
MITIGATION MONITORING AND REPORTING PROGRAM

Section 21081.6 of the California Environmental Quality Act requires a Lead Agency to adopt a Mitigation Monitoring and Reporting Program (MMRP) whenever it approves a project for which measures have been required to mitigate or avoid significant effects on the environment. The purpose of the monitoring and reporting program is to ensure compliance with the mitigation measures during project implementation. This MMRP addresses how the mitigation measures will be implemented and includes a table that will be utilized by the County to document compliance.

The table below identifies the impacts and mitigation measures for the project. The information in this table is organized to correspond with environmental issues discussed in Chapter 4.0 of the EIR. Information in this table is provided in five columns: 1) Environmental Impact, 2) Mitigation Measure, 3) Responsibility and Method of Compliance, 4) Timing, and 5) Verification: Date and Documentation. For a complete description of potential impacts and recommended mitigation measures, please refer to the specific discussions in EIR Chapter 4.0.

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| 4.1 AESTHETICS/VISUAL | | | | |
| <p>VIS-1: Nighttime construction for the proposed project would create a new source of light affecting nighttime views for adjacent residences.</p> | <p>VIS-1: Contract specifications shall require that flood lighting be placed in a manner such that the light will be cast downward and confined to the immediate work area. In addition, lights will be shielded to prevent stray light. County staff may require photometric analysis if necessary to properly evaluate the proposed lighting.</p> | <p>Marin County Department of Public Works (DPW) shall require that the contract specifications include lighting specifications.</p> <p>The project contractor shall comply with lighting requirements and Marin County DPW shall monitor compliance during nighttime construction.</p> | <p>Prior to construction and during any nighttime construction work.</p> | |
| 4.2 AIR QUALITY | | | | |
| <p>AIR-1: Construction of the proposed project would generate air pollutant emissions that could violate air quality standards.</p> | <p>AIR-1: The County of Marin and project contractor shall follow Basic Construction Mitigation Measures as recommended by the BAAQMD, including:</p> <ul style="list-style-type: none"> • All exposed surfaces (e.g., parking areas, staging areas, soil piles, graded areas, and unpaved access roads) shall be watered two times per day. • All haul trucks transporting soil, sand, or other loose material off-site shall be covered. • All visible mud or dirt tracked-out onto adjacent public roads shall be removed using wet power vacuum street sweepers at least once per day. The use of dry power sweeping is prohibited. • All vehicle speeds on unpaved roads shall be limited to 15 mph. • All roadways, driveways, and sidewalks to be paved shall be completed as soon as possible. | <p>Marin County DPW shall require that the contract specifications include the dust control requirements.</p> <p>The project contractor shall comply with the dust control provisions, and Marin County DPW shall monitor the site for compliance.</p> | <p>Prior to and throughout the construction period.</p> | |

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| | <ul style="list-style-type: none"> • Idling times shall be minimized either by shutting equipment off when not in use or reducing the maximum idling time to 5 minutes (as required by the California airborne toxics control measure Title 13, Section 2485 of California Code of Regulations [CCR]). Clear signage shall be provided for construction workers at all access points. • All construction equipment shall be maintained and properly tuned in accordance with manufacturer’s specifications. All equipment shall be checked by a certified mechanic and determined to be running in proper condition prior to operation. • A publicly visible sign shall be posted with the telephone number and person to contact at Marin County regarding dust complaints. This person shall respond and take corrective action within 48 hours. The BAAQMD phone number shall also be visible to ensure compliance with applicable regulations. | | | |
| 4.3 BIOLOGICAL RESOURCES | | | | |
| <p>BIO-1: Implementation of the proposed project could impact special-status bird species protected under the MBTA potentially nesting in and adjacent to the project site.</p> | <p>BIO-1: If construction work is scheduled during the breeding season (February through August), a qualified wildlife biologist shall conduct a pre-construction survey on and within 250 feet of the project site to determine if nesting birds are present. Pre-construction surveys shall not be required for construction work occurring during the non-breeding season from September through January. The pre-construction survey shall be conducted within 15 days prior to the start of work.</p> <p>If active nests are found in the work area, the biologist shall determine an appropriately- sized buffer around the nest in which no work shall be allowed until the young have successfully fledged or the nest is inactive. The size of the nest buffer shall be determined by the biologist and shall be based on the nesting species, the context of the nest site in relation to existing human activity and its sensitivity to disturbance, and the expected types of disturbance. No project construction</p> | <p>Marin County DPW shall contract with qualified biologist to survey, establish buffers and monitor compliance.</p> | <p>Prior to and during project construction.</p> | |

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| | <p>activities shall be allowed to occur within this zone until a qualified biologist has determined that all juveniles have fledged from occupied nests or the nest is no longer active.</p> | | | |
| <p>BIO-2: Implementation of the proposed project could impact federal and/or state listed salmonid species - Central California Coastal coho salmon, Central California Coast steelhead, and California Coastal chinook salmon.</p> | <p>BIO-2: A SWPPP, in accordance with the State Water Resources Control Board, National Pollutant Discharge Elimination System (NPDES) Construction General Permit, shall be prepared and implemented. The SWPPP shall include a wide range of Best Management Practices (BMPs) for controlling sediment and turbidity during construction. These BMPs should include the following measures to avoid impacts to salmonids:</p> <ul style="list-style-type: none"> • No fill material, including asphalt or concrete, shall be allowed to enter the stream. Any concrete structures (such as culvert 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 creek. Commercial sealants may be applied to the poured concrete surface where difficulty in excluding water flow for a long period may occur. If sealant is used, water shall be excluded from the site until the sealant is dry and fully cured according to the manufacturer's specifications. • No substances toxic to aquatic life shall be discharged into Wolfe Grade Creek or the stormwater drainage system of SFDB. • Hydroseed mixes used to stabilize disturbed areas shall not contain fertilizers. • Equipment maintenance and fueling areas shall be located at least 100 feet away from any creek bank. Fueling must be behind a containment barrier that shall prevent any | <p>Marin County DPW shall develop the SWPP and ensure BMPs are implemented by the project contractor during construction.</p> | <p>Prior to and during project construction.</p> | |

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| | <p>spilled or leaked fuel from running into the creek. All equipment servicing must occur within designated areas. All motorized equipment used during construction or demolition activities shall be checked for oil, fuel, and coolant leaks prior to initiating work. 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 impacting sensitive species, particularly salmon and steelhead.</p> <ul style="list-style-type: none"> The project's contractor shall prepare an emergency response and clean-up 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 hazardous materials in the work area. All maintenance crew personnel shall receive environmental training about the sensitive nature of the special-status species in the project vicinity. This training shall include descriptions of the special-status species and all project measures in place to protect the species during construction. Crews shall also be informed to stop all work and notify their supervisor or the project biologist if special-status species are observed within the project site. | | | |
| <p>BIO-3: Implementation of the proposed project could impact special-status amphibian and reptile species potentially present within the project area.</p> | <p>BIO-3: Implement Mitigation Measure BIO-2.</p> | <p>See BIO-2</p> | <p>See BIO-2</p> | |
| <p>BIO-4: Implementation of the proposed project could impact special-status roosting bat species potentially present within the project area.</p> | <p>BIO-4a: All suitable roost trees to be removed within the project area shall be surveyed for the presence of bat roosts by a qualified biologist. Surveys may entail direct inspection of the trees or nocturnal surveys. The survey shall occur no more than two weeks prior to the initiation of vegetation removal and ground disturbing activities. If no roosting habitat is present,</p> | <p>Marin County DPW shall contract with qualified biologist to conduct bat survey.</p> | <p>Prior to tree removal.</p> | |

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| | <p>then the tree shall be removed within two weeks following the survey.</p> <p>If active bat roosts are present, a qualified biologist shall determine the species of bats present and the type of roost (i.e., day roost, night roost, maternity roost). If the biologist determines that the roosting bats are not a special-status species and the roost is not being used as a maternity roost, then the bats may be evicted from the roost using methods developed by a biologist experienced in developing and implementing bat mitigation and exclusion plans.</p> | | | |
| BIO-4 (cont.) | <p>BIO-4b: If special-status bat species are found to be present or if the roost is determined to be a maternity roost for any species of bat, then a qualified biologist experienced in developing bat mitigation and exclusion plans shall develop a mitigation plan to compensate for the lost roost site.</p> <p>Removal of the roost shall only occur when the mitigation plan has been approved by CDFW and only when bats are not present in the roost. The mitigation plan shall detail the methods of excluding bats from the roost and the plans for a replacement roost in the vicinity of the project site. One replacement roost shall be provided for each roost impacted. The mitigation plan shall be submitted to CDFW for approval prior to implementation. The plan shall include: (1) a description of the species targeted for mitigation; (2) a description of the existing roost or roost sites; (3) methods to be used to exclude the bats if necessary; (4) methods to be used to secure the existing roost site to prevent its reuse prior to removal; (5) the location for a replacement roost structure; (6) design details for the construction of the replacement roost; (7) monitoring protocols for assessing replacement roost use; (8) a schedule for excluding bats, demolishing of the existing roost, and construction of the replacement roost; and (9) contingency measures to be implemented if the replacement roosts do not function as designed.</p> | Marin County DPW shall contract with qualified biologist to develop bat mitigation and exclusion plans. | Prior to tree removal. | |
| BIO-4 (cont.) | BIO-4c: Active bat roosts shall only be removed during seasons | Marin County DPW shall | During project | |

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| | when bats are active and the young are able to fly (March 1 - April 15, and August 1 - October 15). | ensure the project contractor complies with this measure. | construction. | |
| BIO-4 (cont.) | BIO-4d: Removal of trees surrounding roost trees shall be conducted in a manner to prevent the tree being removed from falling on or otherwise damaging the roost tree. | Marin County DPW shall ensure the project contractor complies with this measure. | During project construction. | |
| BIO-4 (cont.) | BIO-4e: No diesel or gas-powered equipment shall be stored or operated directly beneath a roost site. | Marin County DPW shall ensure the project contractor complies with this measure. | During project construction. | |
| BIO-4 (cont.) | BIO-4f: Under supervision of a qualified biologist, roost trees shall be removed in two steps, over two successive days: <ul style="list-style-type: none"> • Branches and limbs identified by the biologist should be removed on Day 1 (Disturbance). • The remainder of the tree should be removed on Day 2 (Removal). | Marin County DPW shall contract with qualified biologist to monitor removal of roost trees. | During project construction. | |
| BIO-4 (cont.) | BIO-4g: All construction activity in the vicinity of an active roost shall be limited to daylight hours. | Marin County DPW shall ensure the project contractor complies with this measure. | During project construction. | |
| BIO-5: Implementation of the proposed project would impact riparian habitat within the project area. | BIO-5a: Install protective fencing around and avoid excavating within the root zones of the willows and other riparian vegetation near the intersection of SFDB and McAllister Avenue. If impacts to the willows and riparian vegetation cannot be avoided, a Water Quality Certification permit from the RWQCB and/or a CDFW Streambed Alteration Agreement may be required. | Marin County DPW shall ensure the project contractor complies with this measure and obtain any necessary regulatory permits. | Prior to and during project construction. | |
| BIO-5 (cont.) | BIO-5b: If riparian plants, such as willows, are impacted during construction, the impacted riparian plants shall be replaced at an appropriate location at a minimum 3:1 ratio. | Marin County DPW shall be responsible for replacing riparian plants. | Following project construction. | |
| BIO-6: Implementation of the proposed project would impact seasonal wetlands and | BIO-6a: If the seasonal wetland ditch is determined to be jurisdictional and will be impacted by the project, Marin DPW shall obtain all required regulatory permits to conduct work | Marin County DPW shall obtain any necessary regulatory permits prior to | Prior to project construction. | |

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| other waters present within the project area. | activities within the ditch. Permits that may be required include a Section 401 Water Quality Certification from the RWQCB, a Section 404 permit from the Corps, and a Lake and Streambed Alteration Agreement from CDFW. | project construction. | | |
| BIO-6 (cont.) | BIO-6b: Marin County may need to mitigate for the loss of 45 square feet of seasonal wetlands associated with the filling of the potentially jurisdictional roadside wetland ditch by either establishing a new seasonal wetland ditch at a minimum 1:1 on-site replacement ratio within the vicinity of the SFDB project, applying a native wetland seed mix to a new or existing ditch, or enhancing a creek channel in the vicinity of the project. | Marin County DPW shall implement this measure to mitigate for any loss of wetlands. | Following construction. | |
| BIO-6 (cont.) | BIO-6c: Marin County shall implement all water quality protection measures contained in the SWPPP to prevent the direct and indirect release of soil and other construction materials into wetlands and streams. | Marin County DPW shall incorporate the water quality protection measures into contract specifications and ensure compliance during construction. The project contractor shall comply with the water quality protection measures. | During project construction. | |
| BIO-7: Implementation of the proposed project would impact native trees protected by the Marin County Tree Preservation Ordinance present within the project area. | BIO-7: The project shall comply with the requirements of the Marin County Tree Protection Ordinance, the Town of Ross Municipal Code Section 12.24.080(d) (replacement tree requirements), and the City of Larkspur ordinances 968, 906, 862, 877, and 772 (Tree Protections) for any tree loss under the proposed project. Consistent with the ordinances, trees of the same species as those impacted shall be replanted at a 3:1 replacement ratio. The replacement trees shall be 15-gallon specimens unless a certified arborist determines otherwise. Planted trees shall be maintained with browse protection and weed cloth around the root zones as needed, and regularly watered during the dry season until such time that a certified | Marin County DPW shall comply with the tree ordinance requirements and replace any impacted trees at a 3:1 replacement ratio. | Following construction. | |

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| | arborist has determined that they are sufficiently established to not require further maintenance or watering. | | | |
| 4.4 CULTURAL RESOURCES | | | | |
| <p>CULT-1: Project ground-disturbing activities could have a substantial adverse change on archaeological deposits that qualify as historical resources, as defined in CEQA Guidelines Section 15064.5, and could materially impair a pre-contact archaeological site.</p> | <p>CULT-1a: All project ground disturbance within 500 feet of the Sir Francis Drake Boulevard / La Cuesta Drive intersection that is 18 inches below surface shall be monitored by an archaeologist. Monitoring shall continue at this location until the archaeologist determines that there is a low potential for subsurface archaeological deposits. The archaeological monitoring shall be overseen by an archaeologist that meets or exceeds the Secretary of the Interior’s Professional Qualifications Standards in archaeology.</p> <p>Should an archaeological deposit be encountered during project subsurface construction, all ground-disturbing activities within 25 feet shall be redirected and the on-site archaeologist shall assess the deposit, consult with agencies as appropriate, and make recommendations for the treatment of the discovery. The County shall be notified by the construction contractor within 24 hours of the encounter. If found to be significant by the on-site archaeologist (i.e., eligible for listing in the California Register of Historical Resources), the County shall be responsible for funding and overseeing implementation of appropriate mitigation measures. Mitigation measures may include, but would not be limited to, recording the archaeological deposit, data recovery and analysis, and public outreach. Upon completion of the selected mitigations, a report documenting methods, findings, and recommendations shall be prepared and submitted to the County for review, and the final report shall be submitted to the Northwest Information Center at Sonoma State University. Significant archaeological materials shall be submitted to an appropriate local curation facility and used for future research and public interpretive displays, as appropriate.</p> | <p>Marin County DPW shall contract with a qualified archaeologist to conduct monitoring and document compliance.</p> | <p>During project construction.</p> | |
| CULT-1 (cont.) | CULT-1b: Should an archaeological deposit be encountered during project subsurface construction activities when an | Marin County DPW shall contract with a qualified | During project construction. | |

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| | <p>archaeological monitor is not on site, all ground-disturbing activities within 25 feet shall be redirected and a qualified archaeologist meeting the Secretary of the Interior’s Professional Qualifications Standards for Archeology contacted to assess the situation, determine if the deposit qualifies as a historical resource, consult with agencies as appropriate, and make recommendations for the treatment of the discovery. If the deposit is found to be significant (i.e., eligible for listing in the California Register of Historical Resources), the County shall be responsible for funding and implementing appropriate mitigation measures. Mitigation measures may include recordation of the archaeological deposit, data recovery and analysis, and public outreach regarding the scientific and cultural importance of the discovery. Upon completion of the selected mitigations, a report documenting methods, findings, and recommendations shall be prepared and submitted to the County for review, and the final report shall be submitted to the Northwest Information Center at Sonoma State University. Significant archaeological materials shall be submitted to an appropriate local curation facility and used for future research and public interpretive displays, as appropriate.</p> <p>The County shall inform its contractor(s) of the sensitivity of the project corridor for archaeological cultural resources and shall verify that the following directive has been included in the appropriate contract documents:</p> <p><i>“The subsurface of the construction site may be sensitive for Native American archaeological deposits and associated human remains. If archaeological deposits are encountered during project subsurface construction, all ground-disturbing activities within 25 feet shall be redirected and a qualified archaeologist contacted to assess the situation, determine if the deposit qualifies as a historical resource, consult with agencies as appropriate, and make recommendations for the treatment of the discovery. Project personnel shall not collect or move any archaeological materials. Archaeological deposits can include shellfish remains; bones; flakes of, and tools made from,</i></p> | <p>archaeologist to evaluate any discoveries, identify appropriate mitigation and document compliance.</p> <p>Marin County DPW shall include mitigation language in contract specifications and ensure that the project contractor complies during construction.</p> | | |

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| | <i>obsidian, chert, and basalt; and mortars and pestles. Contractor acknowledges and understands that excavation or removal of archaeological material is prohibited by law and constitutes a misdemeanor under California Public Resources Code, Section 5097.5."</i> | | | |
| <p>CULT-2: Project ground-disturbing activities could cause a substantial adverse change in the significance of an archaeological resource, as defined in CEQA Guidelines Section 15064.5, and could materially impair a pre-contact archaeological site.</p> | <p>CULT-2: Implement Mitigation Measures CULT-1a and CULT-1b.</p> | <p>See CULT-1a and CULT-1b</p> | <p>See CULT-1a and CULT-1b.</p> | |
| <p>CULT-3: Project ground-disturbing activities could directly or indirectly destroy a unique paleontological resource or site by unearthing or otherwise displacing fossils in Franciscan Complex bedrock that underlie the project corridor.</p> | <p>CULT-3: Should paleontological resources be encountered during project subsurface construction activities, all ground-disturbing activities within 25 feet shall be redirected and a qualified paleontologist contacted to assess the situation, consult with agencies as appropriate, and make recommendations for the treatment of the discovery. For purposes of this mitigation, a "qualified paleontologist" shall be an individual with the following qualifications: 1) a graduate degree in paleontology or geology and/or a person with a demonstrated publication record in peer-reviewed paleontological journals; 2) at least 2 years of professional experience related to paleontology; 3) proficiency in recognizing fossils in the field and determining their significance; 4) expertise in local geology, stratigraphy, and biostratigraphy; and 5) experience collecting vertebrate fossils in the field. If the paleontological resources are found to be significant and project activities cannot avoid them, measures shall be implemented to ensure that the project does not cause a substantial adverse change in the significance of the paleontological resource. Measures may include monitoring, recording the fossil locality, data recovery and analysis, a final</p> | <p>Marin County DPW shall contract with a qualified paleontologist to evaluate any discoveries, identify appropriate mitigation and document compliance.</p> <p>Marin County DPW shall include mitigation language in contract specifications and ensure that the project contractor complies during construction.</p> | <p>During project construction.</p> | |

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| | <p>report, and accessioning the fossil material and technical report to a paleontological repository. Upon completion of the assessment, a report documenting methods, findings, and recommendations shall be prepared and submitted to the County for review. If paleontological materials are recovered, this report also shall be submitted to a paleontological repository such as the University of California Museum of Paleontology, along with significant paleontological materials. Public educational outreach may also be appropriate.</p> <p>The County shall inform its contractor(s) of the sensitivity of the project site for paleontological resources and shall verify that the following directive has been included in the appropriate contract documents:</p> <p><i>“The subsurface of the construction site may be sensitive for fossils. If fossils are encountered during project subsurface construction, all ground-disturbing activities within 25 feet shall be redirected and a qualified paleontologist contacted to assess the situation, consult with agencies as appropriate, and make recommendations for the treatment of the discovery. Project personnel shall not collect or move any paleontological materials. Fossils can include plants and animals, and such trace fossil evidence of past life as tracks or plant imprints. Ancient marine sediments may contain invertebrate fossils such as snails, clam and oyster shells, sponges, and protozoa; and vertebrate fossils such as fish, whale, and sea lion bones. Contractor acknowledges and understands that excavation or removal of paleontological material is prohibited by law and constitutes a misdemeanor under California Public Resources Code, Section 5097.5.”</i></p> | | | |
| <p>CULT-4: Project ground-disturbing activities have the potential to unearth Native American human remains.</p> | <p>CULT-4: If human remains are identified during construction and cannot be preserved in place, the County shall fund 1) the removal and documentation of the human remains from the project corridor by a qualified archaeologist meeting the Secretary of the Interior’s Professional Qualifications Standards for Archaeology, 2) the scientific analysis of the remains by a</p> | <p>Marin County DPW shall contract with a qualified archaeologist to evaluate any human remains, identify appropriate mitigation and document</p> | <p>During project construction.</p> | |

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| | qualified archaeologist, should such analysis be permitted by the Native American Most Likely Descendant, and 3) the reburial of the remains, as appropriate. All excavation, analysis, and reburial of Native American human remains shall be done in consultation with the Native American Most Likely Descendant, as identified by the California Native American Heritage Commission. | compliance. | | |
| 4.5 GEOLOGY AND SOILS | | | | |
| GEO-1: Strong ground shaking at the project site could result in risks to humans and damage to property. | GEO-1: All grading plans, cut and fill slopes, compaction procedures, and retaining structures shall be designed by a licensed professional engineer and inspected during construction by a licensed professional engineer (or representative) or Certified Engineering Geologist (or representative). All designs shall be submitted to, and approved by, the Marin County Department of Public Works prior to implementation. | Marin County DPW shall contract with a licensed professional to design and inspect grading plans, cut and fill slopes, compaction procedures and retaining structures. | Prior to and during project construction. | |
| 4.6 GLOBAL CLIMATE CHANGE | | | | |
| GHG-1: Construction activities associated with the proposed project would produce substantial greenhouse gas emissions. | GHG-1a: Implement Mitigation Measure AIR-1. | See AIR-1 | See AIR-1 | |
| GHG-1 (cont.) | <p>GHG-1b: The County of Marin and the project contractor shall ensure the following measures are implemented through all construction contracts and specifications for the project:</p> <ul style="list-style-type: none"> • The idling time of diesel powered construction equipment shall be minimized to 2 minutes. • Low VOC (i.e., ROG) coatings beyond the local requirements (i.e., Regulation 8, Rule 3: Architectural Coatings) shall be used. • All construction equipment, diesel trucks, and generators shall be equipped with Best Available Control Technology for emission reductions of NO_x and PM. | <p>Marin County DPW shall require that the contract specifications include greenhouse gas emission provisions.</p> <p>The project contractor shall comply with the greenhouse gas emissions provisions, and Marin County DPW shall monitor the site for compliance.</p> | Prior to and throughout the construction period. | |

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| | <ul style="list-style-type: none"> All contractors shall use equipment that meets the ARB's most recent certification standard for off-road heavy-duty diesel engines. The project contractor shall use construction equipment that utilizes cleaner fuel and equipment. | | | |
| 4.7 HAZARDS | | | | |
| <p>HAZ-1: Project construction activities could encounter lead-based paint and residual groundwater contamination from adjacent hazardous materials release sites.</p> | <p>HAZ-1: Prior to construction, the contractor shall prepare a Construction Risk Management Plan (CRMP) to protect construction workers, the general public, and the environment from hazardous materials that could be disturbed during roadway rehabilitation and trench dewatering activities. The CRMP shall be reviewed and approved by Marin County Department of Public Works prior to the start of construction. The CRMP shall include specific construction worker health and safety requirements and procedures for managing hazardous materials in accordance with applicable laws, regulations, and permit requirements. The CRMP shall also include contingency measures in case unknown contamination is encountered during construction. The CRMP shall specifically include the following:</p> <ul style="list-style-type: none"> Procedures for testing and managing lead-based paint in yellow paint striping and markings that will be disturbed on existing roadways (if any); Procedures for storing extracted groundwater, if any, adjacent to former leaking underground storage tank sites in Baker tank(s) until chemically characterized to determine the appropriate treatment requirements (if necessary) for discharge or disposal; Procedures for identifying, testing, and managing soil and groundwater suspected of containing hazardous materials (if any) that have not previously been identified at the site; and Identification of personnel responsible for implementation of the CRMP. | <p>Marin County DPW shall incorporate this measure into contract specifications, review the CRMP, and ensure compliance during construction.</p> <p>The project contractor shall prepare the CRMP and implement it during construction.</p> | <p>Prior to and during project construction.</p> | |

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| 4.8 HYDROLOGY | | | | |
| HYD-1: Project construction activities could generate non-stormwater discharges of contaminated dewatering effluent. | HYD-1: Implement Mitigation Measure HAZ-1. | See HAZ-1 | See HAZ-1 | |
| 4.10 NOISE | | | | |
| NOI-1: Construction period activities could create significant short-term noise impacts on noise sensitive properties adjacent to the project. | <p>NOI-1: The project contractor shall implement the following measures during construction of the project:</p> <ul style="list-style-type: none"> • Equip all construction equipment, fixed or mobile, with properly operating and maintained mufflers consistent with manufacturers’ standards. • Place all stationary construction equipment so that emitted noise is directed away from sensitive receptors nearest the active project site. • Locate equipment staging in areas that would create the greatest possible distance between construction-related noise sources and noise-sensitive receptors nearest the active project site during all project construction. • Ensure that all general construction related activities are restricted to 7:00 a.m. and 6:00 p.m. on weekdays, and between 9:00 a.m. and 5:00 p.m. on Saturdays. No construction shall be permitted on Sundays or holidays. To conduct work outside of these hours, the project sponsor shall obtain written permission from the Marin County Community Development Director or City of Larkspur Public Works Director demonstrating sufficient cause. • Temporary noise control blanket barriers shall be installed in a manner to shield adjacent land uses. • Designate a "disturbance coordinator" at Marin County who would be responsible for responding to any local complaints about construction noise. The disturbance coordinator would determine the cause of the noise complaint (e.g., | <p>Marin County DPW shall require that the contract specifications include the noise control measures.</p> <p>The project contractor shall comply with the noise control measures, and Marin County DPW shall monitor the site for compliance.</p> | During project construction. | |

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| | starting too early, bad muffler) and would determine and implement reasonable measures warranted to correct the problem. | | | |
| 4.11 PUBLIC SERVICES | | | | |
| <p>PSR-1: Construction of the proposed project could impact fire protection services by increasing emergency response time.</p> | <p>PSR-1: During the design phase, Marin County’s Resident Engineer shall require the contractor to coordinate all lane restrictions, roadway closures, and detour plans with law enforcement, fire protection, and emergency medical service providers to minimize temporary delays in emergency response times. Such coordination shall include the identification of alternative routes for emergency vehicles and routes across the construction area.</p> <p>The Traffic Control Plan shall specify that trained and equipped traffic management personnel (flaggers) will stop or divert routine traffic in order to accommodate the passing of Code 3 (lights and sirens) vehicles during construction. In addition, the fire departments/districts shall be notified for any change in traffic access during construction.</p> | <p>Marin County DPW shall incorporate this measure into contract specifications, and ensure compliance during construction.</p> <p>The project contractor shall prepare and implement the TCP, including coordination with emergency service providers.</p> | <p>Prior to and during project construction.</p> | |
| 4.12 TRAFFIC | | | | |
| <p>TR-1: Project-related construction activities could reduce travel speed due and conflict with measures of effectiveness.</p> | <p>TR-1: Prior to construction, the project contractor shall submit a Traffic Control Plan (TCP) to Marin County DPW for review and approval. During construction activities, the Marin County DPW and the project contractors working on the project shall adhere to all requirements of the TCP. Implementation of a TCP would maintain travel speeds to the extent possible during construction. The TCP shall include the following:</p> <ul style="list-style-type: none"> The route selection for movement of heavy equipment in the project vicinity shall be coordinated with the Marin County DPW, Marin County Sheriff’s Department, and Police Departments for applicable cities and unincorporated communities (City of Larkspur and Town of Ross) to minimize traffic and physical road impacts. Truck drivers shall be notified and be required to use the most direct route between the project site and Highway 101. | <p>Marin County DPW shall incorporate this measure into contract specifications, review and approve the TCP and ensure compliance during construction.</p> <p>The project contractor shall prepare and implement the TCP.</p> | <p>Prior to and during project construction.</p> | |

| Environmental Impact | Mitigation Measure | Responsibility and Method of Compliance | Timing | Verification: Completion Date and Documentation |
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| | <ul style="list-style-type: none"> • Heavy equipment transport, material transportation, or exportation to and from the project site shall not occur during weekday commute peak traffic periods and shall be coordinated by the contractor with the Marin County DPW, Marin County Sheriff’s Department, and relevant city/town police departments. • The TCP will define the use of flaggers, warning signs, lights, barricades, and cones, etc., according to standard guidelines required by the County, City of Larkspur, and Town of Ross as appropriate. Further, the contractor will maintain the work site, including traffic control, in a safe condition at all times, even outside of normal work hours. In addition, the TCP shall prohibit lane closure within any intersections along the corridor during the a.m. and p.m. peak periods (i.e., from 7:00 a.m. to 9:00 a.m. and from 4:00 p.m. to 6:00 p.m.). Prior to the start of these peak periods, the contractor shall cover any open trenches and remove all construction equipment such that all lanes within the intersection are available for vehicular traffic during the peak periods. • Paving activities, which are the most intrusive, will occur between the hours of 6:00 p.m. and 6:00 a.m. • Construction activities completed within public street rights-of-way would require the use of a traffic control service, and any lane closures or traffic control measures would be consistent with those published in the <i>California Joint Utility Traffic Control Manual</i> (California Inter-Utility Coordinating Committee 2010). Implementing measures contained within the <i>California Joint Utility Traffic Control Manual</i> would facilitate safe passage of both construction vehicles and private vehicles. • Debris and mud on SFDB caused by trucks shall be monitored daily, and a roadway cleaning program shall be instituted as necessary. | | | |
| <p>TR-4: Construction of the project could result in</p> | <p>TR-2: A schedule of construction activities and the Traffic Control Plan (TCP) prepared per Mitigation Measure TR-1 shall</p> | <p>Marin County DPW shall provide a schedule of</p> | <p>Prior to project</p> | |

| Environmental Impact | Mitigation Measure | Responsibility and Method of Compliance | Timing | Verification: Completion Date and Documentation |
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| inadequate emergency access. | be provided to any pertinent local emergency service providers, including the Marin County Fire Department, Marin County Sheriff's Department, City of Larkspur Police and Fire Departments, Town of Ross Police Department, Ross Valley Fire Department, and paramedics. | construction activities and the TCP to the pertinent emergency service providers. | construction. | |
| TR-5: Construction of the project could affect transit service through the project area during the construction period. | TR-3: Prior to the start of the construction activities, MCTD and Golden Gate Transit Services shall be provided with detailed information regarding construction delays to plan a route deviation and/or notify passengers. Additionally, Mitigation Measure TR-1 would limit travel delays by restricting lane closures to off-peak periods. | Marin County DPW shall provide a schedule of construction activities and the TCP to the pertinent transit service providers. | Prior to project construction. | |

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