

PRUNEDALE ROUNDABOUT PROJECT MITIGATION MONITORING AND REPORTING PROGRAM

Mitigation Measure	Requirements of Measure	Compliance Method	Verification Timing	Responsible Party
<i>Air Quality</i>				
MM AQ-1	<p>The following measures shall be implemented and shown on project specifications to minimize construction equipment-generated emissions:</p> <ol style="list-style-type: none"> 1. Substitute alternative-fueled or catalyst-equipped diesel construction equipment, when available. 2. Minimize idling time to not exceed 5 minutes, to the maximum extent feasible. 3. Minimize the hours of operation of heavy-duty equipment and/or the amount of equipment in use to the greatest extent feasible. 4. Replace fossil-fueled equipment with electrically driven equivalents (provided they are not run through a portable generator set) when available. 5. Implement activity management (e.g., reschedule activities to reduce short-term impacts). 	Implement the following measures and show on project specifications	Prior to and during construction	County of Monterey, construction contractor
MM AQ-2	<p>The following measures shall be implemented and shown on project specifications to minimize construction-generated dust emissions:</p> <ol style="list-style-type: none"> 1. Water unpaved construction areas as needed. Frequency should be based on the type of operation, soil, and wind exposure. 2. Prohibit all grading activities during periods of high wind (over 15 miles per hour). 3. Hydroseed exposed areas after cut and fill operations. 4. Haul trucks shall maintain at least 2 feet of freeboard. 5. Cover all trucks hauling dirt, sand, or loose materials. 6. Cover inactive storage piles. 7. Sweep streets if visible soil material is carried out from the construction site. 8. Post a publicly visible sign that 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 Air Resources District shall be visible to ensure compliance with Rule 402 (Nuisance). 	Implement the following measures and show on project specifications	Prior to and during construction	County of Monterey, construction contractor

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MM AQ-3	Prior to initiation of demolition and ground-disturbing activities, the County of Monterey shall retain a Certified Asbestos Consultant to conduct a thorough inspection of the roadway and culverts proposed for demolition and removal to determine if asbestos-containing material (ACM) is present. If asbestos is determined to be present within the materials proposed for demolition and/or removal, proposed activities shall be conducted in accordance with the requirements stipulated in the National Emission Standards for Hazardous Air Pollutants (NESHAP) (40 Code of Federal Regulations 61, Subpart M – Asbestos).	Retain a Certified Asbestos Consultant to conduct an inspection	Prior to initiation of demolition and ground-disturbing activities	County of Monterey
Biological Resources				
MM BIO-1	Wildlife Exclusion Fencing. For any construction activities that occur during the wet season (November–April), the construction contractor shall install temporary wildlife exclusion fencing approved by the County of Monterey (County) along the northbound lane of San Miguel Canyon Road, entirely within the County right-of-way, to separate the project site from potential wetland and riparian habitat mapped to the southeast of the project site and prevent special-status amphibian species from entering the project site during construction activities.	Install temporary wildlife exclusion fencing	For any construction activities that occur during the wet season (November–April)	County of Monterey, construction contractor
MM BIO-2	Nesting Birds. Prior to initiation of any site preparation/construction activities, if work is planned to occur between February 1 and September 15, a qualified biologist shall survey the area for nesting birds within 1 week prior to initial project activity beginning, including ground disturbance and/or vegetation removal/trimming. If nesting birds are located on or near the proposed project site, they shall be avoided until they have successfully fledged, or the nest is no longer deemed active, as detailed below: <ol style="list-style-type: none"> 1. A 50-foot exclusion zone shall be implemented for non-listed, passerine species, and a 250-foot exclusion zone will be implemented for raptor species. Each exclusion zone shall encircle the nest and have a radius of 50 feet (non-listed passerine species) or 250 feet (raptor species). All project activities, including foot and vehicle traffic and storage of supplies and equipment, are prohibited inside exclusion zones. Exclusion zones shall be maintained until all exterior construction activities have been terminated for the current phase of work (e.g., if initial site improvements are completed, exclusion zones may be removed until initiation of site preparation for residence construction begins), or it has been determined by a qualified biologist that the young have fledged or that proposed project activities would not cause adverse impacts to the nest, adults, eggs, or young. 2. If special-status avian species are identified and nesting within the work area, no work will begin until an appropriate exclusion zone is determined in consultation with the County of Monterey and any relevant resource agencies. <p>The results of the survey shall be provided to the County of Monterey prior to initiation of site preparation/construction activities. The results shall detail appropriate fencing or flagging of exclusion zones and include recommendations for</p>	A qualified biologist shall survey the area for nesting birds; implement buffer areas based on findings	Within 1 week prior to initiation of any site preparation/construction activities, if work is planned to occur between February 1 and September 15	County of Monterey, construction contractor

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	additional monitoring requirements. A map of the project site and nest locations shall be included with the results. The qualified biologist conducting the nesting survey shall have the authority to reduce or increase the recommended exclusion zone depending on site conditions and species (if non-listed).			
Cultural Resources				
MM CR-1	In the event that cultural resources are encountered during project activities, all ground-disturbing activities within a 25-foot radius of the find shall cease and the County of Monterey shall be notified immediately. Work shall not continue until a qualified archaeologist assesses the find and determines the need for further study. If the find includes Native American-affiliated materials, a local Native American tribal representative will be contacted to work in conjunction with the approved archaeologist to determine the need for further study. A standard inadvertent discovery clause shall be included in every grading and construction contract to inform contractors of this requirement.	Cease work and assess the find	During construction activities	County of Monterey, construction contractor
Noise				
MM N-1	For the entire duration of the construction phase of the project, the following noise reduction measures shall be implemented to ensure that noise levels are maintained within levels allowed by Chapter 10.60 (Noise Control) of the County of Monterey Municipal Code: <ol style="list-style-type: none"> 1. Stationary construction equipment that generates noise that exceeds 65 A-weighted decibels (dBA) at the project boundaries shall be shielded with the most modern noise control devices (i.e., mufflers, lagging, and/or motor enclosures). 2. Impact tools (e.g., jackhammers, pavement breakers, rock drills, etc.) used for project construction shall be hydraulically or electrically powered wherever possible to avoid noise associated with compressed air exhaust from pneumatically powered tools. 3. Where use of pneumatic tools is unavoidable, an exhaust muffler on the compressed air exhaust shall be used. 4. All construction equipment shall have the manufacturers' recommended noise abatement methods installed, such as mufflers, engine enclosures, and engine vibration insulators, intact and operational. 5. All construction equipment shall undergo inspection at periodic intervals to ensure proper maintenance and presence of noise control devices (e.g., mufflers, shrouding, etc.). The project contractor shall inform residents at properties within 300 feet of the project of proposed construction timelines and noise compliant procedures to minimize potential annoyance related to construction noise.	Implement noise reduction measures	During construction activities	County of Monterey, construction contractor

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