

**MITIGATION MONITORING AND REPORTING PROGRAM
PAMO VALLEY SEGMENT OF THE COAST TO CREST TRAIL (MND SCH# 2016031069)**

<i>Resource Area</i>	<i>Impact</i>	<i>Mitigation Measure</i>	<i>Monitoring or Reporting Action</i>	<i>Monitoring Responsibility</i>	<i>Timing</i>
BIOLOGICAL RESOURCES	Construction activities could impact habitat outside the identified construction area.	Construction staging shall only occur in the project trail staging area, in the trail alignment, or on the shoulder of Pamo Road. Construction limits for the trail staging areas shall be delineated with temporary fencing. Silt fences and fiber rolls shall be installed adjacent to sensitive habitat per the project plans.	Indicate construction limits on project plans. Monitor BMP installation before construction and maintain during construction period, repair as needed.	City at SDP issuance. JPA	Prior to and during construction activities.
	Noise from construction clearing and grubbing adjacent to least Bell's vireo and southwestern willow flycatcher breeding areas could impact these species during their breeding season	Clearing and grubbing shall not occur during the breeding season (March 15 through September 15) for these species when within 300 feet of breeding habitat (Santa Ysabel/Temescal creeks).	Indicate restriction on project plans and on SDP permit condition. Monitor construction activities to ensure compliance.	City/JPA	Before and during construction.
	Badger burrows could be impacted if they appear within trail corridor.	Conduct pre-construction survey for active burrows along trail just before construction and avoid if burrows are encountered. Provide 100 ft buffer if burrow is encountered.	List in SDP conditions. Monitor construction activities to ensure compliance.	City/JPA JPA	Before and during construction.
	Trail construction	Prior to commencing	List in SDP conditions.	JPA	Before and during

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	could potentially impact an arroyo toad using upland habitat adjacent to Santa Ysabel/Temescal creek for aestivating.	construction of the trail, the JPA shall hire a biological monitor with expertise in arroyo toads. The biologist will monitor construction of the trail during the aestivating season where it occurs in potential aestivating habitat. The biologist will conduct a pre-construction survey to identify any toads in the construction footprint and any such toads shall be avoided. Implementation of avoidance measures shall be done in consultation with USFWS.	Monitor construction activities to ensure compliance.		construction.
	Accumulation of horse manure in staging areas could attract cowbirds.	Implement manure management, install manure bins and maintain.	Install per project plans.	JPA	Prior to Project completion and opening trail/parking areas.
	The project will remove/impact 0.36 acre of coastal sage scrub and 2.7 acres of non-native grassland.	Provide compensatory mitigation as required by the City SDP.	Include final requirement and details as SDP condition.	City/JPA	Prior to project completion or as specified in SDP condition.
	Trail use could further impact sensitive species if not properly maintained and	The JPA Trails Management Plan and Standards shall be updated to add the Pamo segment of the Coast to Crest Trail and management standards shall be	Document update of plan.	JPA	Prior to trail operation.

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	managed.	adhered to.			
CULTURAL RESOURCES	Construction may cause unintended or unanticipated impacts to cultural resources.	<p>The JPA shall retain and use a qualified archaeology monitor and Native American monitor during construction. Monitors have authority to suspend work to assess and document cultural finds and recommend avoidance or capping. JPA shall follow recommended measures.</p> <p>JPA shall continue consulting with Native American representatives (San Pasqual Band and lipay Nation) on final construction plans and during design and placement of fencing and signage pertaining to access control in culturally sensitive area.</p>	<p>Confirm construction schedule at pre-construction meeting.</p> <p>Monitor construction activities to ensure compliance and communicate activities and schedule with monitors.</p> <p>Communicate and obtain concurrence from identified tribal representatives.</p>	JPA	<p>Prior to construction commencement.</p> <p>During construction.</p>
	Trail operation may compact trail into subsurface if not properly capped to cover and protect cultural sites within or adjacent to trail.	<p>Trail that traverses Sites CA-SDI-7933 and CA-SDI-8279 shall be capped during construction per specifications.</p> <p>Finalize capping specifications and implement capping in compliance with JPA and City protocols and in consultation with Native American representatives (San Pasqual Band and lipay Nation).</p>	<p>SDP permit condition.</p> <p>Monitor construction activities to ensure compliance and communicate activities and schedule with monitors</p>	<p>City through SDP</p> <p>JPA</p>	<p>Prior to construction commencement.</p> <p>During construction.</p>

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	Construction activities within 50 feet of sites SDI-7933 and SDI-8279) may impact these sites if additional resources are discovered.	Project cultural resource monitors shall monitor construction activities and have authority to suspend work to assess and document finds and recommend avoidance or capping. JPA shall follow recommended measures.	SDP permit condition. Monitor construction activities to ensure compliance and communicate activities and schedule with monitors	City through SDP JPA	During construction.
	Construction activities near sites SDI-9790 and SDI-19464 may impact these sites if additional resources are discovered.	Project cultural resource monitors shall monitor construction activities and have authority to suspend work to assess and document finds and recommend avoidance or capping. JPA shall follow recommended measures.	SDP permit condition. Monitor construction activities to ensure compliance and communicate activities and schedule with monitors	City through SDP JPA	During construction.