



Appendix J

MITIGATION MONITORING AND
REPORTING PROGRAM



Mitigation Monitoring and Reporting Program

The California Environmental Quality Act (CEQA; California Public Resources Code §21081.6) requires public agencies to adopt a monitoring and reporting program for the revisions which it has required in the project and the measures it has imposed to mitigate or avoid significant environmental effects. In order to ensure implementation of the mitigation measures and design features identified in the Mitigated Negative Declaration (MND), SANDAG shall adopt a Mitigation Monitoring and Reporting Program (MMRP).

This MMRP identifies the mitigation measures and design features that shall be implemented by SANDAG as the responsible party and the timing of implementation. SANDAG may delegate the reporting or monitoring responsibilities identified below to another entity that accepts the delegation (such as a construction contractor). However, until the mitigation measures and design features included in the MMRP have been completed, SANDAG remains responsible for ensuring that implementation occurs in accordance with the adopted program (CEQA Guidelines §15097[a]).

Design Feature or Mitigation Measure	Timing	Responsible Party	Completed	Initials	Notes (Optional)
Biological Resources					
<p>BIO-1. If vegetation removal occurs between February 15 and August 31, pre-construction gnatcatcher surveys, consisting of 3 surveys spaced one week apart, would be conducted prior to initiating clearing or grubbing activities within 300 feet of coastal sage scrub. Should nesting gnatcatchers be detected within 300 feet of the construction area, construction on or within 300 feet of the nest shall be postponed until after the young have fledged or the nest is no longer active.</p>	<p>Prior to construction within 300 feet of nesting gnatcatcher.</p>	<p>SANDAG</p>	<p><input type="checkbox"/></p>	<p>_____</p>	
<p>BIO-2. If vegetation removal occurs between February 15 and September 15, pre-construction vireo surveys would be conducted prior to initiating clearing or grubbing activities. The survey would consist of 3 surveys spaced one week apart, with the final survey occurring within 3 days prior to initiating clearing or grubbing activities within 500 feet of riparian vegetation. Should nesting vireos be detected within 500 feet of the construction area, construction on or within 500 feet of the nest shall be postponed until after the young have fledged or the nest is no longer active.</p>	<p>Prior to construction within 500 feet of nesting least Bell's vireo.</p>	<p>SANDAG</p>	<p><input type="checkbox"/></p>	<p>_____</p>	
<p>BIO-3. If vegetation removal occurs between February 15 and August 31r, pre-construction yellow warbler surveys would be conducted prior to initiating clearing or grubbing activities. The survey would consist of 3 surveys spaced one week apart, with the final survey occurring within 3 days prior to initiating clearing or grubbing activities within 500 feet of riparian vegetation. Should nesting warblers be detected within 500 feet of the construction area, construction on or within 500 feet of the nest shall be postponed until after the young have fledged or the nest is no longer active.</p>	<p>Prior to construction within 300 feet of nesting yellow warbler.</p>	<p>SANDAG</p>	<p><input type="checkbox"/></p>	<p>_____</p>	
<p>BIO-4. Temporary impacts to 0.62 acre of southern riparian forest shall be mitigated at a 1:1 ratio. Mitigation for temporary impact areas would occur either through restoration of impacted areas to their pre-impact contours and conditions, through habitat mitigation, or as determined through consultation with the Resource Agencies located in the Rose Creek Watershed through sites identified in the Rose Creek Watershed Wetland, Riparian and Water Quality Restoration Opportunities Analysis (2012), and/or another approved mitigation site, in consultation with the resource agencies.</p>	<p>Prior to clearing and grubbing southern riparian forest.</p>	<p>SANDAG</p>	<p><input type="checkbox"/></p>	<p>_____</p>	

Design Feature or Mitigation Measure	Timing	Responsible Party	Completed	Initials	Notes (Optional)
Biological Resources (cont.)					
<p>BIO-5. Permanent impacts to 0.40 acre of southern riparian forest shall be mitigated at a 3:1 ratio. Mitigation for permanent impacts would occur through on- and/or off-site restoration, enhancement, and/or establishment/re-establishment with an establishment/re-establishment ratio of 1:1, or purchase of credits at an approved mitigation bank. Final mitigation requirements for impacts to southern riparian forest would be determined in consultation with the Resource Agencies. Off-site mitigation would occur in the Rose Creek Watershed through sites identified in the Rose Creek Watershed Wetland, Riparian and Water Quality Restoration Opportunities Analysis (2012), and/or another approved mitigation site, in consultation with the resource agencies.</p>	<p>Prior to clearing and grubbing southern riparian forest.</p>	<p>SANDAG</p>	<p><input type="checkbox"/></p>	<p>—</p>	
<p>BIO-6. Temporary impacts to 0.20 acre of southern willow scrub shall be mitigated at a 1:1 ratio. Mitigation for temporary impact areas would occur either through restoration of impacted areas to their pre-impact contours and conditions, through habitat mitigation, or as determined through consultation with the Resource Agencies located in the Rose Creek Watershed through sites identified in the Rose Creek Watershed Wetland, Riparian and Water Quality Restoration Opportunities Analysis (2012), and/or another approved mitigation site, in consultation with the resource agencies.</p>	<p>Prior to clearing and grubbing southern willow scrub.</p>	<p>SANDAG</p>	<p><input type="checkbox"/></p>	<p>—</p>	
<p>BIO-7. Permanent impacts to 0.08 acre of southern willow scrub shall be mitigated at a 3:1 ratio. Mitigation for permanent impacts would occur through on- and/or off-site restoration, enhancement, and/or establishment/re-establishment with an establishment/re-establishment ratio of 1:1, or purchase of credits at an approved mitigation bank. Final mitigation requirements for impacts to southern willow would be determined in consultation with the Resource Agencies. Off-site mitigation would occur in the Rose Creek Watershed through sites identified in the Rose Creek Watershed Wetland, Riparian and Water Quality Restoration Opportunities Analysis (2012), and/or another approved mitigation site, in consultation with the resource agencies.</p>	<p>Prior to clearing and grubbing southern willow scrub.</p>	<p>SANDAG</p>	<p><input type="checkbox"/></p>	<p>—</p>	

Design Feature or Mitigation Measure	Timing	Responsible Party	Completed	Initials	Notes (Optional)
Biological Resources (cont.)					
<p>BIO-8. Temporary impacts to 0.14 acre of freshwater marsh shall be mitigated at a 1:1 ratio. Mitigation for temporary impact areas would occur either through restoration of impacted areas to their pre-impact contours and conditions, through habitat mitigation, or as determined through consultation with the Resource Agencies located in the Rose Creek Watershed through sites identified in the Rose Creek Watershed Wetland, Riparian and Water Quality Restoration Opportunities Analysis (2012), and/or another approved mitigation site in consultation with the resource agencies.</p>	<p>Prior to clearing and grubbing freshwater marsh.</p>	<p>SANDAG</p>	<p><input type="checkbox"/></p>	<p>_____</p>	
<p>BIO-9. Permanent impacts to 0.04 acre of freshwater marsh shall be mitigated at a 3:1 ratio. Mitigation for permanent impacts would occur through on- and/or off-site restoration, enhancement, and/or establishment/re-establishment with an establishment/re-establishment ratio of 1:1, or purchase of credits at an approved mitigation bank. Off-site mitigation would occur in the Rose Creek Watershed through sites identified in the Rose Creek Watershed Wetland, Riparian and Water Quality Restoration Opportunities Analysis (2012), and/or another approved mitigation site, in consultation with the resource agencies.</p>	<p>Prior to clearing and grubbing freshwater marsh.</p>	<p>SANDAG</p>	<p><input type="checkbox"/></p>	<p>_____</p>	
<p>BIO-10. Temporary impacts to 0.10 acre of non-native riparian shall be mitigated at a 1:1 ratio with native riparian vegetation. Mitigation for temporary impact areas would occur either through restoration of impacted areas to their pre-impact contours and conditions, through habitat mitigation, or as determined through consultation with the Resource Agencies located in the Rose Creek Watershed through sites identified in the Rose Creek Watershed Wetland, Riparian and Water Quality Restoration Opportunities Analysis (2012), and/or another approved mitigation site in consultation with the resource agencies.</p>	<p>Prior to clearing and grubbing non-native riparian vegetation.</p>	<p>SANDAG</p>	<p><input type="checkbox"/></p>	<p>_____</p>	

Design Feature or Mitigation Measure	Timing	Responsible Party	Completed	Initials	Notes (Optional)
Biological Resources (cont.)					
<p>BIO-11. Permanent impacts to 0.04 acre of non-native riparian shall be mitigated at a 2:1 ratio with native riparian vegetation. Mitigation for permanent impacts would occur through on- and/or off-site restoration, enhancement, and/or establishment/re-establishment with an establishment/re-establishment ratio of 1:1, or purchase of credits at an approved mitigation bank. Off-site mitigation would occur in the Rose Creek Watershed through sites identified in the Rose Creek Watershed Wetland, Riparian and Water Quality Restoration Opportunities Analysis (2012), and/or another approved mitigation site, in consultation with the resource agencies.</p>	<p>Prior to clearing and grubbing non-native riparian vegetation.</p>	<p>SANDAG</p>	<p><input type="checkbox"/></p>	<p>—</p>	
<p>BIO-12. Temporary impacts to 0.36 acre of Diegan coastal sage scrub shall be mitigated at a 1:1 ratio. Mitigation for temporary impact areas would occur either through restoration of impacted areas to their pre-impact contours and conditions, through habitat mitigation, or as determined through consultation with the Resource Agencies located in the Rose Creek Watershed through sites identified in the Rose Creek Watershed Wetland, Riparian and Water Quality Restoration Opportunities Analysis (2012), and/or another approved mitigation site in consultation with the resource agencies.</p>	<p>Prior to clearing and grubbing Diegan coastal sage scrub.</p>	<p>SANDAG</p>	<p><input type="checkbox"/></p>	<p>—</p>	
<p>BIO-13. Permanent impacts to 0.15 acre of Diegan Coastal Sage Scrub shall be mitigated at a 1:1 ratio. Mitigation for permanent impacts would occur through on- and/or off-site restoration, enhancement, and/or establishment/re-establishment with an establishment/re-establishment ratio of 1:1, or purchase of credits at an approved mitigation bank. Off-site mitigation would occur in the Rose Creek Watershed through sites identified in the Rose Creek Watershed Wetland, Riparian and Water Quality Restoration Opportunities Analysis (2012), and/or another approved mitigation site, in consultation with the resource agencies.</p>	<p>Prior to clearing and grubbing Diegan coastal sage scrub.</p>	<p>SANDAG</p>	<p><input type="checkbox"/></p>	<p>—</p>	

Design Feature or Mitigation Measure	Timing	Responsible Party	Completed	Initials	Notes (Optional)
Biological Resources (cont.)					
<p>BIO-14. Permanent impacts to 0.15 acre of non-native grassland shall be mitigated at a 0.5:1 ratio. Mitigation for permanent impacts would occur through on- and/or off-site restoration, enhancement, and/or establishment/re-establishment with an establishment/re-establishment ratio of 1:1, or purchase of credits at an approved mitigation bank. Off-site mitigation would occur in the Rose Creek Watershed through sites identified in the Rose Creek Watershed Wetland, Riparian and Water Quality Restoration Opportunities Analysis (2012), and/or another approved mitigation site, in consultation with the resource agencies.</p>	<p>Prior to clearing and grubbing non-native grassland.</p>	<p>SANDAG</p>	<p><input type="checkbox"/></p>	<p>_____</p>	
<p>BIO-15. Temporary impacts to 0.31 acre of vegetated creek shall be mitigated at a 1:1 ratio. Mitigation for temporary impact areas would occur either through restoration of impacted areas to their pre-impact contours and conditions, through habitat mitigation, or as determined through consultation with the Resource Agencies located in the Rose Creek Watershed through sites identified in the Rose Creek Watershed Wetland, Riparian and Water Quality Restoration Opportunities Analysis (2012), and/or another approved mitigation site in consultation with the resource agencies.</p>	<p>Prior to clearing and grubbing vegetated creek.</p>	<p>SANDAG</p>	<p><input type="checkbox"/></p>	<p>_____</p>	
<p>BIO-16. Permanent impacts to 0.06 acre of vegetated creek shall be mitigated at a 3:1 ratio. Mitigation for permanent impacts would occur through on- and/or off-site restoration, enhancement, and/or establishment/re-establishment with an establishment/re-establishment ratio of 1:1, or purchase of credits at an approved mitigation bank. Off-site mitigation would occur in the Rose Creek Watershed through sites identified in the Rose Creek Watershed Wetland, Riparian and Water Quality Restoration Opportunities Analysis (2012), and/or another approved mitigation site, in consultation with the resource agencies.</p>	<p>Prior to clearing and grubbing vegetated creek.</p>	<p>SANDAG</p>	<p><input type="checkbox"/></p>	<p>_____</p>	
<p>BIO-17. Permanent impacts to 0.02 acre of unvegetated creek shall be mitigated at a 1:1 ratio. Mitigation for permanent impacts would occur through on- and/or off-site restoration, enhancement, and/or establishment/re-establishment with an establishment/re-establishment ratio of 1:1, or purchase of credits at an approved mitigation bank. Off-site mitigation would occur in the Rose Creek Watershed through sites identified in the Rose Creek Watershed Wetland, Riparian and Water Quality Restoration Opportunities Analysis (2012), and/or another approved mitigation site, in consultation with the resource agencies.</p>	<p>Prior to clearing and grubbing unvegetated creek.</p>	<p>SANDAG</p>	<p><input type="checkbox"/></p>	<p>_____</p>	

Design Feature or Mitigation Measure	Timing	Responsible Party	Completed	Initials	Notes (Optional)
Biological Resources (cont.)					
<p>BIO-18. Permanent impacts to 0.02 acre of streambed shall be mitigated at a 1:1 ratio. Mitigation for permanent impacts would occur through on- and/or off-site restoration, enhancement, and/or establishment/re-establishment with an establishment/re-establishment ratio of 1:1, or purchase of credits at an approved mitigation bank. Off-site mitigation would occur in the Rose Creek Watershed through sites identified in the Rose Creek Watershed Wetland, Riparian and Water Quality Restoration Opportunities Analysis (2012), and/or another approved mitigation site, in consultation with the resource agencies.</p>	Prior to clearing and grubbing streambed.	SANDAG	<input type="checkbox"/>	_____	
<p>BIO-19. If vegetation removal occurs between February 15 and September 15, a pre-construction survey must be completed prior to vegetation removal to determine the presence and/or absence of nesting birds within the project site. The results must be submitted to SANDAG for review and approval prior to initiating any vegetation removal. If any active nests are detected, the area will be flagged and mapped on construction plans along with a 300-foot buffer, or as recommended by the qualified biologist. The buffer area(s) established by the qualified biologist will be avoided until the nesting cycle is complete or it is determined that the nest has failed.</p>	Prior to clearing and grubbing vegetation.	SANDAG	<input type="checkbox"/>	_____	
Cultural Resources					
<p>CUL-1. A qualified archaeologist and Native American representative shall be retained, and shall be present during any excavation of native soils within the project area located southwest of I-5 to the existing Rose Creek Bikeway. If buried cultural resources are encountered during construction, work shall stop within a 50-foot radius of the area where the resources were discovered and the archaeologist and Native American representative shall be notified. The archaeologist and Native American representative shall evaluate the significance of the discovery and identify mitigation if the resource is determined to be significant. Trenching, excavation, grading, and/or other activities with the potential to adversely affect the discovery shall not resume in the 50-foot radius of the area of discovery until all mitigation has been satisfied. If the discovery is not significant, the archaeologist will confirm this conclusion in writing to SANDAG. The contractor will not resume activities in the 50-foot radius until notified in writing by SANDAG Environmental.</p>	Prior to construction/ During construction	SANDAG	<input type="checkbox"/>	_____	

Design Feature or Mitigation Measure	Timing	Responsible Party	Completed	Initials	Notes (Optional)
Cultural Resources (cont.)					
<p>CUL-2. If human remains are discovered, including those interred outside of formal cemeteries, all work in the area of discovery shall cease, and the procedures required by state law shall be followed (PRC §5097.98, Health and Safety Code [HSC] §7050.5). Further disturbances and activities shall cease in any area or nearby area suspected to overlie remains, and the county coroner shall be contacted (HSC §7050.5). If such a discovery occurs, a temporary construction exclusion zone shall be established surrounding the area of the discovery so that the area would be protected, and consultation and treatment would occur as prescribed by law. If the coroner recognizes the remains to be Native American, the coroner shall notify the Native American Heritage Commission who will then notify the Most Likely Descendent (PRC §5097.98). If Native American remains are discovered, the remains shall be kept in situ, or in a secure location in close proximity to where they were found, and the analysis of the remains shall only occur on site in the presence of a Native American monitor. Further provisions of PRC 5097.98 shall be followed as applicable.</p>	During construction	SANDAG	□	—	
Hazards and Hazardous Materials					
<p>HAZ-1. Soils excavated up to a depth of 30 inches at and between the locations of RCB-004 to RCB-024 shall be disposed of at a Class I or Class II facility, provided that site-specific disposal facility requirements are satisfied.</p>	During construction	SANDAG	□	—	