

MITIGATION MONITORING AND REPORTING PROGRAM

| Mitig. Number | Conditions of Approval and/or Mitigation Measures and Responsible Land Use Department | Compliance of Monitoring Actions to be performed. Where applicable, a certified professional is required for action-to-be-accepted. | Responsible Party for Compliance | Timing | Verification of Compliance (Name/Date) |
|---------------|--|--|--|----------------------------------|--|
| | FARMLANDS/TIMBERLANDS | | | | |
| 1 | <p>Mitigation Measure AG-1: Agricultural Land Preservation.</p> <p>Prior to the start of construction, the Monterey County Department of Public Works shall ensure that all permanent impacts to farmlands be mitigated in the following ways:</p> <ul style="list-style-type: none"> • The project plans and specifications shall state that the Contractor shall stockpile the top 18 inches of all the agricultural topsoil removed as part of the bridge replacement and road widening, totaling approximately 38,000 cubic yards, and export it to a suitable location identified by the Ag Land Trust to be used to create new farmland; and • Agricultural land currently under a conservation easement and being impacted by the project shall be preserved at a 1:1 ratio with agricultural land of equivalent farming capability. This shall be accomplished by payment of a fee to the Ag Land Trust, which would be used solely for the purpose of acquiring agricultural land and/or agricultural conservation easements to protect equivalent farmland. The protected farmland shall be located in the Greater Salinas Area. Documentation of the fee payment shall be submitted to the | <ul style="list-style-type: none"> • Project plans and specifications shall state that the Contractor shall stockpile the top 18 inches (approximately 38,000 cubic yards) of agricultural topsoil that is removed as part of the bridge replacement and road widening, and export this topsoil to a suitable location identified by the Ag Land Trust. • Impacted agricultural land currently under a conservation easement shall be preserved at a 1:1 ratio with agricultural land of equivalent farming capability located within the Greater Salinas Area. This shall be accomplished by payment of a fee to the Ag Land Trust. | Monterey County Resource Management Agency | Prior to and during construction | |

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| | Resource Management Agency Planning Department. | | | | |
| 2 | <p>Mitigation Measure AG-2: Agricultural Easement Land.</p> <p>Prior to construction, the Monterey County Department of Public Works shall obtain written permission from the Grantees of Agricultural Conservation Easement Document Nos. 2001032384, 2001013353, and 2001032383 to acquire land for the purpose of widening Davis Road. The County of Monterey (Grantor) shall demonstrate to the Grantee that the proposed paving, or covering of the soil, shall not substantially diminish or impair the agricultural productivity of the properties. The abovementioned Agricultural Conservation Easements shall be revised and re-recorded to reflect the new geographic boundaries of the Agricultural Conservation Easement areas after implementation of the proposed project.</p> | <ul style="list-style-type: none"> • The Monterey County Department of Public Works shall obtain written permission from the Grantees of Agricultural Conservation Easement Document Nos. 2001032384, 2001013353, and 2001032383 to acquire land for the purpose of widening Davis Road. • The abovementioned Agricultural Conservation Easements shall be revised and re-recorded to reflect the new geographic boundaries of the Agricultural Conservation Easement areas after implementation of the proposed project. | Monterey County Resource Management Agency | Prior to construction | |
| | UTILITIES/EMERGENCY SERVICES | | | | |
| | <p>Mitigation Measure UES-1: Utility Relocation Plans.</p> <p>During final design, the County of Monterey Public Works Department Project Engineer shall prepare utility relocation plans in consultation with the affected utility providers/owners for those utilities that will need to be</p> | <ul style="list-style-type: none"> • In consultation with the affected utility providers/owners, the County of Monterey Public Works Department Project Engineer shall prepare utility relocation plans. • If relocation is necessary, the final design shall focus on | Monterey County Resource Management Agency / Project Engineer | During final design | |

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| | relocated, removed, or protected in-place. If relocation is necessary, the final design shall focus on relocating utilities within the right of way (ROW) or other existing public ROWs and/or easements. If relocations outside of existing ROWs or additional public ROWs and/or easements required for the project are necessary, the final design shall focus on relocating those facilities to minimize environmental impacts as a result of project construction and ongoing maintenance and repair activities. The utility relocation plans shall be included in the project specifications. | <p>relocating utilities within the right of way (ROW) or other existing public ROWs and/or easements.</p> <ul style="list-style-type: none"> • If relocations outside of existing ROWs or additional public ROWs and/or easements required for the project are necessary, the final design shall focus on relocating those facilities to minimize environmental impacts as a result of project construction and ongoing maintenance and repair activities. • The utility relocation plans shall be included in the project specifications. | | | |
| 3 | <p>Mitigation Measure UES-2: Utility Relocation Plan Implementation.</p> <p>Prior to and during construction, the County of Monterey Public Works Department Project Engineer shall ensure the components of the utility relocation plans provided in the project specifications are properly implemented by the Construction Contractor.</p> | The County of Monterey Public Works Department Project Engineer shall ensure the components of the utility relocation plans provided in the project specifications are properly implemented by the Construction Contractor. | Monterey County Resource Management Agency / Project Engineer | Prior to and during construction | |
| 4 | <p>Mitigation Measure UES-3: Utility Provider Coordination.</p> <p>Prior to utility relocation activities, the Construction Contractor shall coordinate with affected utility providers regarding potential utility relocations and inform affected utility users in advance about the date and timing of potential service</p> | The Construction Contractor shall coordinate with affected utility providers regarding potential utility relocations and inform affected utility users in advance about the date and timing of potential service disruptions. | Construction Contractor | Prior to utility relocation activities | |

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| | disruptions. | | | | |
| | TRAFFIC AND TRANSPORTATION/ PEDESTRIAN AND BICYCLE FACILITIES | | | | |
| 5 | <p>Mitigation Measure T-1: Traffic Control and Safety Assurance Plan.</p> <p>Prior to construction, the County of Monterey (County) shall require the Construction Contractor to prepare a Traffic Control and Safety Assurance Plan in accordance with professional engineering standards and submit the plan to the County for review and approval. Elements of the Plan shall include, but are not limited to, the following:</p> <ul style="list-style-type: none"> • Post advanced warning signs of construction activities to allow motorists to select alternative routes. • Install detour signs on the alternative routes around the closed road segment. • Publish notices of the location and timing of road closures in local newspapers and on available websites to allow motorists to select alternative routes. • Maintain access for emergency vehicles at all times. Provide advance notification to local police, fire, and emergency service providers at least 2 weeks in advance of any road closures or detours due to the timing, location, and duration of construction | <p>The County of Monterey (County) shall require the Construction Contractor to prepare a Traffic Control and Safety Assurance Plan in accordance with professional engineering standards and submit the plan to the County for review and approval. Elements of the Plan shall include, but are not limited to, the following:</p> <ul style="list-style-type: none"> • Post advanced warning signs of construction activities. • Install detour signs on the alternative routes around the closed road segment. • Publish notices of the location and timing of road closures in local newspapers and on available websites. • Maintain access for emergency vehicles at all times. Provide advance notification to local police, fire, and emergency service providers at least 2 weeks in advance of any road closures or detours due to the timing, location, and duration of construction activities that could affect the movement of emergency vehicles on | <p>Monterey County Resource Management Agency / Construction Contractor</p> | <p>Prior to and during construction</p> | |

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| | <p>activities that could affect the movement of emergency vehicles on roadways in the area.</p> <ul style="list-style-type: none"> • Maintain access for private driveways. • Maintain access to the Salinas Industrial Wastewater Treatment Facility. • Maintain access to the access roads located to the northeast and southeast of Davis Road Bridge. | <p>roadways in the area.</p> <ul style="list-style-type: none"> • Maintain access for private driveways. • Maintain access to the Salinas Industrial Wastewater Treatment Facility. • Maintain access to the access roads located to the northeast and southeast of Davis Road Bridge. | | | |
| | CULTURAL RESOURCES | | | | |
| 6 | <p>Mitigation Measure CR-1: Discovery of Cultural Resources.</p> <p>If cultural materials are discovered during ground disturbance and earthmoving the Monterey County Department of Public Works will require the Construction Contractor to divert all such activity within and around the immediate discovery area until a qualified archaeologist can assess the nature and significance of the find.</p> | <p>If cultural materials are discovered, the Monterey County Department of Public Works will require the Construction Contractor to divert all such activity within and around the immediate discovery area until a qualified archaeologist can assess the nature and significance of the find.</p> | <p>Monterey County Resource Management Agency / Construction Contractor</p> | <p>During ground disturbance and earthmoving</p> | |
| 7 | <p>Mitigation Measure CR-2: Discovery of Human Remains.</p> <p>If human remains are discovered during ground disturbance and earthmoving, State Health and Safety Code Section 7050.5 states that further disturbances and activities will cease in any area or nearby area suspected to overlie the remains and the County Coroner will be contacted by the person who discovered the remains. Pursuant to Public</p> | <ul style="list-style-type: none"> • If human remains are discovered during ground disturbance and earthmoving, the County Coroner will be consulted. • If the remains are of Native American origin, the coroner must notify the Native American Heritage Commission. • The landowner or representative will work with the MLD on the respectful treatment and disposition of the remains. | <p>Construction Contractor</p> | <p>During grading and construction activities</p> | |

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| | Resources Code (PRC) Section 5097.98, if the remains are thought to be Native American, the Coroner will notify the Native American Heritage Commission, which will then notify the Most Likely Descendant (MLD). At that time, the landowner or representative will work with the MLD on the respectful treatment and disposition of the remains. Further provisions of PRC 5097.98 are to be followed as applicable should human remains, including those interred outside of formal cemeteries, be encountered. | | | | |
| 8 | <p>Mitigation Measure CR-3: Environmentally Sensitive Area Action Plan.</p> <p>During the development of the Plans, Specifications, and Estimates phase, the Project Manager and/or Project Engineer will prepare an Environmentally Sensitive Area (ESA) Action Plan for the identified archaeological resources CA-MNT-2281H and CA-MNT-2282H. The ESA at site CA-MNT-2281H will be protected by placing a 3-foot-high orange fence around the ESA to prevent construction personnel from entering the site. The ESA at site CA-MNT-2282H will be protected by placing two signs to warn construction personnel to stay out of the boundary of CA-MNT-2282H. The Resident Engineer will notify the</p> | <ul style="list-style-type: none"> • The Project Manager and/or Project Engineer will prepare an ESA Action Plan for the identified archaeological resources. • The ESA site CA-MNT-2281H will be protected by the placement of a 3-foot high orange fence around the ESA and will remain effective for the duration of the project. • The ESA at site CA-MNT-2282H will be protected by the placement of two signs to warn construction personnel to stay out of the boundary and will remain effective for the duration of the project. • The Resident Engineer will notify the Caltrans Archaeologist and Consultant Archaeologist if an | Monterey County Resource Management Agency Project Manager/Project Engineer | During final design/Prior to and during construction | |

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| | <p>Caltrans Archaeologist and Consultant Archaeologist if an ESA breach occurs. The Caltrans Archaeologist will notify the State Historic Preservation Officer (SHPO) within 48 hours of any ESA breach and consult immediately to determine how the breach will be addressed. The ESAs will remain in force throughout the duration of the project. When construction activities are complete, the Resident Engineer and Consultant Archaeologist will coordinate to confirm that protective measures are no longer necessary and that the ESA fencing and signs can be removed.</p> | <p>ESA breach occurs.</p> <ul style="list-style-type: none"> • The Caltrans Archaeologist will notify the SHPO within 48 hours of any ESA breach and consult immediately to determine how to address the breach. • When construction activities are complete, the Resident Engineer and Consultant Archaeologist will coordinate to confirm that protective measures are no longer necessary and that the ESA fencing and signs can be removed | | | |

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| | HYDROLOGY AND FLOODPLAIN | | | | |
| 9 | <p>Mitigation Measure HYD-1: Construction General Permit.</p> <p>The project shall comply with the provisions of the National Pollutant Discharge Elimination System (NPDES) General Permit for Storm Water Discharges Associated with Construction and Land Disturbance Activities (Construction General Permit) Order No. 2009-0009-DWQ, as amended by 2010-2014-DWQ and 2012-0006-DWQ, NPDES No. CAS000002, or any subsequent permit. The project shall comply with the Construction General Permit by preparing and implementing a Storm Water Pollution Prevention Plan (SWPPP) to address all construction-related activities, equipment, and materials that have the potential to impact water quality for the appropriate risk level. The SWPPP shall identify the sources of pollutants that may affect the quality of storm water and shall include Best Management Practices (BMPs) to control the pollutants (e.g., sediment control, temporary soil stabilization, construction materials management, and non-storm water BMPs).</p> | <ul style="list-style-type: none"> • The project shall comply with the provisions of the NPDES General Permit for Storm Water Discharges Associated with Construction and Land Disturbance Activities. • The project shall comply with the Construction General Permit by preparing and implementing a SWPPP to address all construction-related activities, equipment, and materials that have the potential to impact water quality for the appropriate risk level. • The SWPPP shall identify the sources of pollutants that may affect the quality of storm water and shall include Best Management Practices (BMPs) to control the pollutants (e.g., sediment control, temporary soil stabilization, construction materials management, and non-storm water BMPs). | Construction Contractor/ Monterey County Resource Management Agency | Prior to ground disturbing activities | |

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| | WATER QUALITY AND STORM WATER RUNOFF | | | | |
| 10 | <p>Mitigation Measure WQ-1: Phase II Municipal General Permit.</p> <p>The project shall comply with the provisions of the NPDES General Permit, Waste Discharge Requirements (WDRs) for Storm Water Discharges from Small Municipal Separate Storm Sewer Systems (Phase II Municipal General Permit), Order No. 2013-0001-DWQ, No. CAS000004, or any subsequent permit. The Phase II Municipal General Permit shall include implementation of Treatment Control BMPs to the maximum extent practicable (MEP). Treatment Control BMPs include infiltration ditches with and without check dams and a retention pond.</p> | <ul style="list-style-type: none"> • The project shall comply with the provisions of the NPDES General Permit, Waste Discharge Requirements (WDRs) for Storm Water Discharges from Small Municipal Separate Storm Sewer Systems. • The Phase II Municipal General Permit shall include implementation of Treatment Control BMPs to the MEP. Treatment Control BMPs include infiltration ditches with and without check dams and a retention pond. | Construction Contractor/ Monterey County Resource Management Agency | During construction/ Project operations (Once the project is operational, monitoring compliance with the Municipal General Permit will become part of the County's ongoing bridge and roadway maintenance) | |
| 11 | <p>Mitigation Measure WQ-2: Resolution R3-2013-0032.</p> <p>The project shall comply with the provisions of the Post-Construction Storm Water Management Requirements for Development Projects in the Central Coast Region (Resolution No. R3-2013-0032). The project shall comply with the Runoff Retention and Peak Management performance requirements applicable to the project (Tier 4). The project shall prevent off-site discharge from events up to the 95th percentile 24-hour rainfall event as</p> | <ul style="list-style-type: none"> • The project shall comply with the provisions of the Post-Construction Storm Water Management Requirements for Development Projects in the Central Coast Region. • The project shall comply with the Runoff Retention and Peak Management performance requirements applicable to the project (Tier 4). • The project shall prevent off-site discharge from events up to the 95th percentile 24-hour rainfall | Monterey County Resource Management Agency | Project operations (Monitoring compliance with the Post-Construction Storm-Water Management Requirements and Low-Impact Development Standards will become part of the County's | |

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| | <p>determined from local rainfall data. Compliance must be achieved by optimizing infiltration and retaining the remaining volume via storage, rainwater harvesting, and/or evapotranspiration. The project shall follow Low-Impact Development standards to meet runoff retention performance requirements. The project shall meet peak management requirements so that post-development peak flows discharged from the site shall not exceed pre-project peak flows for the 2- through 10-year storm events.</p> | <p>event.</p> <ul style="list-style-type: none"> • The project shall follow Low-Impact Development standards to meet runoff retention performance requirements • The project shall meet peak management requirements so that post-development peak flows discharged from the site shall not exceed pre-project peak flows for the 2- through 10-year storm events. | | ongoing bridge and roadway maintenance) | |
| 12 | <p>Mitigation Measure WQ-3: City of Salinas Phase I General Permit.</p> <p>The project shall comply with the provisions of the WDRs for the City of Salinas Municipal Storm Water Discharges (Order No. R3-2012-0005) (NPDES Permit No. CA0049981). Discharges of runoff from industrial and construction sites are subject to dual (State and local) storm water regulation. Under this dual system, the Central Coast Regional Water Quality Control Board (RWQCB) is responsible for enforcing statewide General Permits. NPDES municipal regulations require the municipal permittee to develop and implement measures to address runoff from industrial and construction activities. Those measures shall require the implementation of additional BMPs</p> | <ul style="list-style-type: none"> • The project shall comply with the provisions of the WDRs for the City of Salinas Municipal Storm Water Discharges. • Discharges of runoff from industrial and construction sites are subject to dual (State and local) storm water regulation. Under this dual system, the Central Coast Regional Water Quality Control Board (RWQCB) is responsible for enforcing statewide General Permits. • NPDES municipal regulations require the municipal permittee to develop and implement measures to address runoff from industrial and construction activities. Those measures shall require the implementation of additional BMPs for activities | Construction Contractor/ Monterey County Resource Management Agency | During construction/ Project operations (Once the project is operational, monitoring compliance with the City of Salinas Phase I General Permit will become part of the County's ongoing bridge and roadway maintenance) | |

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| | for activities subject to both State and local regulation. | subject to both State and local regulation. | | | |
| 13 | <p>Mitigation Measure WQ-4: Erosion Control Plan.</p> <p>The County of Monterey (County) shall ensure the project complies with the County Municipal Code, Chapter 16.12. During the plans, specifications, and estimates (PS&E) phase, an Erosion Control Plan shall be submitted to the County Director of Public Works for approval. The Erosion Control Plan shall indicate the proposed methods for the control of runoff, erosion, and sediment movement during project operations.</p> | <ul style="list-style-type: none"> • The County of Monterey (County) shall ensure the project complies with the County Municipal Code, Chapter 16.12. • An Erosion Control Ordinance, which shall indicate the proposed methods for the control of runoff, erosion, and sediment movement during project operations, shall be submitted to the County Director of Public Works for approval. | Monterey County Resource Management Agency /Project Engineer | During final design/ Project operations (Once the project is operational, monitoring compliance with the Erosion Control Plan, as specified in the County Municipal Code, will become part of the County's ongoing bridge and roadway maintenance) | |
| 14 | <p>Mitigation Measure WQ-5: Caltrans Best Management Practices.</p> <p>The project shall comply with Section 7-1.01G of the California Department of Transportation (Caltrans) Standard Specifications – Water Pollution Control and the Caltrans Construction Manual, Section 6-20 – Erosion Control and Highway Planting, in order to minimize water quality impacts by using Caltrans BMPs. The project shall minimize the mobilization of sediments during in-water work by using silt trapping devices (e.g., curtains) during removal of the old bridge and shall implement Caltrans</p> | <ul style="list-style-type: none"> • The project shall comply with Section 7-1.01G of the California Department of Transportation (Caltrans) Standard Specifications – Water Pollution Control and the Caltrans Construction Manual, Section 6-20 – Erosion Control and Highway Planting. • The project shall minimize the mobilization of sediments during in-water work by using silt trapping devices (e.g., curtains) during removal of the old bridge and shall implement Caltrans BMPs for the control of noxious | Construction Contractor | During construction activities | |

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| | BMPs for the control of noxious weeds, including using weed-free seed and mulching materials. | weeds. | | | |
| | GEOLOGY/SOILS/SEISMIC/ TOPOGRAPHY | | | | |
| 15 | <p>Mitigation Measure GEO-1: Final Geotechnical Report.</p> <p>During final design, a detailed geotechnical investigation will be conducted by qualified geotechnical personnel to assess the geotechnical conditions at the project area. The geotechnical investigation will include seismic cone penetration tests and exploratory borings to investigate site-specific soils and conditions, as well as the collection of subsurface soil samples for laboratory testing. Those soil samples will be tested to evaluate the potential for liquefaction, lateral spreading, and settlement. The project-specific findings and recommendations of the geotechnical investigation will be summarized in a Structure Foundation Report and a Geotechnical Design Report to be submitted to the California Department of Transportation (Caltrans) for review and approval. Those findings and recommendations will be incorporated in the final design of the selected Build Alternative.</p> | <ul style="list-style-type: none"> • A detailed geotechnical investigation will be conducted by qualified geotechnical personnel to assess the geotechnical conditions at the project area. • The geotechnical investigation will include seismic cone penetration tests and exploratory borings to investigate site-specific soils and conditions, as well as the collection of subsurface soil samples for laboratory testing. • Those soil samples will be tested to evaluate the potential for liquefaction, lateral spreading, and settlement. • The project-specific findings and recommendations of the geotechnical investigation will be summarized in a Structure Foundation Report and a Geotechnical Design Report to be submitted to the California Department of Transportation (Caltrans) for review and approval. • Those findings and recommendations will be | Monterey County Resource Management Agency /Qualified Geotechnical Engineer | During final design | |

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| | | incorporated in the final design of the selected Build Alternative. | | | |
| | HAZARDOUS WASTE/MATERIALS | | | | |
| 16 | <p>Mitigation Measure HAZ-1: Asbestos-Containing Materials.</p> <p>Prior to completion of Plans, Specifications, and Estimates (PS&E) and demolition of any structures, the County of Monterey shall ensure that asbestos surveys are conducted on those structures planned for demolition. The asbestos surveys shall be conducted by a licensed consultant and shall include inspection of the existing bridge over the Salinas River and any concrete irrigation or culvert pipes that are planned for removal. The results of these surveys will determine the recommendations for removal, containment, and off-site transportation and disposal, as appropriate.</p> | <ul style="list-style-type: none"> • Asbestos surveys shall be conducted on those structures planned for demolition. • The asbestos surveys shall be conducted by a licensed consultant and shall include inspection of the existing bridge over the Salinas River and any concrete irrigation or culvert pipes that are planned for removal. • The results of these surveys will determine the recommendations for removal, containment, and off-site transportation and disposal, as appropriate. | Monterey County Resource Management Agency | During final design/Prior to demolition of any structures | |
| 17 | <p>Mitigation Measure HAZ-2: Lead-Based Paint.</p> <p>Prior to completion of Plans, Specifications, and Estimates (PS&E) and demolition of any structures, the County of Monterey shall ensure that lead-based paint (LBP) surveys are conducted on those structures planned for demolition. LBP surveys shall be conducted by a licensed consultant and shall include inspection of the existing bridge over the Salinas River. The</p> | <ul style="list-style-type: none"> • LBP surveys shall be conducted by a licensed consultant on those structures planned for demolition and shall include inspection of the existing bridge over the Salinas River. • The results of these surveys will determine the recommendations for removal, containment, and off-site transportation and disposal of LBP, as appropriate. | Monterey County Resource Management Agency | During final design | |

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| | results of these surveys will determine the recommendations for removal, containment, and off-site transportation and disposal, as appropriate. | | | | |
| 18 | <p>Mitigation Measure HAZ-3: Metals in Road Striping.</p> <p>Prior to completion of the Plans, Specifications, and Estimates (PS&E) and during construction, the County of Monterey shall ensure that yellow traffic striping and pavement are sampled and tested in accordance with California Department of Transportation (Caltrans) Standard Special Provisions. The results of these surveys will determine the recommendations for removal, containment, and off-site transportation and disposal, as appropriate.</p> | <ul style="list-style-type: none"> • Yellow traffic striping and pavement shall be sampled and tested for metals in accordance with California Department of Transportation (Caltrans) Standard Special Provisions. • The results of these surveys will determine the recommendations for removal, containment, and off-site transportation and disposal of any contaminated materials, as appropriate. | Monterey County Resource Management Agency | During final design | |

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| 19 | <p>Mitigation Measure HAZ-4: Lead Compliance Plan.</p> <p>The County of Monterey shall include the requirements for a Lead Compliance Plan in any bid and contract document for the project. Prior to grading activities, the construction contractor shall prepare a Lead Compliance Plan in accordance with Caltrans Standard Special Provisions 7-1.02K(6)(j)(iii), the California Code of Regulations, and California Occupational Safety and Health Administration (Cal/OSHA) standards. The Lead Compliance Plan shall address the presence of aerially deposited lead (ADL) in the soils in the project area and the health and safety of construction workers.</p> | <ul style="list-style-type: none"> • The requirements for a Lead Compliance Plan shall be included in any bid and contract document for the project. • Prior to grading activities, the construction contractor shall prepare a Lead Compliance Plan in accordance with Caltrans Standard Special Provisions 7-1.02K(6)(j)(iii), the California Code of Regulations, and California Occupational Safety and Health Administration (Cal/OSHA) standards. • The Lead Compliance Plan shall address the presence of ADL in the soils in the project area and the health and safety of construction workers. | Monterey County Resource Management Agency / Construction Contractor | During bid process for Construction Contractor/Prior to the start of grading activities | |
| 20 | <p>Mitigation Measure HAZ-5: Unknown Hazards.</p> <p>The procedures outlined in the Caltrans Unknown Hazards Procedures for Construction (http://www.dot.ca.gov/ser/vol1/sec3/physical/ch10haz/chap10.htm#unant_contam_decision_tree) shall be followed during construction in the event that an unknown hazardous contamination is revealed or unknown hazardous materials/waste are encountered.</p> | The procedures outlined in the Caltrans Unknown Hazards Procedures for Construction shall be followed during construction in the event that an unknown hazardous contamination is revealed or unknown hazardous materials/waste are encountered. | Construction Contractor | During construction | |
| | AIR QUALITY | | | | |
| 21 | <p>Mitigation Measure AQ-1: Caltrans Standard Specifications for</p> | The Construction Contractor shall comply with Caltrans Standard | Construction Contractor | During construction | |

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| | <p>Construction Section 14-9.</p> <p>During construction, the Construction Contractor shall comply with California Department of Transportation (Caltrans) Standard Specifications for Construction Section 14-9.</p> <ul style="list-style-type: none"> • Section 14-9.02 specifically requires compliance by the Construction 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 14-9.03 is directed at controlling dust. If dust palliative materials other than water are to be used, material specifications are described in Section 18 of the Caltrans Standard Specifications for Construction. | <p>Specifications for Construction Section 14-9.</p> <ul style="list-style-type: none"> • Compliance with all applicable laws and regulations related to air quality (Section 14-9.02). • Compliance with dust control specifications (Section 14-9.03). | | | |

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| 22 | <p>Mitigation Measure AQ-2: Construction Equipment.</p> <p>Prior to the start of construction, the Construction Contractor shall select the construction equipment used on site based on low emission factors and high energy efficiency. Off-road construction equipment operated between Blanco Road and Hitchcock Road shall conform to the California Air Resources Board (ARB) Tier 3 or Tier 4 emission standards. On-road construction equipment operated between Blanco Road and Hitchcock Road shall meet 2010 emission factors. The construction contractor shall ensure that construction grading plans include a statement that all construction equipment shall be tuned and maintained in accordance with the manufacturers' specifications.</p> | <ul style="list-style-type: none"> • Construction equipment used on site shall be selected based on low emission factors and high energy efficiency. • Off-road construction equipment operated between Blanco Road and Hitchcock Road shall conform to the ARB's Tier 3 or Tier 4 emission standards. • On-road construction equipment operated between Blanco Road and Hitchcock Road shall meet 2010 emission factors • The construction grading plans shall include a statement that all construction equipment shall be tuned and maintained in accordance with the manufacturers' specifications. | Construction Contractor | Prior to and during construction | |
| 23 | <p>Mitigation Measure AQ-3: Construction Grading Plans.</p> <p>Prior to the start of construction, the Construction Contractor shall ensure that construction grading plans include a statement that work crews shall shut off equipment when not in use.</p> | Construction grading plans shall include a statement that work crews shall shut off equipment when not in use. | Construction Contractor | Prior to construction | |
| 24 | <p>Mitigation Measure AQ-4: Construction Timing:</p> <p>During construction, the Construction Contractor shall time the construction activities so as not to interfere with peak-hour traffic and to minimize</p> | <ul style="list-style-type: none"> • Construction activities shall be timed so as not to interfere with peak-hour traffic and to minimize obstruction of through traffic lanes adjacent to the site. • if necessary, a flag person shall be retained to maintain safety | Construction Contractor | During construction | |

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| | obstruction of through traffic lanes adjacent to the site; if necessary, a flag person shall be retained to maintain safety adjacent to existing roadways. | adjacent to existing roadways | | | |
| 25 | <p>Mitigation Measure AQ-5: Ridesharing and Transit Incentives:</p> <p>During construction, the Construction Contractor shall support and encourage ridesharing and transit incentives for the construction crew.</p> | Ridesharing and transit incentives for the construction crew shall be supported and encouraged. | Construction Contractor | During construction | |
| 26 | <p>Mitigation Measure AQ-6: Diesel Construction Equipment.</p> <p>During construction, the Construction Contractor shall use California Air Resources Board (ARB) approved on-road diesel fuel in all diesel construction equipment when available. Whenever feasible, in lieu of diesel fuel, the Construction Contractor shall use alternative fuels such as compressed natural gas, propane, electricity, or biodiesel.</p> | <ul style="list-style-type: none"> • ARB approved on-road diesel fuel shall be used in all diesel construction equipment when available. • Whenever feasible, in lieu of diesel fuel, alternative fuels such as compressed natural gas, propane, electricity, or biodiesel shall be used in construction equipment. | Construction Contractor | During construction | |
| 27 | <p>Mitigation Measure AQ-7: MBUAPCD Dust Minimization Measures.</p> <p>During construction and in the event that daily watering is insufficient to keep visible dust from blowing, the construction contractor shall implement the following Monterey Bay Unified Air Pollution Control District (MBUAPCD) California Environmental Quality Act (CEQA) Air Quality Guidelines dust</p> | <p>In the event that daily watering is not sufficient to control dust, the following Monterey Bay Unified Air Pollution Control District (MBUAPCD) California Environmental Quality Act (CEQA) Air Quality Guidelines dust minimization measures shall be implemented:</p> <ul style="list-style-type: none"> • All active construction sites shall be watered at least twice daily. | Construction Contractor | During construction | |

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| | <p>minimization measures:</p> <ul style="list-style-type: none"> • All active construction sites shall be watered at least twice daily. Frequency shall be based on the type of operation, soil, and wind exposure. • All grading activities shall be prohibited during periods of high wind (over 15 miles per hour [mph]). • Chemical soil stabilizers shall be applied on inactive construction areas. Inactive construction areas are defined as disturbed lands within construction projects that are unused for at least four consecutive days. • Nontoxic binders (e.g., latex acrylic copolymer) shall be applied to exposed areas after cut-and-fill operations and to hydroseed areas. • Haul trucks shall maintain at least a 2-foot freeboard. • All trucks hauling dirt, sand, or loose material shall be covered. • In areas adjacent to open land, tree windbreaks shall be planted on the windward perimeter of the construction area. • Vegetative ground cover shall be planted in disturbed areas as soon as possible. • Inactive storage piles shall be covered to prevent wind erosion. • Wheel washers shall be installed at the entrances to construction sites for all exiting trucks. | <ul style="list-style-type: none"> • All grading activities shall be prohibited during periods of high wind. • Chemical soil stabilizers shall be applied on inactive construction areas. • Nontoxic binders shall be applied to exposed areas after cut-and-fill operations and to hydroseed areas. • Haul trucks shall maintain at least a 2-foot freeboard. • All trucks hauling dirt, sand, or loose material shall be covered. • In areas adjacent to open land, tree windbreaks shall be planted on the windward perimeter of the construction area. • Vegetative ground cover shall be planted in disturbed areas as soon as possible. • Inactive storage piles shall be covered to prevent wind erosion. • Wheel washers shall be installed at the entrances to construction sites for all exiting trucks. • All roads at the construction site shall be paved. • Streets shall be swept if visible soil material is carried out from the construction site. • A publicly visible sign with the telephone number and person to contact regarding dust complaints shall be posted at the | | | |

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| | <ul style="list-style-type: none"> • All roads at the construction site shall be paved. • Streets shall be swept if visible soil material is carried out from the construction site. • A publicly visible sign with the telephone number and person to contact regarding dust complaints shall be posted at the construction site. This person shall respond and take corrective action within 48 hours of a complaint. The phone number of the MBUAPCD shall also be visible to ensure compliance with Rule 402 (nuisance). • The area under construction shall be limited (i.e., grading shall be limited to 6 acres per day). | <ul style="list-style-type: none"> • construction site. This person shall respond and take corrective action within 48 hours of a complaint. The phone number of the MBUAPCD shall also be visible to ensure compliance with Rule 402 (nuisance). • The area under construction shall be limited. | | | |
| | NOISE (NEPA) | | | | |
| 28 | <p>Mitigation Measure N-1: Caltrans Standard Specifications.</p> <p>During construction, the California Department of Transportation (Caltrans) will require the Construction Contractor to control noise from construction activities in conformance with Caltrans Standard Specification 14-8.02, "Noise Control." In addition, the Construction Contractor shall equip all internal combustion engines with the manufacturer-recommended mufflers and shall not operate any internal combustion engine on the job site without the appropriate muffler.</p> | <ul style="list-style-type: none"> • Noise from construction activities shall be controlled in conformance with Caltrans Standard Specification 14-8.02, "Noise Control." • All internal combustion engines shall be equipped with the manufacturer-recommended mufflers. • No internal combustion engine shall be operated on the job site without the appropriate muffler. | Construction Contractor | During construction | |

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| 29 | <p>Mitigation Measure N-2: Monterey County Noise Levels.</p> <p>Caltrans and/or the County of Monterey will require the Construction Contractors to comply with the allowable noise levels at specified distances from construction activities in accordance with Section 10.60.030 of the Monterey County Code. Section 10.60.030 of the Monterey County Code prohibits the operation of any machine, mechanism, device, or contrivance that produces a noise level exceeding 85 A-weighted decibels (dBA) measured 50 feet (ft) therefrom. If noise from construction equipment exceeds 85 dBA, then attenuation measures must be utilized, including temporary construction barriers and/or quieter equipment. The prohibition in this section shall not apply to aircraft nor to any such machine, mechanism, device, or contrivance that is operated in excess of 2,500 ft from any occupied dwelling unit.</p> | <ul style="list-style-type: none"> • Allowable noise levels at specified distances from construction activities shall be in accordance with Section 10.60.030 of the Monterey County Code. • If noise from construction equipment exceeds 85 dBA, then attenuation measures must be utilized, including temporary construction barriers and/or quieter equipment. • The prohibition in this section shall not apply to aircraft nor to any such machine, mechanism, device, or contrivance that is operated in excess of 2,500 ft from any occupied dwelling unit. | Construction Contractor | During construction | |
| | NOISE (CEQA) | | | | |
| 30 | <p>Mitigation Measure NOI-1: Receiver R-22 Noise Barrier.</p> <p>The County of Monterey Public Works Department shall implement mitigation in the form of a noise barrier at Receptor location R-22 with a minimum height of 12 feet.</p> | A noise barrier at least 12 feet high shall be constructed at Receptor location R-22. | Monterey County Resource Management Agency | Prior to completion of construction | |

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| 31 | <p>Mitigation Measure NOI-2: Interior Noise.</p> <p>Prior to completion of construction, the County of Monterey Public Works Department shall install a new mechanical ventilation system, or if necessary improve an existing mechanical ventilation system at Receptor R-21 to ensure future 2040 interior noise levels would meet the State's interior standard of 45 dBA CNEL or below.</p> | <p>A new mechanical ventilation system shall be installed or if necessary, the existing mechanical ventilation system improved, at Receptor R-21 to ensure future 2040 interior noise levels would meet the State's interior standard of 45 dBA CNEL or below.</p> | <p>Monterey County Resource Management Agency</p> | <p>Prior to completion of construction</p> | |
| | NATURAL COMMUNITIES | | | | |
| 32 | <p>Mitigation Measure NC-1: ESA Fencing.</p> <p>To avoid and minimize impacts to natural communities, Environmentally Sensitive Area (ESA) fencing shall be placed along the edge of the habitat adjacent to the construction area to keep construction equipment and personnel out of the areas occupied by vegetation. A qualified biologist shall aid in the placement of the ESA fencing and shall be on hand to monitor tree removal. No compensatory mitigation is proposed.</p> | <ul style="list-style-type: none"> • ESA fencing shall be placed along the edge of the habitat adjacent to the construction area. • A qualified biologist shall aid in the placement of the ESA fencing and shall be on hand to monitor tree removal. | <p>Construction Contractor/ Qualified Biologist</p> | <p>Prior to construction</p> | |
| 33 | <p>Mitigation Measure NC-2: Tree Regeneration.</p> <p>Natural regeneration shall be augmented by planting cuttings from nursery-grown trees of local provenance. Native riparian trees (e.g.,</p> | <ul style="list-style-type: none"> • Natural regeneration shall be augmented by planting cuttings from nursery-grown trees of local provenance. • Native riparian trees (e.g., black cottonwoods, red willows, and | <p>Construction Contractor/ Qualified Biologist</p> | <p>During construction and post construction for the time period specified in the approved</p> | |

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| | <p>black cottonwoods, red willows, and box elders) shall be planted at a 3:1 ratio (i.e., three trees planted for each tree removed) in the high-flow channel outside the edges of the new bridge deck where they would be exposed to light levels suitable for growth. Planted trees would be protected from beavers by fencing, and a revegetation plan would be developed to monitor survival to Monterey County and/or California Department of Fish and Wildlife (CDFW) specifications. At a minimum, the impacted riparian trees will be replaced with native trees of local stock at a 3:1 ratio, with an 80 percent survival after 5 years. Shrubs will also be replanted at a 3:1 ratio with the replacement shrubs being species native to the region and of local stock. Shrub survival will be 80 percent after 5 years. Bare areas will be seeded with a seed mix of native and nonnative species suitable for the Salinas River and the location on the bed or bank to be seeded. Seeding methods may include hydroseeding, broadcast seeding, or other standard methods appropriate for the area to be seeded. Herbaceous cover (native and nonnative) will be 70 percent cover at the end of 5 years or, for areas that receive high flows, the cover will be similar to reference areas established along the Salinas River outside the work area. Monitoring of the revegetated</p> | <p>box elders) shall be planted at a 3:1 ratio in the high-flow channel outside the edges of the new bridge deck where they would be exposed to light levels suitable for growth.</p> <ul style="list-style-type: none"> • Planted trees shall be protected with fencing. • A revegetation plan shall be developed to monitor survival to Monterey County and/or California Department of Fish and Wildlife (CDFW) specifications. | | <p>revegetation plan</p> | |

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| | areas will be conducted annually with a report due to the County and/or CDFW by December 31 of each monitoring year. | | | | |
| | WETLANDS AND OTHER WATERS | | | | |
| 34 | <p>Mitigation Measure WET-1: Native River Soil Material.</p> <p>If feasible, the Construction Contractor shall ensure that after the completion of pile driving activities, the native river soil material that has been cleaned out of the piles driven to depth shall be reused on site. If the soil composition is not suitable for reuse, the native river soil materials shall be removed from the biological study area (BSA) and deposited at an off-site permitted facility.</p> | <ul style="list-style-type: none"> • If feasible, after the completion of pile driving activities, the native river soil material that has been cleaned out of the piles driven to depth shall be reused on site. • If the soil composition is not suitable for reuse, the native river soil materials shall be removed from the BSA and deposited at an off-site permitted facility. | Construction Contractor | During construction/ After completion of pile driving activities. | |
| 35 | <p>Mitigation Measure WET-2: Completion of Construction.</p> <p>Following the completion of construction, the Construction Contractor shall ensure that the Salinas River Channel is returned to its original contour and condition to the greatest extent possible. All constructed ramps into the Salinas River Channel for the temporary construction access road, construction mats, and other temporary material used for construction shall be removed.</p> | <ul style="list-style-type: none"> • To the greatest extent possible, the Salinas River Channel shall be returned to its original contour and condition following the completion of construction. • All constructed ramps into the Salinas River Channel for the temporary construction access road, construction mats, and other temporary material used for construction shall be removed. | Construction Contractor | After completion of construction. | |
| 36 | <p>Mitigation Measure WET-3: Construction Equipment.</p> <p>The Construction Contractor shall</p> | Refueling, maintenance, and storage of construction equipment and materials shall take place | Construction Contractor | During construction. | |

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| | ensure that refueling, maintenance, and storage of construction equipment and materials shall take place outside of the Salinas River Channel during all construction activities. | outside of the Salinas River Channel during all construction activities. | | | |
| | PLANT SPECIES | | | | |
| 37 | <p>Mitigation Measure PS-1: Coast Live Oak.</p> <p>The County of Monterey (County) shall retain the services of a qualified arborist who shall assist the construction crew in placing Environmentally Sensitive Area (ESA) fencing around the tree in order to protect it during construction activities.</p> | A qualified arborist shall assist the construction crew in placing Environmentally Sensitive Area (ESA) fencing around the Coast Live Oak tree for protection during construction activities. | Construction Contractor/ Qualified Arborist | Prior to construction | |
| 38 | <p>Mitigation Measure PS-2: Riparian Trees.</p> <p>To avoid and minimize impacts to riparian trees during construction, the County shall retain the services of a qualified arborist who shall assist construction crews in the placement of Environmentally Sensitive Area (ESA) fencing at or beyond the drip line of trees or groups of trees adjacent to the work area to delineate a tree protection zone. No construction equipment or storage of construction materials shall be allowed to enter the tree protection zone.</p> | <ul style="list-style-type: none"> • A qualified arborist shall assist construction crews in the placement of ESA fencing at or beyond the drip line of trees or groups of trees adjacent to the work area to delineate a tree protection zone. • No construction equipment or storage of construction materials shall be allowed to enter the tree protection zone. | Construction Contractor/ Qualified Arborist | Prior to and during construction | |

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| | ANIMAL SPECIES | | | | |
| 39 | <p>Mitigation Measure AS-1: Environmental Training Session.</p> <p>Before construction begins, a qualified biologist shall conduct an environmental training session for all construction and maintenance personnel. At a minimum, the training shall include a description of the special-status species that may occur in the biological study area (BSA), their habitat requirements, and the measures being implemented to avoid and minimize impacts to these species. The environmental training shall include a discussion of the boundaries behind which the workers and equipment must remain.</p> | <p>A qualified biologist shall conduct an environmental training session for all construction and maintenance personnel, which shall include, at a minimum:</p> <ul style="list-style-type: none"> • A description of the special-status species that may occur in the biological study area (BSA), their habitat requirements, and the measures being implemented to avoid and minimize impacts to these species. • A discussion of the boundaries behind which the workers and equipment must remain. | Qualified Biologist | Prior to construction. | |
| 40 | <p>Mitigation Measure AS-2: Biological Monitor.</p> <p>A qualified biologist shall be present at the work site until all ground-disturbing activities and instruction of workers have been completed, after which the Construction Contractor shall designate a monitor who shall ensure on-site compliance with all avoidance and minimization efforts when the qualified biologist is not on site. The qualified biologist shall ensure the monitor is familiar with the avoidance and minimization efforts and able to identify all the special-status species of potential occurrence in the biological study area</p> | <ul style="list-style-type: none"> • A qualified biologist shall be present at the work site until all ground-disturbing activities and instruction of workers have been completed. • After all ground-disturbing activities and instruction of workers are complete, a monitor shall be designated who shall ensure on-site compliance with all avoidance and minimization efforts when the qualified biologist is not on site. • The qualified biologist shall ensure the monitor is familiar with the avoidance and minimization efforts and able to | Qualified Biologist/Project Monitor/Construction Contractor | During construction | |

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| | <p>(BSA). The monitor and the qualified biologist shall have the authority to halt any action that might result in impacts that exceed the levels anticipated by the United States Fish and Wildlife Service (USFWS) and the California Department of Fish and Wildlife (CDFW) at any point during construction. If work is stopped, either the qualified biologist or the on-site monitor shall immediately notify the California Department of Transportation (Caltrans) and the County of Monterey. If a federally listed species is found in the work area during construction and a Biological Opinion has not been issued for the project, then the qualified biologist must stop work and immediately notify Caltrans. Caltrans shall then consult with the USFWS or National Oceanic and Atmospheric Administration's National Marine Fisheries Service (NOAA Fisheries Service) and shall then advise the Construction Contractor on how to proceed. Likewise, should a State-listed species be found in the work area for which no incidental take permit has been issued, the County's Project Manager shall then consult with CDFW and shall advise the Construction Contractor on how to proceed.</p> | <p>identify all the special-status species of potential occurrence in the BSA.</p> <ul style="list-style-type: none"> • The monitor and the qualified biologist shall have the authority to halt any action that might result in impacts that exceed the levels anticipated by the USFWS and the CDFW at any point during construction. • If work is stopped, either the qualified biologist or the on-site monitor shall immediately notify Caltrans and the County of Monterey. • If a federally listed species is found in the work area during construction and a Biological Opinion has not been issued for the project, then the qualified biologist must stop work and immediately notify Caltrans. Caltrans shall then consult with the USFWS or NOAA Fisheries Service and shall then advise the Construction Contractor on how to proceed. • Should a State-listed species be found in the work area for which no incidental take permit has been issued, the County's Project Manager shall then consult with CDFW and shall advise the Construction Contractor on how to proceed. | | | |

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| 41 | <p>Mitigation Measure AS-3: ESA Fencing.</p> <p>Prior to the start of construction in the Salinas River Channel and along the southern edge of Reservation Road, the qualified biologist shall identify locations for the placement of Environmentally Sensitive Area (ESA) fencing as well as an exclusion fence around the work area. The exclusion fence shall be placed along the outer edge of the ESA fencing to prevent terrestrial animals from entering the work area. The exclusion fence shall be staked and buried at least 6 inches into the soil. The approved biologist shall verify the correct placement and installation of the ESA and exclusion fences before work begins in the area.</p> | <ul style="list-style-type: none"> • The qualified biologist shall identify locations for the placement of Environmentally Sensitive Area (ESA) fencing as well as an exclusion fence around the work area. The exclusion fence shall be staked and buried at least 6 inches into the soil. • The approved biologist shall verify the correct placement and installation of the ESA and exclusion fences before work begins in the area. | Qualified Biologist | Prior to construction | |
| 42 | <p>Mitigation Measure AS-4: Special-Status Species Survey.</p> <p>Immediately before initial ground disturbance and/or vegetation clearing in the Salinas River Channel, the qualified biologist shall conduct a survey of the work area for special-status species. If special-status species are found, they shall be allowed to leave the work area on their own or, if approved by the United States Fish and Wildlife Service (USFWS) and/or the California Department of Fish and Wildlife (CDFW), the special-status species shall be relocated by the biologist to a</p> | <ul style="list-style-type: none"> • The qualified biologist shall conduct a survey of the work area for special-status species. • If special-status species are found, they shall be allowed to leave the work area on their own or, if approved by the USFWS and/or CDFW, the special-status species shall be relocated by the qualified biologist to a safe place outside the work area. | Qualified Biologist | Immediately before initial ground disturbance and/or vegetation clearing in the Salinas River Channel. | |

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| | safe place outside the work area. | | | | |
| 43 | <p>Mitigation Measure AS-5: River Monitoring.</p> <p>During vegetation removal, initial grading, and other ground-disturbing activities in the Salinas River Channel, a qualified biologist shall monitor such activities for reptiles and other small wildlife exposed by such activities and then relocate them in a safe place outside the exclusion fence.</p> | A qualified biologist shall monitor vegetation removal, initial grading, and other ground-disturbing activities for reptiles and other small wildlife exposed by such activities and then relocate them to a safe place outside the exclusion fence. | Qualified Biologist | During vegetation removal, initial grading and other ground-disturbing activities in the Salinas River Channel | |
| 44 | <p>Mitigation Measure AS-6: Routes and Boundaries.</p> <p>Prior to the start of construction, the County of Monterey shall ensure that the number of access routes, the numbers and sizes of staging areas, and the total area of construction activity shall be limited to the minimum necessary to achieve the project goal. Routes and boundaries shall be clearly demarcated both on plans and in the field prior to the start of construction activities.</p> | <ul style="list-style-type: none"> • The number of access routes, the numbers and sizes of staging areas, and the total area of construction activity shall be limited to the minimum necessary to achieve the project goal. • Routes and boundaries shall be clearly demarcated both on plans and in the field prior to the start of construction activities. | Monterey County Resource Management Agency / Construction Contractor | Prior to construction. | |
| 45 | <p>Mitigation Measure AS-7: Vegetation Removal and Trimming.</p> <p>The County of Monterey shall ensure that vegetation removal and trimming for the access road and construction areas in the Salinas River Channel would be conducted during the nonbreeding season for birds (i.e., between September 1 and February 14). This</p> | Vegetation removal and trimming for the access road and construction areas in the Salinas River Channel shall be conducted during the nonbreeding season for birds (i.e., between September 1 and February 14). If vegetation cannot be removed during the nonbreeding season, then preconstruction surveys shall be | Monterey County Department of Public Works/ Construction Contractor | Prior to construction/During the nonbreeding season for birds (September 1 and February 14) | |

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| | shall discourage birds from nesting in construction areas and shall greatly reduce the potential for nesting birds to delay the construction schedule. If vegetation cannot be removed during the nonbreeding season, then preconstruction surveys shall be conducted to avoid impacts to nesting birds. | conducted to avoid impacts to nesting birds. | | | |
| 46 | <p>Mitigation Measure AS-8: Nesting Birds:</p> <p>If project construction takes place during the bird nesting season (February 15 to August 31), all suitable nesting habitat within 50 feet of the work limits shall be surveyed by a qualified biologist no more than 14 days prior to ground-disturbing/vegetation removal activities and again within 2 days (48 hours) of such activities. Areas outside the public right of way (ROW) shall not be surveyed for active nests unless such areas are visible from the public ROW. If an active nest is found, a qualified biologist shall delineate an appropriate buffer using plastic construction fencing (Environmentally Sensitive Area fencing), pin flags, or other easily identified fencing material. If necessary, the biologist shall consult with the United States Fish and Wildlife Service (USFWS)/California Department of Fish and Wildlife (CDFW) to determine an appropriate buffer size. Typically,</p> | <ul style="list-style-type: none"> • If project construction takes place during the bird nesting season (February 15 to August 31), all suitable nesting habitat within 50 feet of the work limits shall be surveyed by a qualified biologist no more than 14 days prior to ground-disturbing/vegetation removal activities and again within 2 days (48 hours) of such activities. • Areas outside the public right of way (ROW) shall not be surveyed for active nests unless such areas are visible from the public ROW. • If an active nest is found, a qualified biologist shall delineate an appropriate buffer using plastic construction fencing (ESA fencing), pin flags, or other easily identified fencing material. • If necessary, the biologist shall consult with the USFWS/CDFW to determine an appropriate buffer size. | Monterey County Resource Management Agency / Construction Contractor | No more than 14 days prior to ground-disturbing/vegetation removal activities and again within 2 days (48 hours) of such activities. | |

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| | <p>buffers range from 25 to 200 feet, depending on the species and the location of the nest. During construction, the qualified biologist shall conduct regular monitoring (at CDFW-approved intervals) to evaluate the nest for potential disturbances associated with construction activities. Construction within the buffer shall be prohibited until the qualified biologist determines the nest is no longer active. If an active nest is found after completion of the preconstruction surveys and after construction begins, all construction activities in the nest vicinity shall stop until a qualified biologist has evaluated the nest and erected an appropriate buffer around the nest. If establishment of the buffer is not feasible, the USFWS/CDFW shall be contacted for further avoidance and minimization guidelines.</p> | <ul style="list-style-type: none"> • The qualified biologist shall conduct regular monitoring (at CDFW-approved intervals) to evaluate the nest for potential disturbances associated with construction activities. • Construction within the buffer shall be prohibited until the qualified biologist determines the nest is no longer active. • If an active nest is found after completion of the preconstruction surveys and after construction begins, all construction activities in the nest vicinity shall stop until a qualified biologist has evaluated the nest and erected an appropriate buffer around the nest. • If establishment of the buffer is not feasible, the USFWS/CDFW shall be contacted for further avoidance and minimization guidelines | | | |
| 47 | <p>Mitigation Measure AS-9: Western Pond Turtle.</p> <p>During the Salinas River Channel diversion activities, the approved biologist shall monitor the construction activity to ensure no direct impacts occur to turtles. Any turtles observed in the work area shall be captured by hand or with a dip net by the biologist and removed to a safe area downstream of</p> | <ul style="list-style-type: none"> • The approved biologist shall monitor the construction activity to ensure no direct impacts occur to turtles during Salinas River Channel diversion activities. • Any turtles observed in the work area shall be captured by hand or with a dip net by the biologist and removed to a safe area downstream of the work area. | Qualified Biologist | During Salinas River Channel diversion activities. | |

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| | the work area. | | | | |
| 48 | <p>Mitigation Measure AS-10: Western Red Bat.</p> <p>During tree removal, the construction crew shall leave all limbs cut from trees such as red willow, black cottonwood, and/or eucalyptus in place overnight to allow time for bats to leave the trees during the night. A qualified biologist shall be on hand during tree removal to ensure that cut trees are left in place until the following morning.</p> | <ul style="list-style-type: none"> • The construction crew shall leave all limbs cut from trees to allow time for bats to leave the tree limbs during the night. • A qualified biologist shall be on hand during tree removal to ensure that cut trees are left in place until the following morning. | Construction Contractor/ Qualified Biologist | During tree removal. | |
| 49 | <p>Mitigation Measure AS-11: Monterey Big-Eared Woodrat.</p> <p>Before vegetation in the black cottonwood forest and red willow thicket is removed in the area upstream of Davis Road, the area shall be surveyed for woodrat nests by a qualified biologist. If any woodrat nests are located within the work area, they shall be disassembled by hand or with hand tools to allow any woodrats in the nest to move out of the work area. The nest material shall then be moved out of the work area.</p> | <ul style="list-style-type: none"> • The area upstream of Davis Road shall be surveyed for woodrat nests by a qualified biologist prior to vegetation removal. • If any woodrat nests are located within the work area, they shall be disassembled by hand or with hand tools to allow any woodrats in nest to move out of the work area. The nest material shall then be moved out of the work area. | Qualified Biologist | Before vegetation is removed in the area upstream of Davis Road. | |
| | THREATENED AND ENDANGERED SPECIES | | | | |
| 50 | <p>Mitigation Measure TE-1: River Channelization.</p> <p>The County of Monterey (County) shall ensure that work within the river (i.e., in</p> | <ul style="list-style-type: none"> • Work within the Salinas River (i.e., in and adjacent to water) shall be restricted to the period between July 1 and October 15. • A qualified biologist shall ensure | Monterey County Resource Management Agency | During construction within the Salinas River | |

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| | and adjacent to water) shall be restricted to the period between July 1 and October 15 to minimize potential impacts to steelhead. During construction, the river would not be dewatered. The river shall be channelized during construction, but the County shall retain a qualified biologist who shall ensure that the channelization shall not restrict flow and shall allow for unrestricted passage of adult and juvenile steelhead through the biological study area (BSA). | that the channelization of the Salinas River shall not restrict flow and shall allow for unrestricted passage of adult and juvenile steelhead during construction activities. | Qualified Biologist | | |
| 51 | <p>Mitigation Measure TE-2: Pile Driving.</p> <p>Pile driving in the water will not be required during construction of the Davis Road Bridge. The County shall ensure that pile driving shall be conducted on dry land during periods of low water flow (July 1 to October 15), when steelhead are least likely to be present in the BSA. Because pile driving shall occur only on dry land and during the period when steelhead would least likely be present in the BSA, pile driving is not expected to affect steelhead.</p> | Pile driving shall be conducted on dry land during periods of low water flow (July 1 to October 15). | Construction Contractor | During bridge construction/Pile driving | |
| 52 | <p>Mitigation Measure TE-3: Biological Assessment Requirements.</p> <p>The County shall retain a qualified biologist to ensure that the following measures, specified in the Biological Assessment, are adhered to during project construction:</p> | <ul style="list-style-type: none"> • Construction equipment required for the project shall operate from areas outside the streambed (area of flowing water). • Work below the tops of the riverbank shall be allowed only during the dry season. • No fill material shall be allowed | Qualified Biologist/ Construction Contractor | During project construction/Prior to project construction/ After project construction (report providing the results of the | |

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| | <ul style="list-style-type: none"> • Construction equipment required for the project shall operate from areas outside the streambed (area of flowing water). Work below the tops of the riverbank, including bank repair, shall be allowed only during the period from July 1 to October 15 during low-flow conditions (dry season). • No fill material, including asphalt or concrete, shall be allowed to enter the stream. Any concrete structures (such as headwall construction) below the tops of banks shall be poured in tightly sealed forms and shall not be allowed contact with surface waters until the cement has fully cured. Poured concrete shall be excluded from the wetted channel for a period of 30 days after it is poured. During that time, the poured concrete shall be kept moist, and runoff from the concrete shall not be allowed to enter the river. Commercial sealants may be applied to the poured concrete surface in locations where the exclusion of water flow for a long period is difficult. If a sealant is used, water shall be excluded from the site until the sealant is dry and has fully cured according to the manufacturers' specifications. • Water that contacts wet concrete and has a pH greater than 9.0 shall be pumped out and disposed of outside | <ul style="list-style-type: none"> to enter the stream. • Water that contacts wet concrete and has a pH greater than 9.0 shall be pumped out and disposed of outside the creek channel. • No substances toxic to aquatic life shall be discharged into the Salinas River. • ESA fencing shall be placed along the upstream and downstream limits of the work area. • Specific procedures for diversion of the Salinas River shall be followed. • A bridge for the temporary access road shall be placed over water diversion pipes and/or the open river channel and constructed with specific procedures to help keep dirt and other debris from entering the riverbed. • If hydroseed mixes are used to stabilize disturbed areas, such mixes shall not contain fertilizers. • Equipment maintenance, servicing and fueling areas shall be located outside of the high-flow river channel. • Fueling of vehicles shall take place with a containment area that shall prevent any spilled or | | removal/relocation effort for submittal to NOAA Fisheries Service and CDFW) | |

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| | <p>the creek channel.</p> <ul style="list-style-type: none"> • No substances toxic to aquatic life shall be discharged into the Salinas River (e.g., diesel fuel, oil, hydraulic fluid, and run-off from curing concrete). • Environmentally Sensitive Area fencing shall be placed along the upstream and downstream limits of the work area to prevent construction equipment and/or construction personnel from inadvertently impacting areas of the streambed outside the designated work area. The Salinas River will not be dewatered during the project, and natural flows will be allowed to pass through the work area during the entire construction period. If river flows are moderate to low, this will be accomplished by placing large-diameter (36-inch diameter or greater, depending on flows) black corrugated high-density polyurethane pipes in the river channel and directing flow through the pipes. Clean river rock shall be used to direct the flow into the pipes; this rock shall be removed upon completion of the project. When the river rock is put in place, a silt curtain shall be installed downstream of the pipes to catch any sediment that is generated. The pipes shall remain in place (they will not be moved) through the duration of the | <ul style="list-style-type: none"> leaked fuel from running into the river. • All motorized equipment used during construction demolition activities shall be checked for oil, fuel, and coolant leaks prior to initiating work in the high-flow river channel. Any equipment found to be leaking fluids shall not be used in or around aquatic habitat features. • An emergency response and cleanup plan for construction shall be prepared. • During river diversion activities, the approved biologist shall be on site to salvage and move any native fish species (except steelhead) trapped in areas of the river isolated from the diverted channel. Non-native aquatic species shall be removed and humanely dispatched. • If steelhead are found in areas to be diverted or dewatered, work shall be suspended and NMFS shall be contacted for guidance. • After project completion, the approved biologist shall prepare a report providing the results of the removal/ relocation effort to NMFS and CDFW. | | | |

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| | <p>bridge construction. If flows are too high to be accommodated by pipes, the work area (i.e., the pile driving site at the edge of the channel) shall be isolated from the main channel with a dewatered cofferdam. During dewatering of cofferdams, appropriately sized screens (e.g., 0.02-inch mesh) shall be placed over the intakes of any pumps used in order to prevent small fish or amphibians from being entrained into the pumps. These methods will allow unobstructed river flows and fish passage through the work area throughout the project duration. To maintain steelhead passage, the number of diversion pipes in use at any time will be adjusted to the minimum necessary to provide a water flow depth of 6 inches as long as adequate water flow is available.</p> <ul style="list-style-type: none"> • A bridge for the temporary construction access road shall be placed over the pipes or, if pipes are not used, over the open river channel. This bridge will not be supported by the pipes and shall be constructed with wood timbers (e.g., 8x8-inch) placed on plywood covered in plastic sheeting and supported by steel I-beams. The plastic sheeting will prevent dust, soil, or other debris from entering the riverbed through the cracks or joints between the bridge | | | | |

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| | <p>timbers and plywood. Wooded curbs shall also be placed along the edges of the temporary bridge to help keep dirt and other debris from entering the riverbed.</p> <ul style="list-style-type: none"> • If hydroseed mixes are used to stabilize disturbed areas, such mixes shall not contain fertilizers. • Equipment maintenance and fueling areas shall be located outside the high-flow river channel. Fueling of vehicles shall take place within a containment area that shall prevent any spilled or leaked fuel from running into the river. All equipment servicing must occur within designated staging areas outside the high-flow river channel. All motorized equipment used during construction or demolition activities shall be checked for oil, fuel, and coolant leaks prior to initiating work in the high-flow river channel. Any equipment found to be leaking fluids shall not be used in or around aquatic habitat features in order to minimize the chances of contaminating the habitat and potentially affecting sensitive species, particularly steelhead. • The project's contractor shall prepare an emergency response and cleanup plan prior to beginning work at the site. The plan shall detail the methods to be used to contain and clean up spills of petroleum products or other | | | | |

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| | <p>hazardous materials in the work area.</p> <ul style="list-style-type: none"> During river diversion activities, the approved biologist shall be on site to salvage and move any native fish species (except steelhead) trapped in areas of the river isolated from the diverted channel; if steelhead are found in areas to be diverted or dewatered, work shall be suspended and the National Oceanic and Atmospheric Administration's National Marine Fisheries Service (NOAA Fisheries Service) shall be contacted for guidance. Native fish, except steelhead, shall be captured with dip nets or seines and released immediately into the main river outside the BSA. Nonnative aquatic species such as American bullfrogs found during dewatering shall be removed and humanely dispatched. After completion of the project, the approved biologist shall prepare a report providing the results of the removal/relocation effort for submittal to the NOAA Fisheries Service and California Department of Fish and Wildlife (CDFW). The report shall also include information on any nonnative species that were removed from the work area. | | | | |
| 53 | <p>Mitigation Measure TE-4: Programmatic Biological Opinion.</p> <p>The United States Fish and Wildlife</p> | <ul style="list-style-type: none"> Caltrans shall request that the project be appended to the PBO. The project will implement all of the avoidance and minimization | Monterey County Resource Management | Prior to final design | |

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| | Service (USFWS) has included the project in the <i>Programmatic Biological Opinion for Projects Funded or Approved under the Federal Highway Administration's Federal Aid Program (8-8-10-F-58)</i> (PBO). The project will implement all of the avoidance and minimization measures described in the PBO (Appendix G). | measures described in the PBO. | Agency | | |
| 54 | <p>Measure TE-5: California Tiger Salamander.</p> <p>The following measures would be followed for all work occurring from November 1 (or the date of the first substantial fall rain event) to June 1 in the southern portion of the BSA, which includes Project Segment 5: South Bridge Approach to Reservation Road, and Segment 6: Reservation Road:</p> <ul style="list-style-type: none"> • A USFWS-approved biologist with the authority to stop work will be present during initial ground disturbing activities and will survey work areas for California tiger salamanders. Caltrans will submit the names of biologists for approval at least 30 days before the start of construction. • If any California tiger salamanders are observed, activities which may harm salamanders will stop and the animal will be allowed to leave the area on its own. The USFWS and Caltrans will be contacted immediately for instructions on how to | <ul style="list-style-type: none"> • A USFWS-approved biologist will survey work areas for California tiger salamanders. Caltrans will submit the names of biologists for approval at least 30 days before the start of construction. • If California tiger salamander are observed, work will be stopped and the animal will be allowed to leave the area. The USFWS and Caltrans will be contacted for instructions on how to proceed. • A USFWS-biologist will conduct environmental awareness training for all personnel before construction begins. • All open trenches and other excavations will be covered each night or provided with escape ramps. A USFWS-approved biologist will inspect open trenches and other excavations prior to work. • Soil stockpile areas will be covered at night and inspected | USFWS-approved Biologist/ Construction Contractor/ Caltrans | During project construction occurring from November 1 (or the date of the first substantial fall rain event) to June 1 in the southern portion of the BSA, which includes Project Segment 5: South Bridge Approach to Reservation Road, and Segment 6: Reservation Road. | |

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| | <p>proceed.</p> <ul style="list-style-type: none"> • A USFWS-approved biologist will conduct environmental awareness training for all personnel before construction begins. Training will include how to recognize California tiger salamanders and their habitat, and describe the conservation measures being implemented. • All open trenches and other excavations will be covered each night or provided with escape ramps to prevent entrapment of California tiger salamanders. A USFWS-approved biologist will inspect open trenches and other excavations for salamanders prior to work in or around these features and before they are backfilled. • Soil stockpile areas will be covered at night to discourage habitation by animals, and inspected in the morning for California tiger salamanders prior to disturbance. • Night work will be avoided to the extent feasible. If night work is unavoidable, a USFWS-approved biologist will survey the work area before activities begin and remain on site to confirm absence of California tiger salamanders. • No work will be performed if a rain event of 0.25 inches or greater in a 24-hour period occurs. Construction | <p>in the morning prior to disturbance.</p> <ul style="list-style-type: none"> • Night work will be avoided to the extent feasible. If night work is unavoidable, a USFWS-approved biologist will survey the work area before activities begin and remain on site. • No work will be performed if a rain event of 0.25 inches or greater in a 24-hour period occurs. Construction may resume after precipitation ceases and a drying-out period of 24 hours is observed. A USFWS-approved biologist will inspect all work areas prior to resuming work. | | | |

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| | may resume after precipitation ceases, a drying-out period of 48 hours is observed, and a USFWS-approved biologist inspects all work areas to verify absence of California tiger salamanders. | | | | |
| | INVASIVE SPECIES | | | | |
| 55 | <p>Mitigation Measure IS-1: Weed Abatement Program.</p> <p>During construction, the County of Monterey (County) shall ensure that the Construction Contractor implements a weed abatement program to minimize the importation of nonnative plant material during and after construction. Eradication strategies would need to be employed should an invasion occur. Measures addressing invasive species abatement and eradication shall be included in the project design and contract specifications, and shall be implemented and enforced by the Construction Contractor. At a minimum, this weed abatement program would include the following:</p> <ul style="list-style-type: none"> • During construction, the Construction Contractor shall inspect and clean construction equipment at the beginning and end of each day and prior to transporting equipment from one project location to another. • During construction, soil and vegetation disturbance shall be | <ul style="list-style-type: none"> • A weed abatement program shall be implemented to minimize the importation of nonnative plant material during and after construction. • Eradication strategies would need to be employed should an invasion occur. • Measures addressing invasive species abatement and eradication shall be included in the project design and contract specifications. • At a minimum, this weed abatement program would include the following: <ul style="list-style-type: none"> ○ Construction equipment shall be inspected and cleaned at the beginning and end of each day and prior to transporting equipment from one project location to another. ○ Soil and vegetation disturbance shall be minimized to the greatest extent feasible. ○ All active portions of the | Construction Contractor | During final design/During construction. | |

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| | <p>minimized to the greatest extent feasible.</p> <ul style="list-style-type: none"> • During construction, the Construction Contractor shall ensure that all active portions of the construction site are watered a minimum of twice a day or more often when needed due to dry or windy conditions to prevent excessive amounts of dust and seed dispersal. • During construction, the Construction Contractor shall ensure that all stockpiled material is sufficiently watered or covered to prevent excessive amounts of dust and seed dispersal. • During construction, soil/gravel/rock shall be obtained from weed-free sources. • All invasive plant material removed from the biological study area (BSA) shall be disposed of properly in a landfill or other suitable facility, where it shall be chipped and composted to prevent spreading viable seeds or propagules that could take root on another site. • Only certified weed-free straw, mulch, and/or fiber rolls shall be used for erosion control. • After construction, impacted areas adjacent to native vegetation shall be revegetated with plant species that are native to the vicinity and approved by the County of Monterey. | <p>construction site will be watered a minimum of twice a day or more often when needed due to dry or windy conditions to prevent excessive amounts of dust and seed dispersal.</p> <ul style="list-style-type: none"> ○ All stockpiled material will be sufficiently watered or covered to prevent excessive amounts of dust and seed dispersal. ○ Soil/gravel/rock shall be obtained from weed-free sources. ○ All invasive plant material removed from the biological study area (BSA) shall be disposed of properly in a landfill or other suitable facility, where it shall be chipped and composted to prevent spreading viable seeds or propagules that could take root on another site. ○ Only certified weed-free straw, mulch, and/or fiber rolls shall be used for erosion control. ○ After construction, impacted areas adjacent to native vegetation shall be revegetated with plant species that are native to the vicinity and approved by the County of Monterey. | | | |

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| | <ul style="list-style-type: none"> • After construction, all revegetated areas would avoid the use of species listed in the California Invasive Plant Council (Cal-IPC) California Invasive Plant Inventory that have a high or moderate rating. • Eradication procedures (e.g., spraying and/or hand weeding) shall be outlined should an infestation occur. The use of herbicides shall be prohibited within and adjacent to native vegetation, except as specifically authorized and monitored by the County of Monterey. | <ul style="list-style-type: none"> ○ After construction, all revegetated areas would avoid the use of species listed in the California Invasive Plant Council (Cal-IPC) California Invasive Plant Inventory that have a high or moderate rating. ○ Eradication procedures (e.g., spraying and/or hand weeding) shall be outlined should an infestation occur. ○ The use of herbicides shall be prohibited within and adjacent to native vegetation, except as specifically authorized and monitored by the County of Monterey. | | | |
| 56 | <p>Mitigation Measure IS-2: Removal of Invasive Wildlife.</p> <p>The County shall develop a program to remove and monitor invasive, nonnative wildlife species during and after construction. Measures addressing invasive species abatement and eradication shall be included in the project design and contract specifications, and shall be implemented and enforced by the Construction Contractor. At a minimum, the program shall include the following:</p> <ul style="list-style-type: none"> • Nonnative wildlife shall not be returned to the river or any other natural water body. | <ul style="list-style-type: none"> • A program shall be developed to remove and monitor invasive, nonnative wildlife species during and after construction. • Measures addressing invasive species abatement and eradication shall be included in the project design and contract specifications, and shall be implemented and enforced by the Construction Contractor. • At a minimum, the program shall include the following: <ul style="list-style-type: none"> ○ Nonnative wildlife shall not be returned to the river or any other natural water body. ○ A qualified biologist shall | Monterey County Resource Management Agency /Construction Contractor/ Qualified Biologist | During final design/During construction. | |

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| | <ul style="list-style-type: none"> • During project construction, a qualified biologist shall permanently remove individuals of nonnative, invasive wildlife species (e.g., bullfrogs, crayfish, nonnative turtles, and centrarchid fish) from the project area and dispatch them humanely. | <p>permanently remove individuals of nonnative, invasive wildlife species from the project area and dispatch them humanely.</p> | | | |