

**SR 68 (Holman Highway) Widening Project,  
Monterey County, California  
District 05-Mon-68, K.P. 6.1/7.1, (PM 3.8/4.4)**

**Mitigation Monitoring Plan**

This mitigation monitoring plan (MMP) has been prepared in accordance with Public Resources Code 21081.6(a) (CEQA Guidelines Sections 15091(d) and 15097). Section 15097 requires all state and local agencies to establish monitoring or reporting programs for projects approved by a public agency whenever approval involves the adoption of either a "mitigated negative declaration" or specified environmental findings related to environmental impact reports.

The purpose of the monitoring program is to ensure that the mitigation measures identified in the Environmental Impact Report (EIR) prepared for the State Route 68 (Holman Highway) Widening Project, City of Monterey (City), Monterey County, California are implemented. Unless otherwise noted, the cost of implementing the mitigation measures as prescribed by this Plan shall be funded by the City.

The MMP is intended to be used by the City staff and mitigation monitoring personnel to ensure compliance with mitigation measures during project implementation. Mitigation measures identified in the MMP were developed in the EIR prepared for the proposed project.

The MMP provides for monitoring of construction activities as necessary and in-the-field identification and resolution of environmental concerns. The coordination of this effort is the responsibility of the City and will occur prior to construction. The City of Monterey will rely on the following procedures during monitoring efforts.

- On-site, day-to-day monitoring of construction activities, including grading for the increased roadway, demolition of the Scenic Drive overcrossing, tree removal and/or any other construction activities that impact natural or historic resources.
- Reviewing construction plans and equipment staging/access plans to ensure conformance with adopted mitigation measures.
- Ensuring contractor knowledge of and compliance with the MMP.
- Having the authority to require correction of activities that violate mitigation measures. The Team, composed of the Caltrans Registered Engineer (RE), the City of Monterey Project Manager and/or the City Forester, shall have the ability and authority to secure compliance with the MMP.
- The City of Monterey will act in the role of contact for property owners or any other affected persons who wish to register observations of violations of project permit conditions or mitigation. Upon receiving any complaints, the City

inspector shall immediately contact the construction foreman or RE assigned to the project. The City inspector shall be responsible for verifying any such observations and for developing any necessary corrective actions in consultation with the construction foreman and the City.

- Obtaining assistance as necessary from technical experts in order to develop site-specific procedures for implementing the mitigation measures.
- Maintaining a log of all significant interactions, violations of permit conditions or mitigation measures, and necessary corrective measures.

The following table presents the impacts that this project would generate, mitigation measures proposed to minimize any significant effect; implementation responsibility, and the monitoring/reporting including timing required to ensure the mitigation measure is implemented; and finally a reference column providing the reader with a corresponding page number in the environmental document.

This monitoring program follows the sequence of the Environmental Impact Report beginning with the Human Environment and ending with the Construction Environment.

# Mitigation Monitoring Plan

| REF. *               | MITIGATION MEASURES   | IMPLEMENTATION RESPONSIBILITY   | MONITORING/REPORTING RESPONSIBILITY AND TIMING   |
|----------------------|---|---|--|
|                      | <b>Human Environment</b>  |   |  |
|                      | <i>Visual/Aesthetics</i>  |   |  |
|                      | The project would reduce the visual quality in the area through increased pavement, the construction of retaining walls and the removal of natural vegetation.  |   |  |
| EIR pg. 2-33 to 2-36 | <p>1. Prior to construction, the City Forester or another Registered Professional Forester or Certified Arborist shall verify that trees approved for removal are clearly marked and trees adjacent to the construction shall be protected from incidental damage. Areas that are outside of the construction zone shall be designated as Environmentally Sensitive Areas (ESA) and boundaries shall be shown on plans and temporary orange safety fencing shall be installed. During construction, the City Forester or another Registered Professional Forester or Certified Arborist shall regularly monitor the Monterey pine forest in the area to ensure compliance with these standards as well as to determine if residual trees close to the perimeter are sufficiently healthy and free of damage to be retained. The retained forest shall be monitored twice a year for three years after completion of construction to document and make recommendations for treatment of retained trees. Every monitoring inspection after job completion shall be documented by a report submitted to the City of Monterey and Caltrans District 05.</p> | <p>(Measure 1) The City of Monterey shall ensure that a City forester is available to approve the tree removal. The City of Monterey shall work with Caltrans District 05 and the project applicant to prepare a monitoring program.</p> <p>Monitoring and reports will be prepared by the City Forester and placed on file with the City of Monterey, Caltrans District 05, Monterey County, the Coastal Commission and the California Department of Fish and Game (CDFG). Caltrans District 05 shall ensure that the ESA and fencing are included in the project plans, specifications and estimate (PS&amp;E).</p> | <p>(Measure 1) Caltrans District 05 and the City of Monterey shall verify that all tree removal is complete at the end of the construction activities. Caltrans District 05 and the City of Monterey shall verify that the monitoring program is in place at the end of construction and shall verify that monitoring and reports extend through the allotted timeframe (three to five years).</p> |

\*pertains to page numbers in the Environmental Impact Report (EIR)

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| EIR pg. 2-33 to 2-36 | <p>2. A removal permit, as required by the Local Coastal Plan, County of Monterey, and City of Monterey, shall be required for the removal of any healthy native trees, including Monterey pine, native oak, native sycamore or madrone trees with a diameter at standard height (DSH) of 4.5 feet. Where feasible, trees removed will be replaced by nursery-grown trees of the same species of a size not less than five gallons.</p> <p>3. A landscape plan shall be incorporated into the final design of the State Route 68 improvements. The project features cannot be shifted to accommodate planting, so the landscape plan should be designed for the current project alternatives and ramp variations. This plan would effectively buffer viewers from the visual impacts of the project and would identify all opportunities to use areas within the project limits for revegetation. This plan should include the revegetation of graded areas with native plant species compatible with adjacent natural vegetation and the screening of all new project structures (bridges and retaining walls) to the extent feasible. This plan will be reviewed by a Caltrans Landscape Architect for compliance. This plan will include performance criteria (i.e., plant coverage/density, plant types, etc.) that must be met to ensure that revegetation of affected areas will be</p> | <p>(Measure 2) The City of Monterey shall issue all permits for tree removal. Caltrans District 05 shall ensure that the mitigation measure details are included in the PS&amp;E.</p> <p>(Measures 3 and 4) The City of Monterey and the Caltrans District 05 Landscape Architect shall work with a consulting landscape architect to implement a landscape plan, which includes all mitigation measures.</p> | <p>(Measure 2) Caltrans District 05 shall verify that all tree removal permits are obtained prior to construction and all mitigation planting is completed after construction.</p> <p>(Measures 3 and 4) The City of Monterey shall verify that the landscape plan is implemented after construction is complete.</p> |

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| EIR pg. 2-33 to 2-36 | <p>compatible with the existing natural landscape. The landscape plan shall be subject to review and approval of the Architectural Review Committee (composed of adjacent resident and business owners, City and county officials and other stakeholders). Title 23 of the United States Code (USC) includes policies on the planting of wild flowers. Section 319 of Title 23 USC states that “[t]he secretary shall require the planting of native wildflower seed or seedlings, or both, as part of any landscaping projects...” (Federal Highway Administration 2001). This policy shall be implemented in appropriate locations in the landscape plan.</p> <p>The landscape plan shall be consistent with the biological mitigation measures.</p> <p>4. Native and native-compatible species, especially drought resistant species, shall be used to the maximum extent possible in fulfilling landscape requirements imposed as conditions of approval for discretionary permits. If feasible, trees or shrubs shall be planted along the 5-foot space parallel to the retaining walls on the south side of State Route 68 between Community Hospital of Monterey Peninsula and the 17-Mile Scenic Drive overcrossing. Such planting shall also occur in the split retaining wall on the north side of State Route 68, east of 17-Mile Scenic Drive, as well as the retaining wall on Sunridge Drive. Where feasible, groundcover shall be planted</p> |                               |  |

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| <p>EIR pg. 2-33 to 2-36</p> | <p>along the base of retaining walls in the project area. Caltrans Landscape Architect will review vegetation plans for compliance. Some species that should be considered for aesthetic mitigation measures in the study are included, but are not limited to, the following</p> <ul style="list-style-type: none"> <li>Buckwheat (<i>Eriogonum parvifolium</i>)</li> <li>Local-stock Monterey pine (<i>Pinus radiata</i>)</li> <li>Coast live oak (<i>Quercus agrifolia</i> [from local seed stock])</li> <li>Toyon (<i>Heteromeles arbutifolia</i>)</li> <li>Black sage (<i>Salvia mellifera</i>)</li> <li>Purple sage (<i>Salvia leucophylla</i>)</li> <li>Sticky monkey flower (<i>Mimulus auranteus</i>)</li> <li>California buckeye (<i>Aesculus californica</i>)</li> </ul> <p>These plantings would serve as aesthetic mitigation measures, and do not constitute a replacement or substitution for biological mitigation measures, which are addressed in Section 2.3.4 (<i>Natural Environment Study</i> and <i>Draft Mitigation Plan</i>, PAR Environmental Services, 2004b). Landscape plan must be completed by a California registered landscape architect.</p> |                               |  |

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| EIR pg. 2-33 to 2-36 | <p>5. Special architectural detail and aesthetic treatments shall be incorporated into the design of the proposed 17-Mile Scenic Drive overcrossing and the retaining walls along State Route 68 (including the proposed retaining wall), Sunridge Road and the State Route 1 southbound off ramp. The architectural detail and aesthetic treatments shall include the use of natural appearing stone, especially themed mosaics inlaid within the retaining walls, rock similar to that at Lighthouse Avenue, planting areas incorporated into the walls to allow for vegetation to cascade down or climb up the walls of the structures, bridge design utilizing natural colors and aesthetic details. These design features will reduce the potential visual intrusiveness of all bridge structures and retaining walls within the project study area. Specific architectural detail and aesthetic treatments will be determined during final design and subject to review and approval of Architectural Review Committee.</p> <p>6. An Aesthetic Design Advisory Committee (composed of adjacent resident and business owners, City and county officials and other stakeholders) shall be established to represent local and state interests concerning project aesthetics. Membership of the advisory committee shall be recommended by the City of Monterey. Local</p> | <p>(Mitigation 5 and 6) The City of Monterey shall initiate the formation of the Aesthetic Design Advisory Committee. The City of Monterey shall work with the Committee and Caltrans District 05 to submit the designs to the City of Monterey, Architectural Review Committee for final approval.</p> | <p>(Mitigation 5 and 6) The City of Monterey and Caltrans District 05 shall verify that the Aesthetic Design Advisory Committee provides reasonable designs that meet aesthetic and functional needs. The City of Monterey shall verify that the Architectural Review Committee approves the designs prior to the final PS&amp;E. It is not anticipated that approval of designs will conflict with any permitting.</p> |

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| <p>EIR pg. 2-33 to 2-36</p> | <p>residents, as well as community-wide and California Department of Transportation interests shall be represented on the committee.</p> <p>The purpose of the committee will be to advise project designers, with the goal of:</p> <ul style="list-style-type: none"> <li>• Minimizing impacts on existing visual quality,</li> <li>• Maintaining visual compatibility and integration of project features into the surrounding environment, and</li> <li>• Creating an aesthetically pleasing facility.</li> </ul> <p>The project designers shall respond to the recommendations of the Aesthetic Design Advisory Committee to the greatest extent feasible.</p> |                               |  |

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|                      | <b>Physical Environment</b>  |  |   |
|                      | <b>Water Quality</b>   |  |   |
|                      | The project is not anticipated to contribute to the decline of water quality conditions in the area. The project would not have a significant effect on local hydrology, floodplain or water quality.  |  |   |
| EIR pg. 2-38         | The State Water Resources Control Board has issued a construction general permit. All Department projects that are subject to the construction general permit require either a Storm Water Pollution Prevention Plan (SWPPP) or a Water Pollution Control Program (WPCP). The contractor prepares both the SWPPP and the WPCP, which become abatement measures that are incorporated into the proposed project.  | The City of Monterey shall ensure that the appropriate permitting is obtained and all measures are incorporated into the PS&E.   | The City of Monterey shall verify that the SWPPP and the WPCP are complete prior to construction and all abatement measures are followed during construction activities.  |
|                      | <b>Hazardous Waste/Materials</b>   |  |   |
|                      | Demolition of the Scenic Drive Overcrossing and pavement removal could trigger the presence of lead based paint and asbestos. The field review noted a wood/rock retaining feature along the southbound State Route 1 on ramp near the southwest quadrant of the State Route 68/State Route 1 interchange. This site may be impacted by construction activity along the ramp and, therefore, could necessitate removal of the material to a Class I disposal site. |  |   |
| EIR pg. 2-45 to 2-46 | 1. Any structures to be demolished will be tested for ACMs. If ACMs are found, appropriate special provisions will be included in the construction contract so that this material is properly removed and disposed.  | (Measures 1 and 2) The City of Monterey shall ensure that pre-construction testing for asbestos containing materials and lead-based paints are completed. Any mitigation measures resulting from the findings shall be included in the PS&E. | (Measures 1 and 2) Caltrans District 05 shall verify that pre-construction testing is complete prior to construction. Caltrans District 05 shall verify compliance with all mitigation measures during construction activities. |

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| EIR pg. 2-45 to 2-46 | <p>The procedures for inspection, notification, and abatement must be in compliance with Monterey Bay Unified Air Pollution Control District and California Occupational Safety &amp; Health Act requirements.</p> <p>2. Pavement striping will be tested for lead-based paints after removal as part of the contract bid. If these materials are found within the pavement, transportation and disposal will be determined based on lead concentration and the material's waste classification.</p> <p>3. Treated timbers shall be properly disposed of at a Class I landfill. If this work is necessary, it will be completed as a contract bid item in the PS&amp;E and will follow all appropriate Caltrans provisions regarding treated timbers.</p> <p>4. The contractor shall prepare a project-specific Lead Compliance Plan according to the California Code of Regulations, Title 8, Section 1532.1 to Caltrans standards. The plan shall prevent or minimize worker exposure to lead-impacted soil and shall include protocols for environmental and personnel monitoring, requirements for personal protective equipment and other appropriate health and safety protocols for handling lead-impacted soil (<i>Limited Site Investigation Report</i>, Geocon 2007; on file, City of Monterey).</p> | <p>(Measure 3) The City of Monterey shall include all mitigation measures in the PS&amp;E.</p> <p>(Measure 4) The City of Monterey shall include a Lead Compliance Plan as a contract bid item in the PS&amp;E</p> | <p>(Measure 3) The City of Monterey shall verify that all roadside debris is properly disposed according to Caltrans standards.</p> <p>(Measure 4) The City of Monterey shall verify that contractors are following the protocols and procedures set forth in the Lead Compliance Plan.</p> |

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|                      | <p><b>Biological Environment</b></p> <p><i>Monterey Pine Forest</i></p>   |  |   |
|                      | <p>The loss of Monterey pine forest due to any of the alternatives is a significant impact of the project because of the rare and threatened nature of this special status plant community. Mitigation measures are provided to reduce the impact to a less-than-significant level.</p>   |  |   |
| EIR pg. 2-62 to 2-65 | <p>To minimize impacts to the Monterey pine forest at the project site, the following measures, as outlined in the Natural Environment Study Report, shall be followed:</p> <ol style="list-style-type: none"> <li>1. Trees approved for removal shall be clearly marked, and adjacent trees shall be protected from incidental damage. For example, Monterey pine trees outside of the tree removal area but within five meters (16.4 feet) of access roads or staging areas shall be shielded with boards or other material to protect the trunk from injury.</li> <li>2. Monterey pine trees that are outside of the construction zone shall be designated as an Environmentally Sensitive Area. The boundaries of the Environmentally Sensitive Area shall be shown on plans and specifications, and shall also be delineated on the ground prior to construction with temporary orange safety fencing or flagging, where appropriate. The fencing shall remain in place until construction is complete. No earthmoving activities, vehicles, heavy equipment, stockpiling or dumping of materials, or other construction shall be permitted within this Environmentally Sensitive Area.</li> </ol> | <p>(Measures 1 through 3) Prior to construction, the City Forester or another Registered Professional Forester or Certified Arborist shall verify all trees marked for removal. The City of Monterey shall issue all permits for tree removal. Caltrans District 05 shall ensure that the mitigation measure details are included in the PS&amp;E.</p> | <p>(Measures 1 through 3) Caltrans District 05 shall verify that all tree removal permits are obtained prior to construction and all mitigation planting is completed after construction.</p> |

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| <p>EIR pg. 2-62 to 2-65</p> | <p>3. Before excavating stumps to be removed within seven meters (23 feet) of the perimeter of the work area, all roots within the top 0.5 meters (1.6 feet) of the surface shall be located by visual inspection and probing with a pick or shovel. Roots shall be cut clean to avoid damaging roots of residual trees that may be intertwined with the stump being removed.</p> <p>4. The Monterey pine forest shall be monitored regularly to ensure compliance with mitigation measures and to determine if residual trees close to the perimeter are sufficiently healthy and free of damage to be retained. The retained forest shall be monitored twice a year for three years after completion of construction to document and make recommendations for treatment of retained trees.</p> <p>5. The loss of 481 trees shall be offset by replanting a minimum of 626 Monterey pine and live oak trees (481 trees plus 30 percent overplanting) at the Iris Canyon Greenbelt, a 32.1-acre City park approximately 1.5 miles northeast of the project area. A botanist and the City Forester surveyed Iris Canyon Greenbelt for areas that would support Monterey pine and live oak plantings, and found 40 suitable planting sites ranging in size from 52,048 ft<sup>2</sup> to 262 ft<sup>2</sup>, providing a total planting area of 3.86 acres.</p> | <p>(Measure 4) During construction, the City Forester or another Registered Professional Forester or Certified Arborist shall regularly monitor the Monterey pine forest to ensure compliance with mitigation measures.</p> <p>(Measure 5) The City Forester, Registered Professional Forester or Certified Arborist shall be retained to prepare and implement a revegetation plan in conjunction with restoration/monitoring of the Iris Canyon Greenbelt. All revegetation plans will be subject to review by Caltrans District 05.</p> | <p>(Measure 4) The City Forester or another Registered Professional Forester or Certified Arborist shall prepare a monitoring report that will be submitted to the City of Monterey, Caltrans, Monterey County, the Coastal Commission and the California Department of Fish and Game.</p> <p>(Measure 5) The City of Monterey shall verify that a revegetation plan is implemented. The City of Monterey shall ensure that the monitoring reports are prepared by the City Forester or contractor retained by the City and filed with the City of Monterey, Caltrans District 05, Monterey County, the Coastal Commission and the California Department of Fish and Game.</p> <p>The revegetation plantings at Iris Canyon Greenbelt shall be monitored for a minimum of five years, and annual monitoring reports shall be submitted for review to Caltrans District 05.</p> |

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| EIR pg. 2-62 to 2-65 | <p>A revegetation plan shall be prepared for the planting of 626 trees, including Monterey pines and coastal live oaks grown from local seed sources, at the Iris Canyon Greenbelt. The goal of the revegetation is to recreate a sustainable Monterey pine forest that will eventually resemble a native forest in terms of species composition of forest and understory, age structure, and wildlife value. The detailed revegetation plan shall include at least the following elements:</p> <ol style="list-style-type: none"> <li>a. Project Description               <ul style="list-style-type: none"> <li>• Location of Project</li> <li>• Brief Summary of Overall Project</li> <li>• Responsible Parties</li> </ul> </li> <li>b. Goal of Mitigation               <ul style="list-style-type: none"> <li>• Types of Habitat to be Created</li> <li>• Functions and Values of Habitat to be Created</li> </ul> </li> <li>c. Final Success Criteria               <ul style="list-style-type: none"> <li>• Target Functions and Values</li> </ul> </li> <li>d. Proposed Mitigation Site               <ul style="list-style-type: none"> <li>• Location and Size of Mitigation Area</li> <li>• Ownership Status of Mitigation Area</li> <li>• Existing Functions and Values of Mitigation Area</li> </ul> </li> <li>e. Implementation Plan               <ul style="list-style-type: none"> <li>• Present/Proposed Use of Mitigation Area</li> <li>• Present/Proposed Uses of all Adjacent Area</li> <li>• Analysis of Site Conditions</li> </ul> </li> <li>f. Implementation Plan               <ul style="list-style-type: none"> <li>• Responsible Parties</li> </ul> </li> </ol> |                               |  |

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| EIR pg. 2-62 to 2-65 | <ul style="list-style-type: none"> <li>• Site Preparation</li> <li>• Planting Plan</li> <li>• Schedule</li> <li>• Irrigation Plan</li> <li>• As-Built Conditions</li> <li>f. Maintenance During Establishment Period               <ul style="list-style-type: none"> <li>• Maintenance Activities</li> <li>• Responsible Parties</li> <li>• Schedule</li> </ul> </li> <li>g. Monitoring Plan               <ul style="list-style-type: none"> <li>• Performance Criteria</li> <li>• Monitoring Methods</li> <li>• Annual Reports</li> <li>• Schedule</li> </ul> </li> </ul> |                               |  |

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|                      | <b>Monterey Dusky-footed Woodrats</b>  |  |  |
|                      | The loss of Monterey pine forest due to the State Route 68 project contributes to the region wide decline in potential dusky-footed woodrat habitat on the Monterey peninsula, but is a relatively insubstantial contribution. Mitigation proposed for loss of Monterey pine forest will compensate for contributions to cumulative impacts affecting woodrat habitat by restoring a portion of a nearby large, unfragmented Monterey pine forest with a well-developed understory.  |  |  |
| EIR pg. 2-68 to 2-69 | To avoid potential direct impacts to woodrats that might occur in the project area, a qualified wildlife biologist shall survey the project impact area for evidence of dusky-footed woodrat nests. The survey shall be conducted no more than 60 days prior to construction. If woodrat nests are found within the project impact area, a qualified biologist (with small mammal trapping experience and a valid California collecting permit) shall, in consultation with California Department of Fish and Game, live-trap the woodrat(s) and relocate them to a suitable site. | The City of Monterey shall ensure that all pre-construction surveys are completed. The City of Monterey and Caltrans District 05 shall ensure that the mitigation measures determined as a result of the pre-construction surveys shall be detailed in a report and shall be retained by the City and filed with the City of Monterey, Caltrans District 05, Monterey County, the Coastal Commission and the California Department of Fish and Game. | The City of Monterey shall verify that all pre-construction surveys are completed. The City of Monterey shall verify that the mitigation measures based on the pre-construction survey findings are implemented. |

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|                      | <p><i>Nesting Birds</i></p>   |   |  |
|                      | <p>Tree removal or nearby construction could adversely affect raptors and other nesting migratory birds. Significant impacts to nesting raptors and other migratory birds can be avoided by conducting preconstruction surveys and implementing appropriate avoidance/mitigation measures if active nests are found.</p>  |   |  |
| EIR pg. 2-69 to 2-70 | <p>To avoid potential impacts to nesting birds, a qualified wildlife biologist shall conduct preconstruction surveys each year in all potential nest sites including all trees in the impact footprint and within a 150-m (492-foot) radius for raptors and other nests. The preconstruction surveys shall include the following:</p> <ol style="list-style-type: none"> <li>1. If construction or tree removal shall occur between February 15 and August 31, preconstruction surveys shall be conducted each year in all potential nest sites for nesting birds. Surveys shall be conducted by a qualified wildlife biologist.</li> <li>2. Surveys shall be conducted no more than 14 days prior to the initiation of construction activities (February 15 through August 31)</li> <li>3. The surveyor shall inspect all trees in the impact footprint and within a 150-m (492-foot) radius for raptors and other nests.</li> </ol> | <p>The City of Monterey shall ensure that all pre-construction surveys are completed. The mitigation measures determined as a result of the pre-construction surveys shall be detailed in a report and shall be retained by the City and filed with the City of Monterey, Caltrans District 05, Monterey County, the Coastal Commission and the California Department of Fish and Game.</p> | <p>The City of Monterey shall verify that all pre-construction surveys are complete. The City of Monterey shall verify that the mitigation measures based on the pre-construction survey findings are implemented.</p> |

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| EIR pg. 2-69 to 2-70 | <p>4. If the surveyor deems that an active bird nest is close enough to the construction area to be disturbed, he or she shall (in consultation with the California Department of Fish and Game) determine the extent of the construction-free buffer zone to be established around the nest.</p> <p>5. Nest trees shall be removed outside the nesting season or after a qualified wildlife biologist verifies that the nest is empty and the nest tree is no longer used by the adult and young birds.</p> |                               |  |

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|                      | <p><b><i>Invasive Species</i></b></p> <p>The project will have a less than significant effect on the environment with the incorporation of mitigation measures.</p>   |  |  |
| EIR pg. 2-70 to 2-71 | <p>In compliance with the Executive Order 13112 on Invasive Species and subsequent guidance from the Federal Highway Administration, the landscaping and erosion control included in the project will not use species listed as noxious weeds. In areas of particular sensitivity, extra precautions will be taken if invasive species are found in or adjacent to the construction areas. These include the inspection and cleaning of construction equipment and eradication strategies to be implemented should an invasion occur, including the removal of topsoil that may include weed seeds.</p> | <p>The City of Monterey shall ensure that all invasive species measures are included in the PS&amp;E.</p>  | <p>The City of Monterey shall verify that all mitigation measures are followed and the introduction of invasive species eliminated during construction activities.</p>   |
|                      | <p><b>Construction Environment</b></p>  |  |  |
|                      | <p><b><i>Utilities/Emergency Services</i></b></p> <p>During construction there may be disruption of service in order to accomplish relocations and road work. This is a significant impact that can be avoided. A detailed assessment of the location of underground and aboveground utilities must be prepared and coordination with public utilities should be included as part of the design process.</p>  |  |  |
| EIR pg. 2-72 to 2-73 | <p>1. During construction, underground utility alert (USA) services shall be used to identify the location of all underground services and to avoid the unplanned disruption of pipes or service lines during roadway excavation and other activities.</p> <p>2. A construction period public outreach and communications plan and program shall be developed for all phases of the project. Weekly assessments of upcoming utility and service (continued on pg 17)</p>  | <p>(Measures 1 and 2) The City of Monterey shall be responsible for coordinating with utility companies and the public on any utility or service disruptions that may occur during construction. The City of Monterey shall be responsible for ensuring that the mitigation measures are included in the PS&amp;E.</p> | <p>(Measures 1 and 2) The City of Monterey shall verify that the utility companies are informed of any construction activities near pipes or service lines and the public is informed of any utility or service disruptions that may result from construction of this project.</p> |

\*pertains to page numbers in the Environmental Impact Report (EIR)

# Mitigation Monitoring Plan

| REF. *               | MITIGATION MEASURES   | IMPLEMENTATION RESPONSIBILITY  | MONITORING/REPORTING RESPONSIBILITY AND TIMING  |
|----------------------|---|--|---|
| EIR pg. 2-72 to 2-73 | <p>disruptions shall be undertaken by the construction project management team. These assessments and an identification of the service area involved shall be coordinated with the public outreach program. The public outreach program shall ensure that advance notice for any utility or service shutdowns is extended to affected businesses and residents. Through construction management and project scheduling, all available measures shall be taken to minimize the duration of utility or service shutdowns.</p> <p>3. Prior to start of construction, the City of Monterey shall coordinate with the Highway Patrol, the City Police and Fire Department, the County Sheriff's Department, County Fire Districts, and local public and private ambulance and paramedic providers in the area to prepare a Construction Period Emergency Access Plan. The Emergency Access Plan shall identify phases of the project and construction scheduling and shall identify appropriate alternative emergency access routes.</p> <p>4. During construction, the project management team shall review and update the Emergency Access Plan based on work scheduling. The public outreach program shall be responsible for notifying emergency services of any changes in emergency access and providing details regarding alternative routes.</p> | <p>(Measures 3 and 4) The City of Monterey shall be responsible for coordinating and informing the emergency service providers as to dates, times and locations of construction. The City of Monterey shall be responsible for ensuring that the mitigation measures are included in the PS&amp;E.</p> | <p>(Measures 3 and 4) The City of Monterey shall verify that the emergency service providers are informed and construction emergency routes have been set into place.</p> |

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|----------------------|--|--|---|
|                      | <p><i>Air Quality</i></p> <p>Implementation of the proposed project would result in the generation of short-term construction-related air pollutant emissions. Exhaust emissions from construction equipment would contain reactive organic gases (ROG), nitrogen oxides (NO<sub>x</sub>), carbon monoxide, and PM<sub>10</sub>. PM<sub>10</sub> emissions would also result from windblown dust (fugitive dust) generated during excavation, grading, and hauling activities. The generation of these emissions would be considered adverse. Mitigation measures are recommended to reduce construction-related emissions.</p>  |  |   |
| EIR pg. 2-73 to 2-74 | <p>The Monterey Bay Unified Air Pollution Control District has developed a list of feasible minimization measures designed to reduce construction dust. (Monterey Bay Unified Air Pollution Control District, 2002). The following minimization measures include all construction measures that are applicable to the project. The following minimization measures will reduce construction-related impacts to an acceptable level.</p> <p>Daily watering of all exposed soil areas disturbed by construction activities is required. The project resident engineer will be required to use the appropriate measures listed below, when daily watering is insufficient to keep visible dust from blowing off-site.</p> <ul style="list-style-type: none"> <li>• Prohibit all grading activities during periods of high wind (over 15 miles per hour).</li> </ul> | <p>The City of Monterey shall be responsible for ensuring that the mitigation measures are included in the PS&amp;E.</p> | <p>The City of Monterey shall verify that all air quality measures are implemented during construction.</p> |

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|-----------------------------|---|-------------------------------|--|
| <p>EIR pg. 2-73 to 2-74</p> | <ul style="list-style-type: none"> <li>• Apply chemical soil stabilizers on inactive construction areas (disturbed lands within construction projects that unused for four consecutive days.)</li> <li>• Apply non-toxic binders (e.g. latex acrylic copolymer) to exposed areas after cut and fill areas and hydroseed area.</li> <li>• Haul trucks shall maintain at least two feet of freeboard.</li> <li>• Cover all trucks hauling dirt, sand, or loose materials.</li> <li>• Plant vegetative ground cover in disturbed areas as soon as possible.</li> <li>• Cover inactive storage piles.</li> <li>• Sweep streets if visible soil material is carried out from the construction site.</li> </ul> <p>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 Monterey Bay Unified Air Pollution Control District shall be visible to ensure compliance with Rule 402 (Nuisance).</p> |                               |  |

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|--------------|--|--|---|
|              | <b>Cultural Resources</b>  |  |   |
|              | The project would not impact known archaeological resources, but if any are encountered during construction, construction would be stopped and abatement measures would be followed.   |  |   |
| EIR pg. 2-74 | <p>If cultural materials are discovered during construction, all earth-moving activity within and around the immediate discovery area will be diverted until a qualified archaeologist can assess the nature and significance of the find.</p> <p>If human remains are discovered, State Health and Safety Code Section 7050.5 states that further disturbances and activities shall cease in any area or nearby area suspected to overlie remains, and the County Coroner contacted. Pursuant to Public Resources Code Section 5097.98, if the remains are thought to be Native American, the coroner will notify the Native American Heritage Commission who will then notify the Most Likely Descendent. At this time, the person who discovered the remains will contact the California Department of Transportation Environmental Coordinator for the project so that they may work with the Most Likely Descendent on the respectful treatment and disposition of the remains. Further provisions of Public Resources Code (PRC) 5097.98 are to be followed as applicable.</p> | <p>If cultural materials or human remains are unearthed during construction it is the responsibility of the contractor to inform the City of Monterey and stop work immediately.</p> | <p>The City of Monterey shall periodically monitor construction activities and in the event archaeological resources are discovered, shall monitor the contractors compliance with the archaeologist's recommendations.</p> |

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|                      | <i>Noise</i>   |  |   |
|                      | <p>During the construction phases of the project, noise from construction activities would dominate the noise environment in the immediate area. Activities involved in construction would generate noise levels, ranging from 70 to 90 dB at a distance of 50 feet. Construction activities would be temporary in nature, typically occurring during normal working hours. Construction noise impacts could be significant, as nighttime operations or use of unusually noisy equipment could result in annoyance or sleep disruption for nearby residences. The project anticipates that some nighttime construction could occur. It is expected that the construction noise during the nighttime periods could result in a significant noise impact.</p>  |  |   |
| EIR pg. 2-74 to 2-75 | <p>Construction noise is regulated by California Department of Transportation standard specifications Section 7.011 "Sound Control Requirements". These requirements state that noise levels generated during construction shall comply with applicable local, state, and federal regulations, and that all equipment shall be fitted with adequate mufflers according to the manufacturer's specifications. It is recommended that pneumatic tools and demolition equipment operations are limited to the daytime hours. It is also necessary that residents are notified in advance of nighttime construction activities. To the extent possible, the nighttime construction work should be limited to the portion of the project site furthest from the residences. If numerous complaints are received, the construction of plywood temporary barriers would occur to reduce construction noise.</p> | <p>The City of Monterey shall ensure that the mitigation measures are included in the PS&amp;E and that residents are notified in advance of nighttime construction.</p> | <p>The City of Monterey shall verify compliance with mitigation measures required during construction activities.</p> |

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|              | <p><b>Wetlands and Other Waters of the United States</b></p>  |   |  |
|              | <p>The wetland and other waters are not within the project. To protect these sites from inadvertent damage during construction, abatement is needed.</p>  |   |  |
| EIR pg. 2-75 | <p>The wetland identified shall be designated as an Environmentally Sensitive Area. The boundaries of the Environmentally Sensitive Area shall be shown on plans and specifications, and shall also be delineated on the ground prior to construction with temporary orange safety fencing. No earth-moving activities, vehicles, heavy equipment, or other construction shall be permitted within this Environmentally Sensitive Area.</p> <p>The waters of the United States are outside the project impact area, but will be protected by designating them as an Environmentally Sensitive Area. To prevent indirect impacts to water quality in these waters from upslope earthmoving or construction activities, the following measures will be implemented: adherence to State Standard Specifications for avoidance of water pollution (Section 7-1.01G); compliance with National Pollutant Discharge Elimination Systems permit requirements and Model Urban Runoff Program guidelines; implementation of Best Management Practices, and by other water quality protection measures described in the Natural Environment Study (<i>Natural Environment Study, Including Avoidance, Minimization, Mitigation and Monitoring Plan, Final Report</i>, PAR 2004; on file, City of Monterey Planning Department).</p> | <p>The City of Monterey shall ensure that the appropriate areas are identified as Environmentally Sensitive Areas and fenced appropriately. The City of Monterey shall ensure that no construction activities occur within the Environmentally Sensitive Areas.</p> | <p>The City of Monterey shall verify compliance with all mitigation measures during construction activities.</p> |

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