

## MITIGATION MONITORING AND REPORTING PROGRAM

Mitigation Measure	Requirements of Measure	Compliance Method	Verification Timing	Responsible Party
<b><i>Air Quality</i></b>				
AQ-1	<p>The following measures shall be implemented and shown on grading and building plans to minimize construction-generated fugitive dust emissions:</p> <ol style="list-style-type: none"> <li>a. All disturbed areas, including storage piles, which are not being actively utilized for construction purposes, shall be effectively stabilized of dust emissions using water, using a chemical stabilizer/suppressant, or covered with a tarp or other suitable cover or vegetative ground cover;</li> <li>b. All on-site unpaved roads and off-site unpaved access roads shall be effectively stabilized of dust emissions using water or SJVAPCD-approved chemical stabilizer/suppressant;</li> <li>c. All land clearing, grubbing, scraping, excavation, land leveling, grading, cut and fill, and demolition activities shall be effectively controlled of fugitive dust emissions utilizing application of water or by presoaking;</li> <li>d. When materials are transported off-site, all material shall be covered, or effectively wetted to limit visible dust emissions, and at least 6 inches of freeboard space from the tip of the container shall be maintained;</li> <li>e. All operations shall limit or expeditiously remove the accumulation of mud or dirt from adjacent public streets at the end of each workday. The use of dry rotary brushes is expressly prohibited except where preceded or accompanied by sufficient wetting to limit the visible dust emissions. Use of blower devices is expressly forbidden;</li> <li>f. Following the addition of materials to, or the removal of materials from, the surface of outdoor storage piles, said piles shall be effectively stabilized of fugitive dust emissions utilizing sufficient water or chemical stabilizer/suppressant;</li> <li>g. Within urban areas, track out shall be immediately removed when it extends 50 or more feet from the site and at the end of each workday;</li> <li>h. Any site with 150 or more vehicle trips per day shall prevent carryout and track out;</li> <li>i. Limit traffic speeds on unpaved roads to 15 miles per hour (mph);</li> <li>j. Install sandbags or other erosion control measures to prevent silt runoff to public roadways from sites with a slope greater than 1 percent;</li> <li>k. Install wheel washers for all exiting trucks, or wash off all trucks and equipment leaving the site;</li> </ol>	Incorporation of specifications on construction plans	Prior to issuance of construction permits	City/Contractor

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	<ul style="list-style-type: none"> <li>l. Install wind breaks at windward side(s) of construction areas;</li> <li>m. Suspend excavation and grading activity when winds exceed 20 mph; and</li> <li>n. Limit area subject to excavation, grading, and other construction activity at any one time.</li> </ul>			
AQ-2	<p>The following measures shall be implemented and shown on grading and building plans to minimize construction equipment-generated emissions:</p> <ul style="list-style-type: none"> <li>a. Substitute alternative fueled or catalyst equipped diesel construction equipment, when available;</li> <li>b. Utilize the cleanest available off-road construction equipment, including the latest tier equipment;</li> <li>c. Minimize idling time to not exceed 10 minutes;</li> <li>d. Minimize the hours of operation of heavy-duty equipment and/or the amount of equipment in use to the greatest extent feasible;</li> <li>e. Replace fossil-fueled equipment with electrically driven equivalents (provided they are not run through a portable generator set) when available;</li> <li>f. Curtail construction during periods of high ambient pollutant concentrations if feasible; this may include ceasing of construction activity during the peak-hour of vehicular traffic on adjacent roadways; and</li> <li>g. Implement activity management (e.g., reschedule activities to reduce short-term impacts).</li> </ul>	Incorporation of specifications on construction plans	Prior to ground disturbance	City/Contractor
AQ-3	<p><b>Asbestos-Containing Material.</b> An asbestos-containing material (ACM) survey consisting of a visual inspection, sampling, testing, and reporting shall be performed by a Certified Asbestos Consultant to determine if building materials contain ACM and would require special handling and disposal during demolition. If ACM is detected, proposed construction activities shall be conducted in full compliance with the requirements stipulated in the National Emission Standards for Hazardous Air Pollutants (NESHAP; 40 Code of Federal Regulations [CFR] 61, Subpart M – National Emission Standard for Asbestos). These requirements include, but are not limited to, the following:</p> <ul style="list-style-type: none"> <li>a. Written notification, within at least 10 business days of activities commencing, to the San Joaquin Valley Air Pollution Control District;</li> <li>b. Preparation of an asbestos survey conducted by a Certified Asbestos Consultant; and</li> <li>c. Implementation of applicable removal and disposal protocol and requirements for identified naturally occurring asbestos.</li> </ul>	Complete an asbestos-containing material survey consisting of a visual inspection, sampling, testing, and reporting	Prior to demolition	City/Contractor
AQ-4	<p><b>Lead-Based Paint.</b> A lead-based paint (LBP) survey consisting of a visual inspection, sampling, testing, and reporting shall be performed to determine if building materials within the project site contain LBP. If elevated concentrations of metals from LBP are</p>	Complete a lead-based paint survey consisting of a	Prior to demolition	City/Contractor

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	detected, construction activities shall be conducted in full compliance with the requirements of Sections 402 and 406 of the Toxic Substances Control Act.	visual inspection, sampling, testing, and reporting		
<b>Biological Resources</b>				
BIO-1	Prior to initiation of any site preparation/construction activities, the City of Coalinga shall prepare and supply a PowerPoint presentation and sign-in sheets for all construction personnel. All individuals who will be involved in site preparation or construction activities shall be required to review the PowerPoint presentation and acknowledge they reviewed the materials through the sign-in sheets. At a minimum, the presentation shall include a description of the natural history of the species with the potential to be affected by the proposed project and their habitats, the general measures that are being implemented to conserve these species as they relate to the proposed project, the penalties for non-compliance, and the boundaries of the work area within which the project must be accomplished. To ensure that employees and contractors understand their roles and responsibilities, training may have to be conducted in languages other than English. The sign-in sheets shall be returned to the City of Coalinga Planning Department.	The City of Coalinga shall prepare and supply a worker awareness training.	Prior to initiation of any site preparation/construction activities	City/Contractor
BIO-2	Prior to initiation of any site preparation and/or construction activities, the City of Coalinga shall retain a qualified on-call biological monitor to provide oversight over ground-disturbing construction activities and implementation of avoidance and minimization efforts. The monitor shall coordinate with the City of Coalinga Resident Engineer regarding any special-status species detections or requests to stop construction activities.	The City of Coalinga shall retain a qualified on-call biological monitor	Prior to initiation of any site preparation and/or construction activities	City/Contractor
BIO-3	Within 30 days prior to any ground disturbance, a preconstruction survey shall be conducted by a qualified biologist for special-status species that have the potential to occur within the project area. A letter report documenting the results of the preconstruction surveys shall be prepared and submitted to the City of Coalinga Planning Department for review and approval. If special-status species are identified during preconstruction surveys, project activities shall be modified (if necessary) and implemented in a manner that avoids all direct and indirect effects to these species. The City of Coalinga shall coordinate with the California Department of Fish and Wildlife, if necessary, to identify appropriate methods for avoiding all direct and indirect effects to special-status species within the project area.	A preconstruction survey shall be conducted by a qualified biologist for special-status species	Within 30 days prior to any ground disturbance	City/Contractor
BIO-4	Prior to or during project activities, if any observations are made of San Joaquin kit fox, or any known or potential San Joaquin kit fox dens are discovered within the project limits, the qualified biologist will notify the City of Coalinga, and the City of Coalinga shall contact the U.S. Fish and Wildlife Service to discuss ways to proceed with the project and avoid take. All work will stop until such time that the City of Coalinga in coordination with the U.S. Fish and Wildlife Service determines that it is appropriate to resume work.	The qualified biologist will notify the City of Coalinga	Prior to or during project activities; If any observations are made of San Joaquin kit fox, or any known or potential San Joaquin kit fox dens	City/Contractor
BIO-5	Prior to and during any site preparation and/or construction activities associated with the proposed project, the City of Coalinga and/or the project contractor shall implement the following conservation measures:	Implement the identified measures	Prior to and during any site preparation and/or construction activities	City/Contractor

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	<ul style="list-style-type: none"> <li>a. Project employees will be directed to exercise caution when commuting within unpaved project areas. A 20-mile-per-hour speed limit will be enforced on unpaved roads.</li> <li>b. Project employees will be provided written guidance governing vehicle use, speed limits on unpaved roads, fire prevention, and other hazards.</li> <li>c. A litter control program shall be instituted at the project site. All workers shall ensure their food scraps, paper wrappers, food containers, cans, bottles, and other trash from the project area are deposited in covered or closed trash containers. The trash containers shall be removed from the project area at the end of each working day.</li> <li>d. No canine or feline pets or firearms (except for federal, state, or local law enforcement officers and security personnel) shall be permitted on construction sites to avoid harassment, killing, or injuring of listed species.</li> <li>e. At the end of each working day, maintenance and construction excavations greater than 2 feet deep shall be covered, filled-in, or equipped with earthen escape ramps no greater than 200 feet apart to prevent entrapment of listed species.</li> <li>f. All construction activities shall be confined within the project construction area, which may include temporary access roads, haul roads, and staging areas specifically designated and marked for these purposes. At no time shall equipment or personnel be allowed outside the project construction area without authorization from the City of Coalinga and/or biological monitor.</li> <li>g. Environmentally Sensitive Areas within the project site, such as active burrows and trees to be preserved, shall be delineated with high-visibility temporary fencing at least 4 feet in height, flagging, or other barrier to prevent encroachment of construction personnel and equipment onto any sensitive areas during project work activities. Such fencing shall be inspected and maintained daily until completion of the project. The fencing will be removed only when all construction equipment is removed from the site.</li> <li>h. If necessary, tightly woven fiber netting or similar material shall be used for erosion control or other purposes at the project site to ensure that special-status species do not get trapped. This limitation will be communicated to the contractor through use of Special Provisions included in the bid solicitation package.</li> <li>i. Use of rodenticides and herbicides at the project site shall be avoided to the maximum extent feasible to prevent primary or secondary poisoning of special-status species and depletion of prey populations on which they depend. In the event that the use of herbicides is necessary for invasive species control, all uses of such compounds shall observe labels and other restrictions mandated by the U.S. Environmental Protection Agency, California Department of Pesticide Regulation, and other appropriate federal and state regulations, as well as additional project-related restrictions deemed necessary by the U.S. Fish and Wildlife Service or California Department of Fish and Wildlife.</li> </ul>			

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BIO-6	<p>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:</p> <ul style="list-style-type: none"> <li>a. A 50-foot exclusion zone shall be placed around 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.</li> <li>b. 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 City of Lompoc and any relevant resource agencies.</li> </ul> <p>If applicable, the results shall detail appropriate fencing or flagging of exclusion zones and include recommendations for 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).</p> <p>If 2 weeks lapse between different phases of project activities (e.g., the start of grading), during which no or minimal work activity occurs, the nesting bird survey shall be repeated.</p>	<p>A qualified biologist shall conduct nesting bird surveys</p>	<p>Prior to initiation of any site preparation/construction activities; If work is planned to occur between February 1 and September 15</p>	<p>City/Contractor</p>

Mitigation Measure	Requirements of Measure	Compliance Method	Verification Timing	Responsible Party
BIO-7	<p>For demolition of the existing bridge crossing and construction of the new bridge crossing over Los Gatos Creek, the following measures shall be included at appropriate times to reduce potential impacts to Los Gatos Creek:</p> <ul style="list-style-type: none"> <li>a. Prior to demolition of the existing bridge crossing, if required, the City of Coalinga shall obtain a Section 404 permit (anticipated to be Nationwide Permit 14 for linear transportation projects) from the U.S. Army Corps of Engineers, a Section 401 Certification and/or Waste Discharge Requirement from the Regional Water Quality Control Board, and a Section 1602 Lake and Streambed Alteration Agreement from the California Department of Fish and Wildlife. The City of Coalinga shall comply with any additional protection and mitigation measures required by the regulatory agencies.</li> <li>b. Construction activities within the bed and bank of Los Gatos Creek shall be conducted during the dry season when stream flows will be at annual lows (June 1–October 15) in any given year, or as otherwise directed by the regulatory agencies. Deviations from this work window can be made with permission from the relevant regulatory agencies.</li> <li>c. Prior to initiation of any construction activities, sturdy high-visibility fencing shall be installed to protect the jurisdictional areas adjacent to the designated work areas. This fencing shall be placed so that unnecessary adverse impacts to the adjacent habitats are avoided. No construction work (including storage of materials) shall occur outside of the specified project limits. The fencing shall remain in place during the entire construction period, be monitored periodically by a qualified biologist, and be maintained as needed by the contractor.</li> <li>d. Prior to construction, the contractor shall prepare a Hazardous Materials Response Plan to allow for a prompt and effective response to any accidental spills. Workers shall be informed of the importance of preventing spills and of the appropriate measures to take should a spill occur.</li> <li>e. During construction, erosion control measures (e.g., silt fencing, fiber rolls, and barriers) shall remain available on-site and shall be utilized as necessary to prevent erosion and sedimentation in jurisdictional areas. No synthetic plastic mesh products shall be used for erosion control and use of these materials on-site is prohibited. Erosion control measures and other suitable Best Management Practices used shall be checked to ensure that they are intact and functioning effectively and maintained daily throughout the duration of construction. The contractor shall also apply adequate dust control techniques, such as site watering, during construction to protect water quality.</li> <li>f. During construction, the cleaning and refueling of equipment and vehicles shall occur only within a designated staging area and at least 50 feet from the creek banks. At a minimum, equipment and vehicles shall be checked and maintained daily to ensure proper operation and avoid potential leaks or spills.</li> </ul>	Implement the identified measures	During demolition	City/Contractor

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<b>Cultural Resources</b>				
CR-1	<p>Prior to construction activities, a City of Coalinga-qualified archaeologist shall coordinate with representatives from the Santa Rosa Rancheria Tachi-Yokut Tribe to conduct cultural resource awareness training for all construction personnel, including the following:</p> <ul style="list-style-type: none"> <li>a. Review the types of archaeological artifacts that may be uncovered;</li> <li>b. Provide examples of common archaeological artifacts to examine;</li> <li>c. Review what makes an archaeological resource significant to archaeologists and local Native Americans;</li> <li>d. Describe procedures for notifying involved or interested parties in case of a new discovery;</li> <li>e. Describe reporting requirements and responsibilities of construction personnel;</li> <li>f. Review procedures that shall be used to record, evaluate, and mitigate new discoveries; and</li> <li>g. Describe procedures that would be followed in the case of discovery of disturbed as well as intact human burials and burial-associated artifacts.</li> </ul>	<p>Retain qualified archaeologist and coordinate with the Santa Rosa Rancheria Tachi-Yokut Tribe to conduct cultural resource awareness training</p>	Prior to construction	City
CR-2	<p>If cultural resources are encountered during subsurface earthwork activities, all ground-disturbing activities within a 25-foot radius of the find shall cease and the City of Coalinga shall be notified immediately. Work shall not continue until a City of Coalinga-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 City of Coalinga-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. Any previously unidentified resources found during construction shall be recorded on appropriate California Department of Parks and Recreation (DPR) forms and evaluated for significance in terms of California Environmental Quality Act (CEQA) criteria by a qualified archaeologist.</p> <p>If the resource is determined significant under CEQA, the qualified archaeologist shall prepare and implement a research design and archaeological data recovery plan, in conjunction with locally affiliated Native American representative(s) as necessary, that will capture those categories of data for which the site is significant. The archaeologist shall also perform appropriate technical analysis, prepare a comprehensive report, and file it with the Southern San Joaquin Valley Information Center (SSJVIC), located at the California State University, Bakersfield, and provide for the permanent curation of the recovered materials.</p>	<p>Stop work and notify project proponent immediately in the event that a potentially significant cultural resource is encountered</p>	Prior to and during construction	City/Contractor
<b>Hazards and Hazardous Materials</b>				
HAZ-1	<p>Prior to the start of ground-disturbing activities within the former railroad track alignment, soil sampling for polycyclic aromatic hydrocarbons, total petroleum hydrocarbons, polychlorinated biphenyls, organochlorine pesticides, chlorinated herbicides, and metals</p>	<p>Soil sampling results shall be submitted to the City</p>	Prior to ground disturbance	City/Contractor

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	should be conducted to determine if contaminants are present. If petroleum hydrocarbons, metals, polyaromatic hydrocarbons, or chlorinated herbicides are identified, the soils shall be handled and disposed of in accordance with state and local regulations.	prior to ground disturbance		
HAZ-2	The wood waste associated with demolition of the existing pedestrian bridge shall be disposed of in accordance with state and local regulations, including Assembly Bill 332.	Wood waste associated with demolition of the existing pedestrian bridge shall be disposed of in accordance with state and local regulations	Prior to demolition	City/Contractor
<b>Noise</b>				
N-1	<p>During project construction, construction activities shall be limited to the hours between 7:00 a.m. and 7:00 p.m. in accordance with the <i>City of Coalinga General Plan 2005-2025 Safety, Air Quality and Noise Element</i>. Construction equipment maintenance shall be limited to the same hours. Construction activities that do not require the use of mechanical equipment are not subject to these restrictions.</p> <p>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 (e.g., mufflers, lagging, motor enclosures). Impact tools (e.g., jackhammers, pavement breakers, rock drills) used for project construction shall be hydraulically or electrically powered wherever possible to avoid noise associated with compressed air exhaust from pneumatically powered tools. Where use of pneumatic tools is unavoidable, an exhaust muffler on the compressed air exhaust shall be used.</p>	Include hours of construction on construction plans and ensure compliance through site verification.	During construction	City/Contractor
N-2	All equipment shall be properly maintained to ensure that no additional noise, due to worn or improperly maintained parts, is generated. Stockpiling and vehicle staging areas shall be located as far as practical from sensitive noise receptors. Every effort shall be made to create the greatest distance between noise sources and sensitive receptors during construction activities.	Ensure compliance through site verification.	During construction	City/Contractor

