

Table 1. Mitigation Monitoring and Reporting Program

Mitigation Measure	Mitigation Measure	Timing of Verification			Responsible Party	Completed		Comments
		Pre Const	During Const	Post Const		Initials	Date	
Air Quality								
Mitigation Measure AQ-1	<p>Require Use of Tier 4 Off-Road Equipment During Construction. Prior to the commencement of any construction activities, the Project applicant or its designee shall provide evidence to the City of Chino (City) that for off-road equipment with engines rated at 75 horsepower or greater, no construction equipment shall be used that is less than Tier 4 interim.</p> <p>An exemption from this requirement may be granted under the following two conditions:</p> <p>(1) The applicant's construction contractor shall demonstrate that at least three construction fleet owners/operators in San Bernardino County were contacted and that those owners/operators confirmed Tier 4 interim or final equipment could not be located within San Bernardino County during the desired construction schedule.</p> <p>(2) The proposed replacement equipment has been evaluated using the California Emissions Estimator Model or other industry standard emission estimation method and documentation has been provided to the City to confirm that necessary project-generated emissions reductions are achieved.</p>	X			City of Chino			
Biological Resources								
Mitigation Measure BIO-1	<p>Nesting Bird Avoidance. Project construction shall be conducted in compliance with the conditions set forth in the Migratory Bird Treaty Act and California Fish and Game Code to protect active bird/raptor nests. Vegetation removal shall occur during the non-breeding season for nesting birds and nesting raptors (September 1–January 31) to avoid impacts to nesting birds and raptors. If the project requires that work be performed during the breeding season for nesting birds (February 1–August 31) and nesting raptors (February 1–June 30), a pre-construction survey shall be conducted in the study area by qualified biologists for nesting birds and/or raptors within 3 days before project activities in order to avoid direct impacts on active nests. If the biologist does not find any active nests within or immediately adjacent to the impact areas, the vegetation clearing/construction work shall be allowed to proceed.</p> <p>If the biologist finds an active nest within or immediately adjacent to the construction area and determines that the nest may be impacted or breeding activities substantially disrupted, the biologist shall delineate an appropriate buffer zone around the nest depending on the sensitivity of the species and the nature of the construction activity. To protect any nest site, the following restrictions to construction activities shall be required until nests are no longer active, as determined by a qualified biologist: (1) clearing limits shall be established within a buffer around any occupied nest; and (2) access and surveying shall be restricted within the buffer of any occupied nest, unless otherwise determined by a qualified biologist. The buffer shall be 100–300 feet for non-raptor nesting birds and 300–500 feet for nesting raptors. Construction can proceed into the buffer if the qualified biologist determines that the nest is no longer active.</p>	X			City of Chino			

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Cultural Resources								
Mitigation Measure CUL-1	Inadvertent Discovery of Archaeological Resources. In the event that archaeological resources (sites, features, or artifacts) are exposed during construction activities for the project, all construction work occurring within 100 feet of the find shall immediately stop until a qualified archaeologist meeting the Secretary of the Interior's Professional Qualification Standards can evaluate the significance of the find. Construction activities may continue in other areas but should be redirected a safe distance from the find. If the new discovery is evaluated and found to be significant under CEQA and avoidance is not feasible, additional work such as data recovery may be warranted. A data recovery plan shall be developed by the qualified archaeologist in consultation with the City and Native American representatives, if applicable. Ground disturbance can continue only after the resources have been properly mitigated and with approval by the City.		X		City of Chino			
Geology and Soils								
Mitigation Measure GEO-1	Paleontological Monitoring. Prior to commencement of any grading activity on site, the applicant shall retain a qualified paleontologist per the Society of Vertebrate Paleontology (SVP) (2010) guidelines. The paleontologist shall prepare a Paleontological Resources Impact Mitigation Program (PRIMP) for the project. The PRIMP shall be consistent with the SVP (2010) guidelines and should outline requirements for preconstruction meeting attendance and worker environmental awareness training, where monitoring is required within the proposed project site based on construction plans and/or geotechnical reports, procedures for adequate paleontological monitoring and discoveries treatment, and paleontological methods (including sediment sampling for microvertebrate fossils), reporting, and collections management. The qualified paleontologist shall attend the preconstruction meeting and a qualified paleontological monitor shall be on site during all rough grading and other significant ground-disturbing activities (including augering) in previously undisturbed, fine-grained Pleistocene sedimentary deposits. In the event that paleontological resources (e.g., fossils) are unearthed during grading, the paleontological monitor will temporarily halt and/or divert grading activity to allow recovery of paleontological resources. The area of discovery will be roped off with a 50-foot radius buffer. Once documentation and collection of the find is completed, the monitor will remove the rope and allow grading to recommence in the area of the find. Costs associated with laboratory work and curation fees are the responsibility of the City.	X	X		City of Chino			

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Noise								
Mitigation Measure NOI-1	<p>Temporary Construction Noise Reduction. The City shall require the contractor to install temporary noise abatement during construction activities occurring near off-site residential receptors, specifically along the northern and eastern boundaries of the project site where residences are closest.</p> <p>Noise abatement shall consist of sound blankets, field-erected plywood sheeting, or comparable temporary solid barriers (minimum height of 10 feet and minimum sound transmission class [STC] rating of 25) placed to block direct line-of-sight between construction activities and the nearest noise-sensitive receptors. The barrier shall be installed prior to commencement of heavy equipment use and maintained throughout all relevant construction phases.</p> <p>The temporary barrier is expected to achieve a minimum construction noise reduction of approximately 13 decibels (dB) at the nearest residential property line, based on modeling results provided in Appendix E.</p> <p>In addition to the noise barrier, the following supplemental measures shall be implemented:</p> <ul style="list-style-type: none"> ▪ Administrative controls (e.g., further reduce operating time of equipment and/or prohibit usage of equipment type[s] within certain distances to a nearest receiving occupied off-site property). ▪ Engineering controls (change equipment operating parameters [e.g., speed, capacity], or install features or elements that otherwise reduce equipment noise emission [e.g., upgrade engine exhaust mufflers]). <p>The contractor shall document the installation and maintenance of noise abatement measures and provide verification to the City prior to and during construction.</p>		X		City of Chino			

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Tribal Cultural Resources								
Mitigation Measure TCR-1	<p>Retain a Native American Monitor Prior to Commencement of Ground-Disturbing Activities.</p> <p>A. The project applicant/lead agency shall retain a Native American Monitor from or approved by the Gabrieleño Band of Mission Indians–Kizh Nation. The monitor shall be retained prior to the commencement of any “ground-disturbing activity” for the subject project at all project locations (i.e., both on-site and any off-site locations that are included in the project description/definition and/or required in connection with the project, such as public improvement work), “Ground-disturbing activity” shall include, but is not limited to, demolition, pavement removal, potholing, auguring, grubbing, tree removal, boring, grading, excavation, drilling, and trenching.</p> <p>B. A copy of the executed monitoring agreement shall be submitted to the lead agency prior to the earlier of the commencement of any ground-disturbing activity, or the issuance of any permit necessary to commence a ground-disturbing activity.</p> <p>C. The monitor will complete daily monitoring logs that will provide descriptions of the relevant ground-disturbing activities, the type of construction activities performed, locations of ground-disturbing activities, soil types, cultural-related materials, and any other facts, conditions, materials, or discoveries of significance to the Tribe. Monitor logs will identify and describe any discovered TCRs, including but not limited to, Native American cultural and historical artifacts, remains, places of significance, etc., (collectively, tribal cultural resources, or “TCR”), as well as any discovered Native American (ancestral) human remains and burial goods. Copies of monitor logs will be provided to the project applicant/lead agency upon written request to the Tribe.</p> <p>D. On-site tribal monitoring shall conclude upon the latter of the following (1) written confirmation to the Kizh from a designated point of contact for the project applicant/lead agency that all ground-disturbing activities and phases that may involve ground-disturbing activities on the project site or in connection with the project are complete; or (2) a determination and written notification by the Kizh to the project applicant/lead agency that no future, planned construction activity and/or development/construction phase at the project site possesses the potential to impact Kizh TCRs.</p>	X	X		City of Chino			

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Mitigation Measure TCR-2	<p>Unanticipated Discovery of Tribal Cultural Resource Objects (Non-Funerary/Non-Ceremonial).</p> <p>A. Upon discovery of any TCRs, all construction activities in the immediate vicinity of the discovery shall cease (i.e., not less than the surrounding 50 feet) and shall not resume until the discovered TCR has been fully assessed by the Kizh monitor and/or Kizh archaeologist. The Kizh will recover and retain all discovered TCRs in the form and/or manner the Tribe deems appropriate, in the Tribe's sole discretion, and for any purpose the Tribe deems appropriate, including for educational, cultural, and/or historic purposes.</p>		X		City of Chino			
Mitigation Measure TCR-3	<p>Unanticipated Discovery of Human Remains and Associated Funerary Objects or Ceremonial Objects.</p> <p>A. Native American human remains are defined in PRC 5097.98 (d)(1) as an inhumation or cremation, and in any state of decomposition or skeletal completeness. Funerary objects, called associated grave goods in Public Resources Code Section 5097.98, are also to be treated according to this statute.</p> <p>B. If Native American human remains and/or grave goods are discovered or recognized on the project site, then Public Resources Code section 5097.9 as well as Health and Safety Code Section 7050.5 shall be followed.</p> <p>C. Human remains and grave/burial goods shall be treated alike per California Public Resources Code section 5097.98(d)(1) and (2).</p> <p>D. Preservation in place (i.e., avoidance) is the preferred manner of treatment for discovered human remains and/or burial goods.</p> <p>E. Any discovery of human remains/burial goods shall be kept confidential to prevent further disturbance.</p>		X		City of Chino			