



James Irrigation District Solar Project #2

Mitigation Monitoring and Reporting Program

prepared by

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Mitigation Monitoring and Reporting Program

CEQA requires that a reporting or monitoring program be adopted for the conditions of project approval that are necessary to mitigate or avoid significant effects on the environment (Public Resources Code 21081.6). This mitigation monitoring and reporting program is intended to track and ensure compliance with adopted mitigation measures during the project implementation phase. For each mitigation measure recommended in the Final Initial Study – Mitigated Negative Declaration, specifications are made herein that identify the action required and the monitoring that must occur. For all mitigation measures, James Irrigation District is the agency responsible for implementation and oversight.

Mitigation Measure/ Condition of Approval	Action Required	Monitoring Timing	Monitoring Frequency	Compliance Verification Initial	Compliance Verification Date
Biological Resources					
BIO-1 Avoidance and Minimization of Impacts to Swainson’s Hawk, Other Raptors and Nesting Birds					
<p>If construction activities occur during the non-nesting season (September 16 to January 31), no mitigation is required. If construction activities occur during the nesting bird season (February 1 to September 15), the following measures shall be implemented to reduce impacts to Swainson’s hawk, other protected raptor species, and other nesting birds protected by the Migratory Bird Treaty Act and California Fish and Game Code.</p> <ul style="list-style-type: none"> ▪ A preconstruction nesting bird survey shall be conducted no more than 14 days prior to initiation of ground disturbance and vegetation removal. The survey shall be conducted within the project site and include a 150-foot buffer for passerines, 500-foot buffer for other raptors, and 0.5-mile buffer for active Swainson’s hawk nests. The survey shall be conducted by a biologist familiar with the identification of avian species known to occur in the region. ▪ If the nesting bird survey results are negative, no further action shall be required. If nests are found, an appropriate avoidance buffer shall be determined and demarcated by the biologist with high visibility material. For Swainson’s hawk nests, an avoidance buffer of up to 0.5 mile shall be established by a qualified biologist based on the nest location in relation to the project activity, the line-of-sight from the nest to the project activity and observed hawk behavior at the nest. ▪ All construction personnel shall be notified as to the existence of the buffer zones and to avoid entering buffer zones during the nesting season. No ground disturbing activities shall occur within the buffer until the avian biologist has confirmed that breeding/nesting is complete, and the young have fledged the nest. Encroachment into the buffer shall occur only at the discretion of the qualified biologist. ▪ Results of the preconstruction nesting bird survey shall be submitted in a brief letter report to James Irrigation District no more than 30 days after completion of the survey. 	<ol style="list-style-type: none"> 1. Conduct a preconstruction nesting bird survey 2. If survey results are positive, verify appropriate avoidance buffers are established as determined and demarcated by the biologist 3. Notify construction personnel of the existence of the buffer zones and instruct personnel to avoid entering buffer zones during the nesting season 4. Field verify compliance with established buffer zones 5. Prepare letter report of nesting bird survey 	<ol style="list-style-type: none"> 1. No more than 14 days prior to the initiation of ground disturbance and vegetation removal during the bird nesting season 2. Prior to construction activities during the bird nesting season 3. Prior to construction activities during the bird nesting season 4. During construction activities during the bird nesting season 5. No more than 30 days after completion of the nesting bird survey 	<ol style="list-style-type: none"> 1. Once 2. Once 3. As needed 4. Once 5. Once 		

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Cultural Resources					
CR-1 Worker Environmental Awareness Program					
Due to the identified level of sensitivity of the project site, an environmental professional shall conduct a Worker Environmental Awareness Program training on archaeological sensitivity for all construction personnel prior to the commencement of any ground-disturbing activities within the surveyed area. The training material shall be developed by an archaeologist who meets or exceeds the Secretary of Interior’s Professional Qualification Standards for archaeology (National Park Service 1983). Archaeological sensitivity training shall include a description of the types of cultural material that may be encountered, cultural sensitivity issues, regulatory issues, and the proper protocol for treatment of the materials in the event of a find.	<ol style="list-style-type: none"> 1. Retain an environmental professional to develop and conduct a Worker Environmental Awareness Program training on archaeological sensitivity 2. Verify implementation of Worker Environmental Awareness Program training 	Prior to commencement of any ground-disturbing activities	Once		
CR-2 Archaeological Monitoring					
James Irrigation District shall retain an archaeologist meeting the Secretary of the Interior’s Professional Qualification Standards for archaeology (National Park Service 1983) to conduct monitoring of all project-related ground disturbing activities. The monitor will have the authority to halt and redirect work should any archaeological resources be identified during monitoring. If archaeological resources are encountered during ground-disturbing activities, work within 60 feet of the find will halt, and the find will be evaluated for listing in the California Register of Historical Resources and National Register of Historic Places. Archaeological monitoring may be reduced to spot-checking or eliminated at the discretion of the monitor, in consultation with James Irrigation District, as warranted by conditions such as encountering bedrock, sediments being excavated are fill, or negative findings during the first 60 percent of rough grading. If monitoring is reduced to spot-checking, spot-checking will occur when ground-disturbance moves to a new location within the project site and when ground disturbance will extend to depths not previously reached (unless those depths are within bedrock).	<ol style="list-style-type: none"> 1. Retain an archaeological monitor 2. Conduct archaeological monitoring 3. If a resource is encountered, evaluate the identified resource 	<ol style="list-style-type: none"> 1. Prior to commencement of any ground-disturbing activities 2. During ground-disturbing activities 3. As needed 	<ol style="list-style-type: none"> 1. Once 2. Periodically 3. As needed 		

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CR-3 Unanticipated Discovery of Cultural Resources					
In the event that archaeological resources are encountered during ground-disturbing activities and monitoring has been reduced or halted, work in the immediate area should be halted and an archaeologist meeting the Secretary of the Interior’s Professional Qualifications Standards for archeology (National Park Service 1983) should be contacted immediately to evaluate the find. If the find is prehistoric, then a Native American representative should also be contacted to participate in the evaluation of the find. If necessary, the evaluation may require preparation of a treatment plan and archaeological testing for CRHR eligibility. If the discovery proves to be eligible for the CRHR and cannot be avoided by the proposed project, additional work, such as data recovery excavation, may be warranted to mitigate any significant impacts to historical resources.	<ol style="list-style-type: none"> 1. If archaeological resources are encountered, stop work in the immediate area and contact a qualified archaeologist immediately 2. If the find is prehistoric, contact a Native American representative to participate in the evaluation of the find 3. Evaluate the identified resource as needed 	During ground-disturbing activities, as needed and if archaeological resource is identified	As needed		
Geology and Soils					
GEO-1 Expansion Index Test and Minimization Measures					
Prior to the issuance of a building permit, James Irrigation District shall retain a qualified geologist to conduct an Expansion Index Test on a bulk soil sample obtained from the project site to determine the expansion potential of on-site soil. If the Expansion Index value of the soil is greater than or equal to 51, the project shall include all applicable geotechnical recommendations made by the qualified geologist, such as design features consistent with 2019 California Building Code, Title 24, Part 2, Section 1808A.6. Features may include, but would not be limited to, specialized foundations, removal of expansive soils, and soil stabilization.	<ol style="list-style-type: none"> 1. Retain qualified geologist to conduct Expansion Index Test 2. If the Expansion Index value of the soil is greater than or equal to 51, incorporate all applicable geotechnical recommendations into the project 	Prior to commencement of project construction	Once		
Tribal Cultural Resources					
TCR-1 Unanticipated Discovery of Tribal Cultural Resources					
In the event that cultural resources of Native American origin are identified during ground-disturbing activities, all ground-disturbing work within 50 feet of the find shall be temporarily suspended or redirected until a qualified archaeologist has evaluated the nature and significance of the find; an appropriate Native American representative(s), based on the nature of the find, is consulted; and mitigation measures are put in place for	<ol style="list-style-type: none"> 1. In the event that cultural resources of Native American origin are encountered, stop work in the immediate area and contact a qualified 	During ground-disturbing activities, as needed and if cultural resource of Native American origin is identified	As needed		

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<p>the disposition and protection of any find pursuant to Public Resources Code Section 21083.2. If James Irrigation District, in consultation with local Native Americans, determines the resource is a tribal cultural resource and thus significant under the California Environmental Quality Act, a mitigation plan shall be prepared and implemented in accordance with State guidelines and in consultation with local Native American group(s) prior to continuation of any ground-disturbing work within the vicinity of the find. The plan shall include avoidance of the resource or, if avoidance of the resource is infeasible, shall outline the appropriate treatment of the resource in coordination with the appropriate local Native American tribal representative and, if applicable, a qualified archaeologist. Examples of appropriate mitigation for tribal cultural resources include, but are not limited to, protecting the cultural character and integrity of the resource, protecting traditional use of the resource, protecting the confidentiality of the resource, or heritage recovery.</p>	<p>archaeologist immediately to evaluate the find</p> <ol style="list-style-type: none"> 2. Based on the nature of the find, contact a Native American representative to participate in the evaluation of the find 3. Evaluate the identified resource 4. If necessary, prepare mitigation plan for avoidance and/or treatment of the resource 				
TCR-2 Native American Monitoring					
<p>James Irrigation District shall retain a Native American consultant to conduct Native American monitoring of all project-related ground disturbing activities. Native American monitoring should be provided by a locally affiliated tribal member. Monitors will have the authority to halt and redirect work should any tribal cultural resources be identified during monitoring. Native American monitoring may be reduced to spot-checking or eliminated at the discretion of the monitor, in consultation with JID James Irrigation District as warranted by conditions such as encountering bedrock, sediments being excavated are fill, or negative findings during the first 60 percent of rough grading. If monitoring is reduced to spot-checking, spot-checking will occur when ground-disturbance moves to a new location within the project site and when ground disturbance will extend to depths not previously reached (unless those depths are within bedrock).</p>	<ol style="list-style-type: none"> 1. Retain a Native American consultant to provide monitoring by a locally affiliated tribal member 2. Conduct Native American monitoring 	<ol style="list-style-type: none"> 1. Prior to commencement of any ground-disturbing activities 2. During ground-disturbing activities 	<ol style="list-style-type: none"> 1. Once 2. Periodically 		

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