Mirada Road Pedestrian Bridge Replacement and Bank Stabilization County of San Mateo Department of Public Works Mitigation Monitoring & Reporting Program				
Impact	Mitigation Measure	Mitigation Action(s)	Mitigation Timing	Action/ Oversight Responsibility
<b>Biological Resources</b>	•			· · · · · · · · · · · · · · · · · · ·
<b>Impact BIO-1:</b> The proposed project could result in potentially significant impacts to special-status species during construction activities. Implementation of mitigation measures BIO-1A through BIO-1E would reduce impacts to special-status species during construction to a less-than-significant level.	<b>BIO-1A:</b> Prior to construction activities, the project proponent shall retain a qualified biologist to conduct an Employee Education Program for the construction crew. The biologist shall meet with the construction crew at the project site at the onset of construction to educate the construction crew on the following: 1) the appropriate access route(s) in and out of the construction area and a review of the project boundaries; 2) all special-status species that may be present, their habitat, and proper identification; 3) the specific mitigation measures that will be incorporated into the construction effort; 4) the general provisions and protections afforded by the regulatory agencies; and 5) the proper procedures if a special-status species is encountered within the project site.	Project proponent to retain qualified biologist to conduct Employee Education Program for the construction crew.	Prior to construction activities.	Qualified biologist to meet with construction crew; oversight by County.
	<b>BIO-1B:</b> If possible, construction shall be scheduled between September 16 and January 31 to avoid the nesting season for raptors and other migratory birds. If this is not possible, pre-construction surveys for nesting raptors and other migratory birds shall be conducted by a qualified biologist or ornithologist to identify active nests that may be disturbed during project implementation onsite and within 250 feet of the site. The survey area of 250 feet is a typical distance that could be reduced or expanded at the discretion of the qualified biologist/ornithologist. Between February 1 and September 15, pre-construction surveys shall be conducted for raptors and nesting birds within 14 days prior to the initiation of ground disturbing activities. Pre- construction surveys will be conducted by a qualified biologist/ornithologist for nesting birds and raptors within the onsite trees as well as all trees within 250 feet of the site.	Contractor to schedule construction activities outside of nesting season (between September 16 through January 31st). If construction cannot be rescheduled, qualified biologist/ ornithologist to conduct preconstruction surveys and establish construction-free buffer zones as needed.	Within 14 days prior to the initiation of ground disturbing activities.	Qualified biologist/ ornithologist to conduct surveys and establish buffer zones; oversight by County.

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	If an active nest is found in or close enough to the construction area to be disturbed by these activities, the biologist/ornithologist, shall designate a construction-free buffer zone around the nest. Buffer distances will be determined by the qualified biologist/ornithologist. The construction-free buffer zone shall be maintained until after the breeding season has ended and/or a qualified biologist/ornithologist has determined that the young birds have fledged. <b>BIO-1C:</b> To reduce potential impacts to special-status plant species with the potential to occur on site prior to the start of construction, a qualified botanist shall conduct surveys for sensitive plant species. Surveys shall be conducted in accordance with <i>California Department of Fish and Wildlife's (CDFW) Protocols for Surveying and Evaluating Impacts to Special Status Native Plant Populations and Natural Communities.</i> If any special-status plant species are identified within the area of potential impact, they shall be avoided when possible or transplanted to appropriate areas in or adjacent to the project site prior to the initiation of construction activities and monitored annually for three years. If the transplanted species fail to survive during this monitoring period, they shall be replaced at a ratio of 1:1 and the three-year monitoring period shall re-commence. If the plants cannot be transplanted to another portion of the property, an alternate location near the project site may be utilized with permission of the landowner.	Qualified botanist to conduct surveys for sensitive plant species during the appropriate blooming season. If any special-status plant species are identified within the area of potential impact, contractor to avoid when possible. Qualified botanist to conduct transplanting and monitor success.	Prior to the start of construction.	Qualified biologist to conduct surveys and any plantings; oversight by County.
<b>Impact BIO-2:</b> The proposed project may result in impacts to sensitive riparian habitat	<b>BIO-2A:</b> The project contractor shall implement applicable Best Management Practices (BMPs) and conservation measures detailed in the County of San Mateo Watershed Protection Program's Maintenance Standards and the San	Project contractor to implement applicable BMPs and conservation measures.	Prior to and during construction activities.	Contractor to implement BMPs; oversight by County.

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through habitat modification. Impacts to sensitive habitat would be considered a potentially significant impact. This impact can be reduced to a less-than-significant level through implementation of mitigation measures BIO-2A through BIO-2F identified below.	<ul> <li>Mateo Countywide Pollution Prevention Program Construction BMPs during construction.</li> <li>BIO-2B: To protect water quality during construction, include the following measures on the construction specifications, with construction oversight by a qualified biological monitor: <ul> <li>Stationary equipment such as motors, generators, and welders located within 100 feet of the stream shall be stored overnight at staging areas and will be positioned over drip pans.</li> <li>Any hazardous or toxic materials deleterious to aquatic life that could be washed into a basin shall be contained in watertight containers or removed from the project site.</li> </ul> </li> <li>All construction debris and associated materials stored in staging areas shall be removed from the work site upon completion of the project.</li> <li>Whenever possible, refueling of equipment shall take place within turnouts or staging areas at least 50 feet from the top of bank or other wetland.</li> <li>All refueling shall be conducted over plastic bags filled with sawdust or other highly absorbent material. Clean-up materials for spills will be kept on hand at all times. Any accidental spills of fuel or other contaminants will be cleaned up immediately.</li> </ul>	Implement identified measures on all construction specifications.	During construction	Contractor to implement water quality measures; oversight by qualified biological monitor.
	fencing prior to and during construction to keep construction equipment and personnel from impacting riparian vegetation outside of work limits. A qualified	install protective fencing. Measure shall be	during construction.	install protective fencing; qualified biological

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	biological monitor with the education and experience necessary to delineate riparian vegetation shall supervise the installation of protective fencing. This measure shall be included in the project's plans and specifications.	included in project's plans and specifications.		monitor to supervise/oversee.
	<b>BIO-2D:</b> For project activities that impact the riparian corridor (bed and bank features) of Arroyo de en Medio the project proponent shall consult with CDFW and, if required, shall acquire any necessary permits for project activities. The project proponent shall comply with all the conditions of permits issued for the project. Conditions may include, but are not limited to: development of revegetation and restoration plans and procedures, environmental awareness training, pre-construction wildlife surveys, and/or biological monitoring.	Project proponent to consult with CDFW and acquire any necessary permits for project activities.	Prior to project activities that impact the riparian corridor.	County to obtain permit from CDFW if needed; oversight by CDFW.
	<b>BIO-2E:</b> The project proponent shall obtain a Coastal Development Permit as required for project activities. The project proponent shall comply with all conditions of permit issued for the project. Conditions may include, but are not limited to, development of revegetation and restoration plans and procedures, environmental awareness training, pre-construction wildlife surveys, and/or biological monitoring.	Project proponent to obtain a Coastal Development Permit.	Prior to construction.	County to obtain permit from California Coastal Commission (CCC) if needed; oversight by CCC.
	<b>BIO-2F:</b> All disturbed areas shall be revegetated with an appropriate native seed mix.	Contractor to revegetate disturbed areas with appropriate native seed mix.	Following construction.	Contractor to revegetate; oversight by County.
<b>Impact BIO-3:</b> The proposed project may result in impacts to wetlands and other waters	<b>BIO-3A:</b> Impacts to areas of wetland and other water shall be avoided to the greatest extent possible. If impacts to areas of wetlands and other water is unavoidable, the area impacted shall be confined to the smallest area possible.	Contractor to avoid wetland areas and other water to the extent possible.	Prior to and during construction.	Contractor to avoid wetlands; oversight by County.
potentially under the jurisdiction of the USACE, CCC, and/or	<b>BIO-3B:</b> For project activities that impact wetlands or other waters requiring permits from United States Army Corps of Engineers (USACE) and the Regional Water Quality	Project proponent to obtain permits from USACE and RWQCB,	Prior to project activities that	County to obtain permits from USACE and

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RWQCB. Impacts to wetlands and other waters would be a potentially significant impact. This	Control Board (RWQCB), the project proponent shall obtain permits and comply with all permit requirements.	and comply with permit requirements. See also Mitigation BIO-2E above.	impact wetlands or other waters.	RWQCB; oversight by USACE and RWQCB.	
impact can be reduced to a less-than-significant level through implementation of mitigation measures BIO-2A through BIO-2C, identified above, and BIO-3A through BIO-3D below.	<b>BIO-3C:</b> If water is present in the creek during construction activities, the water shall be diverted around the work area to isolate it to prevent pollutant from entering and protect water quality. To isolate the work area, water-tight cofferdams shall be constructed upstream and downstream of the work area and water diverted through a suitably sized pipe, from upstream of the upstream cofferdam and discharged downstream of the downstream cofferdam. Cofferdams shall be constructed of a non-erodible material which does not contain soil or fine sediment. Cofferdams and the stream diversion system shall remain in place and functional throughout the construction period. If the cofferdams or stream diversions shall be done in a manner that prevents pollution and/or siltation and that provides flows to downstream reaches. Flows to downstream reaches shall mimic natural flow patterns. Said flows shall be of sufficient quality and quantity and appropriate temperature to support fish and other aquatic life both above and below the diversion structure. The water diversion shall be constructed with the least amount of disruption to the channel.	If present in the creek, water to be diverted around the work area using water-tight cofferdams.	During construction activities.	Contractor to divert any water present in the creek; oversight by County.	
	<b>BIO-3D:</b> All contaminated (including muddy) water from construction activities shall be pumped into a holding facility or into a settling pond located in flat stable areas outside of the stream channel.	Contaminated water to be pumped into a holding facility or into a settling pond.	During and following construction activities.	Contractor to pump water into a holding facility; oversight by County.	
Cultural Resources					
<b>Impact CR-1</b> : Should the project require excavation	<b>CR-1:</b> If the project requires excavation near or on the top surface of the adjacent coastal terrace (i.e., the dark native	County to retain qualified archaeologist to monitor	During excavation	Archaeologist to monitor	

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near or on the top surface of the adjacent coastal terrace (i.e., the dark native strata at the top of the beach cliff), it is possible that prehistoric or historic archaeological resources could be encountered. This impact will be reduced to a less- than-significant level with implementation of the following mitigation.	strata at the top of the beach cliff), the County shall retain a qualified archaeologist to monitor excavation activities, identify any resources encountered, and develop and implement appropriate recommendations.	excavation activities, identify any resources encountered, and develop and implement recommendations.	activities near or on top of the surface of the adjacent coastal terrace.	excavation activities.
<b>Impact CR-2</b> : Human remains could be encountered during excavation activities. This impact will be reduced to a less-than- significant level with implementation of the following mitigation.	<b>CR-2:</b> In the event that human remains are discovered during construction, the contractor shall cease all excavation or disturbance of the site or any nearby area reasonably suspected to overlie adjacent remains. The San Mateo County Coroner shall be notified and shall make a determination as to whether the remains are Native American. If the Coroner determines that the remains are not subject to his authority, Coroner shall notify the Native American Heritage Commission to identify descendants of the deceased Native American.	Contractor to cease all excavation or disturbance of the site or nearby areas and notify San Mateo County Coroner.	During construction, if human remains are discovered.	Coroner to determine if remains are Native American and if so, notify NAHC to identify most likely descendants; oversight by County.