

To the Summary Form for Electronic Document Submittal
 Eastside Water Treatment Facility Expansion and Brine Pipeline

Impact	Mitigation Measure
<p>Biological Resources</p>	<p>MM BIO 1: Biological Resources Worker Environmental Awareness Program. Prior to construction, a qualified biologist shall be retained by the City of Chino Public Works Department to prepare a Worker Environmental Awareness Program (WEAP) that will outline pertinent biological issues and avoidance measures related to the project sites and surrounding areas. Such measures will include making sure construction workers and equipment stay out of sensitive vegetation communities and any non-paved area outside of the biological study area (BSA) shown on Figures 7a through 7d – Vegetation Map. The biologist or designee(s) shall present the WEAP to the construction contractor and each of the construction crews working at the EWTF and Brine Pipeline alignment during a preconstruction meeting.</p> <p>MM BIO 2: Preconstruction Nesting Bird Survey. To avoid direct and indirect impacts to nesting birds, if construction takes place between February 1 and August 31, a qualified biologist (the “Project Biologist”) retained by the City of Chino Public Works Department, shall conduct preconstruction nesting bird survey(s) no sooner than 14 days prior to initiation of ground disturbing activities, to document the presence or absence of nesting birds within or directly adjacent to (within 100 feet) of the construction zone. If no active nests are found during the survey, construction activities may proceed. The Project Biologist shall serve as a biological monitor during those periods when construction activities occur near active nest areas to ensure that no inadvertent impacts on these nests occur.</p> <p>If active nests are documented during the preconstruction survey(s), species-specific measures shall be prepared by the Project Biologist and implemented to prevent abandonment of the active nest. At a minimum, construction in the vicinity of an active nest shall be monitored by the Project Biologist and if necessary, work in the vicinity of the nest shall be postponed until the young birds have fledged or avoidance buffers established. Any nest permanently vacated for the season would not require monitoring or protection.</p> <p>MM BIO 3: Preconstruction Least Bell’s Vireo Survey. To avoid indirect impacts to least Bell’s vireo, if the riparian vegetation is present at the detention basin and construction takes between February 1 and August 31, the Project Biologist shall conduct preconstruction nesting bird survey(s) at the EWTF no sooner than 14 days prior to initiation of construction activities. If active nests are documented during the preconstruction survey(s), species-specific measures shall be prepared by the Project Biologist and implemented to prevent abandonment of the active nest. At a minimum, construction in the vicinity of an active nest shall be monitored by the Project Biologist and if necessary, work in the vicinity of the nest shall be postponed until the young birds have fledged</p>

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	<p>or avoidance buffers established. Any nest permanently vacated for the season would not require monitoring or protection.</p> <p>MM BIO 4: Preconstruction Burrowing Owl Surveys. To avoid direct and impacts to burrowing owls the Project Biologist shall conduct take avoidance surveys prior to any vegetation removal or soil disturbance at the EWTF and those portions of the Brine Pipeline Alignment with suitable habitat as shown on Figure 2a through Figure 2c – Burrowing Owl Survey Results of the <i>Focused Survey for the Burrowing Owl Eastside Water Treatment Facility and Brineline Project</i> (Appendix B.2 of the Initial Study). The first survey shall take place no sooner than 14 days prior to initiating ground disturbance and a second survey shall take place within 24 hours prior to ground disturbance. If burrowing owls are present, the Project Biologist shall consult with the California Department of Fish and Wildlife to determine if a Habitat Loss Mitigation and Relocation Program is warranted. Based on the location of the owls and if avoidance of the area is not feasible, mitigation options may range from passive relocation to habitat replacement.</p> <p>MM BIO 5: Preconstruction and Monitoring Surveys for the Tricolored Blackbird. To avoid direct and indirect impacts to tricolored blackbirds, if construction takes place during this species' breeding season (between March 1 and July 31) within 500 feet of suitable nesting habitat, the Project Biologist shall conduct preconstruction surveys and monthly monitoring. The first preconstruction survey shall occur no sooner than 15 days prior to construction activities and the second survey shall occur no sooner than five (5) days prior to construction activities. If nesting birds are detected the Project Biologist shall consult with the California Department of Fish and Wildlife (CDFW) to determine the appropriate avoidance measures. CDFW has the discretion to choose the avoidance measures, which could include "no work" buffers or noise attenuation barriers. Once identified, the avoidance measures shall be implemented. In addition to the preconstruction surveys, the Project Biologist shall conduct monthly surveys during the breeding season if construction is occurring within 500 feet of suitable habitat.</p> <p>MM BIO 6: Special Status Plant Surveys. Prior to any construction-related activities, including equipment storage and staging, occurring in unpaved areas outside of the biological study area (BSA) shown on Figures 6a through 6d – Vegetation Map, the Project Biologist shall conduct preconstruction surveys to determine if special status species will be impacted. If the survey results indicate no special status species are present, work may proceed without further action. If the survey results indicate special status plant species are present, the Project Biologist shall flag said species for avoidance, or relocation if avoidance is not feasible.</p>

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	<p>MM BIO 7: Preconstruction Surveys for Western Yellow Bat. To minimize or avoid impacts to the western yellow bat, prior to the disturbance of (e.g., branch trimming or removal) or removal of any trees along the Brine Pipeline alignment, the Project Biologist shall perform a preconstruction survey no sooner than seven (7) days prior to disturbance or removal to determine if bat roosts are present. If bat roosts are present and disturbance or removal cannot be avoided, the Project Biologist shall consult with the California Department of Fish and Wildlife to identify and implement appropriate mitigation measures.</p> <p>MM BIO 8: Parkway Tree Removal in the City of Ontario. To minimize impacts associated with the removal of parkway trees along the portion of the Brine Pipeline within the City of Ontario, prior to the removal of said trees, the City of Chino Public Works Department, or its designee, shall coordinate with the City of Ontario Parks Department and, if necessary, obtain a tree removal permit and comply with the provisions of said permit. If the Ontario Parks Department determines no tree permit is required, no further action is necessary.</p>
<p>Cultural Resources Tribal Cultural Resources</p>	<p>MM CR 1: Cultural Resources Worker's Environmental Awareness Training. Prior to the start of construction, the City of Chino shall retain a Project Archaeologist, meeting Secretary of Interior Standards, to provide a preconstruction training for the Project construction contractor and construction crews. The training shall identify the types of cultural resources that could be found in the area, the procedures to follow should cultural resources be encountered and contact information for the Project Archaeologist. The training may be conducted concurrently with other environmental training (e.g., biological, safety training).</p> <p>MM CR 2: Inadvertent Discovery. In the event cultural resources are discovered during Project activities, all ground disturbance activities within 100 feet of the discovered cultural resource shall be halted and an Environmentally Sensitive Area (ESA) physical demarcation/barrier installed. The contractor shall call the City of Chino Public Works Department and Project Archaeologist immediately upon discovery of the cultural resource to assess the significance of the resource and determine the appropriate treatment (documentation, recovery, avoidance, etc.) and disposition of the cultural resource. Further ground disturbance shall not resume within the area of the discovery until the appropriate treatment has been accomplished. Work on the other portions of the Project outside of the buffered area may continue.</p>
<p>Geology and Soils (paleontological resources)</p>	<p>MM GEO 1: Inadvertent Paleontological Discovery. Should any paleontological resource(s) be accidentally discovered during construction, construction activities shall be moved to other parts of the construction site and a qualified paleontologist shall be retained to determine the significance of the resource(s). If the find is determined to be a unique paleontological resource, as defined in</p>

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	<p>Section 15064.5 of the State CEQA Guidelines, then a mitigation program shall be developed in accordance with the provisions of CEQA as well as the guidelines of the Society of Vertebrate Paleontology (2010).</p> <p>The paleontologist (or designee(s)) shall wash any collected samples of sediments to recover small invertebrate and vertebrate fossils. Recovered specimens shall be prepared so that they can be identified and permanently preserved. Specimens shall be identified and curated at a repository with permanent retrievable storage to allow further research in the future (e.g., Western Science Center, Raymond Alf Museum, or the Natural History Museum of Los Angeles County). The cost of curation is assessed by the repository and is the responsibility of the landowner. If specimens are found, the qualified paleontologist shall prepare a report of findings, including an itemized inventory of recovered specimens, upon completion of all Project fieldwork. The report shall include a discussion of the significance of all recovered specimens. The report and inventory, when submitted to the City of Chino Public Works Department, shall signify completion of the program to mitigate impacts to paleontological resources. If the monitoring efforts produced fossils, then a copy of the report will also be submitted to the curation facility.</p>