

4.0 MITIGATION MONITORING AND REPORTING PROGRAM

4.1 INTRODUCTION

Section 21081.6 of the Public Resources Code and Section 15097 of the State CEQA Guidelines require a lead agency that approves or carries out a project, where a CEQA document has identified significant environmental effects, to adopt a “reporting or monitoring program for the changes to the project which it has adopted or made a condition of a project approval in order to mitigate or avoid significant effects on the environment.”

The following is the Mitigation Monitoring and Reporting Program (MMRP) for the Hidden Falls Regional Park Trail Expansion Project (proposed project). The intent of the MMRP is to ensure implementation of the mitigation measures identified within the Subsequent Environmental Impact Report (SEIR) for the proposed project. The Placer County (County) Department of Public Works, Parks Division is the lead agency that must adopt the mitigation monitoring program for proposed project. Unless otherwise noted, the cost of implementing the mitigation measures as prescribed by this MMRP shall be funded by Placer County.

The CEQA statutes and Guidelines provide direction for clarifying and managing the complex relationships between a lead agency and other agencies with respect to implementing and monitoring mitigation measures. In accordance with State CEQA Guidelines Section 15097(d), “each agency has the discretion to choose its own approach to monitoring or reporting; and each agency has its own special expertise.” This discretion will be exercised by implementing agencies at the time they undertake any of the actions identified in the SEIR.

4.2 COMPLIANCE CHECKLISTS

The MMRP contained herein is intended to satisfy the requirements of CEQA as they relate to the SEIR prepared for the proposed project. This MMRP is intended to be used by Placer County staff and mitigation monitoring personnel to ensure compliance with mitigation measures during project implementation. Mitigation measures identified in this MMRP were developed in the Draft SEIR.

The Draft SEIR presents a detailed set of mitigation measures that will be implemented throughout the lifetime of the project. Mitigation is defined by CEQA Guidelines, Section 15370, as a measure that:

- ▶ Avoids the impact altogether by not taking a certain action or parts of an action;
- ▶ Minimizes the impact by limiting the degree or magnitude of the action and its implementation;
- ▶ Rectifies the impact by repairing, rehabilitating, or restoring the impacted environment;
- ▶ Reduces or eliminates the impact over time by preservation and maintenance operations during the life of the project; or
- ▶ Compensates for the impact by replacing or providing substitute resources or environments.

The intent of the MMRP is to ensure the implementation of adopted mitigation measures. The MMRP will provide for monitoring of construction activities as necessary and in-the-field identification and resolution of environmental concerns.

Monitoring and documenting the implementation of mitigation measures will be coordinated by Placer County. The table attached to this report identifies the mitigation measures, the monitoring action for each mitigation measure, the responsible party for the monitoring action, and timing of the monitoring action. Placer County will be responsible for monitoring compliance.

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The following table indicates the mitigation measure number, the impact the measure is designed to address, the measure text, the monitoring agency, implementation schedule, and an area for sign-off indicating compliance.

4.4 METHODOLOGY

The County has agreed to implement the mitigation measures listed in this MMRP as part of the proposed project. The MMRP is contained within the following matrix and consists of the following components:

- ▶ mitigation measures contained in the Draft SEIR, as adopted by the County;
- ▶ implementation/monitoring responsibility;
- ▶ timing/schedule; and
- ▶ verification responsibility.

This MMRP shall be maintained in the County's files for use in implementing mitigation measures adopted as part of the proposed project.

4.5 CHANGES TO MITIGATION MEASURES

All mitigation measures listed in the table below are identical to the mitigation measures provided in the Public Draft SEIR for the proposed project. Mitigation Measures starting with S either originate in the Draft SEIR or include language that was altered from the language included in the 2010 Certified Hidden Falls Regional Park EIR. Mitigation Measures without and S are verbatim from the 2010 Certified EIR.

Any substantive change in the MMRP shall be reported in writing. Modifications to the mitigation measures may be made by the County subject to one of the following findings, documented by evidence included in the record:

- ▶ the mitigation measure included in the Draft SEIR and the MMRP is no longer required because the significant environmental impact identified in the Draft SEIR has been found not to exist, or to occur at a level which makes the impact less than significant as a result of changes in the project, changes in conditions of the environment, or other factors; or
- ▶ the modified or substitute mitigation measure provides a level of environmental protection equal to, or greater than that afforded by the mitigation measure included in the Draft SEIR and the MMRP; and
- ▶ the modified or substitute mitigation measure or measures do not have significant adverse effects on the environment in addition to, or greater than those which were considered by the responsible hearing bodies in their decisions on the Final SEIR and the proposed project; and
- ▶ the modified or substitute mitigation measures are feasible, and the County, through measures included in the MMRP or other County procedures, can ensure implementation.

Table 4-1. Mitigation Monitoring and Reporting Program

Impact Number	Impact	Mitigation Measure	Implementation/ Monitoring Responsibility	Timing/ Schedule	Verification Responsibility
5.0 SOILS, GEOLOGY, AND SEISMICITY					
5-1	Soils, Geology, and Seismicity— Construction- and Operation- Related Erosion Hazards.	<p>Mitigation Measure S5-1: Obtain Authorization for Construction and Operation Activities with the Central Valley Regional Water Quality Control Board and Implement Erosion and Sediment Control Measures as Required.</p> <p>A: Implement Stormwater BMPs.</p> <p>Water quality treatment facilities/Best Management Practices (BMPs) shall be designed according to the guidance of the California Stormwater Quality Association Stormwater Best Management Practice Handbooks for Construction, for New Development / Redevelopment (2015), and for Industrial and Commercial (or other similar source as approved by the County).</p> <p>Storm drainage from on- and off-site impervious surfaces (including roads) shall be collected and routed through specially designed catch basins, vegetated swales, vaults, infiltration basins, water quality basins, filters, etc. for entrapment of sediment, debris and oils/greases or other identified pollutants, as approved by the County. BMPs shall be designed in accordance with the West Placer Storm Water Quality Design Manual for sizing of permanent post-construction Best Management Practices for stormwater quality protection. No water quality facility construction shall be permitted within any identified wetlands area, floodplain, or right-of-way, except as authorized by appropriate regulatory authorities.</p> <p>All permanent BMPs shall be maintained as required to ensure effectiveness.</p>	County and contractors	Prior to and during construction	County and Central Valley Regional Water Quality Control Board
		<p>B: Obtain RWQCB Permit and Implement Construction BMPs.</p> <p>Prior to any construction commencing on projects with ground disturbance exceeding 1 acre, the applicant shall provide evidence of a WDID number generated from the State Regional Water Quality Control Board’s Stormwater Multiple Application & Reports Tracking System (SMARTS). This serves as the Regional Water Quality Control Board approval or permit under the National</p>	County and contractors	Prior to and during construction	County and Central Valley Regional Water Quality Control Board

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		<p>Pollutant Discharge Elimination System (NPDES) construction storm water quality permit.</p> <p>BMPs shall be designed to ensure that pollutants contained in project-related storm water discharges are reduced to the maximum extent practicable and that non-storm water discharges are prevented from leaving the site, both during and after construction, as required by Placer County's Stormwater Quality Ordinance.</p> <p>Construction (temporary) BMPs for the project include, but are not limited to:</p> <ul style="list-style-type: none"> ▶ Use temporary mulching, seeding, or other suitable stabilization measures to protect uncovered soils; ▶ Store materials and equipment to ensure that spills or leaks cannot enter the storm drain system or surface water; ▶ Use water for dust control; ▶ Construct sediment control basins; ▶ Regular sweeping of entry and exit areas to minimize off-site sediment transport; ▶ Install traps, filters, or other devices at drop inlets to prevent contaminants from entering storm drains; and ▶ Use barriers, such as straw bales, perimeter silt fences, or placement of hay bales, to minimize the amount of uncontrolled runoff that could enter drains or surface water. 			
		<p>C: Implement Post-Development BMPs.</p> <p>Post-development (permanent) BMPs for the project include, but are not limited to:</p> <ul style="list-style-type: none"> ▶ The project will have an effective system of erosion and sedimentation control, consisting of vegetative and structural measures and management practices, to reduce the damage of erosion and costly clean-up procedures. ▶ Following trail construction, wattles/fiber rolls and/or gravel-filled bags will remain in place until permanent stabilization measures have proven successful. 	County and Contractors	Following construction	County and Central Valley Regional Water Quality Control Board

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		<ul style="list-style-type: none"> ▶ For the duration of the project, storm drainage within ditch systems associated with switchback construction will have stabilized ditch protection. This will consist of filter fabric, mulch, or a 3-inch gravel base. ▶ Plan development to fit the particular topography, soils, waterways, and natural vegetation of the site, to avoid the creation of erosion problems on the site. ▶ Reduce erosion hazards and runoff volumes and velocity by limiting the length and steepness of slopes. Slopes subject to erosion should not be steeper than 2:1 horizontal to vertical. ▶ Break up long steep slopes by benching, terracing, or diversion structures. ▶ Use existing vegetation to control erosion to (a) shield the soil surface from rain, (b) increase infiltration, (c) reduce velocity of runoff and (d) hold soil in place and act as a filter. ▶ Time the project so that grading and construction occur during the normal dry season to the extent feasible. ▶ The County shall also consult with the RWQCB to acquire the appropriate regulatory approvals that may be necessary to obtain Section 401 water quality certification. 			
5-2	Soils, Geology, and Seismicity—Risks to People from Naturally Occurring Asbestos.	See Mitigation Measure 9-1, below: Conduct On-Site Soil Testing and Prepare and Implement an Asbestos Dust Control Plan, If Needed	County and Contractors	Prior to and during construction	County
5-3	Soils, Geology, and Seismicity—Risks to People and Structures Caused by Strong Seismic Ground Shaking or Fault Rupture.	Mitigation Measure S5-2: Obtain and Implement Seismic Engineering Design Recommendations. <ol style="list-style-type: none"> a. Prior to issuance of grading permits, the applicant shall obtain the services of a qualified, licensed geotechnical engineer to examine for traces of the Bear Mountain fault within the project area. If traces of the Bear Mountain fault cross the project area, a qualified, licensed geotechnical engineer shall develop engineering design recommendations for the project area. The recommendations shall include calculation of seismic shaking hazards using the appropriate computer modeling software, and 	County and Contractors	Prior to construction	County

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		<p>shall include specific structural design recommendations to minimize potential damage to buildings and structures from seismic events. The recommendations shall also include an examination of the traces of the Bear Mountain fault system within the project area, including surface reconnaissance, and shall make recommendations for building foundation and infrastructure design accordingly. All appropriate design recommendations shall be implemented during the project design and construction phases.</p>			
		<p>b. No structures intended for human occupancy shall be constructed within a 100-foot-wide no building zone over the Bear Mountain fault traces. However, following completion of the seismic study required in (a) above, the no building zone may be modified if recommended by the geotechnical engineer.</p>	<p>County and Contractors</p>	<p>Prior to construction</p>	<p>County</p>
		<p>c. Prior to issuance of grading permits, the County shall obtain the services of a qualified, licensed geotechnical engineer to prepare a comprehensive final geotechnical report for the entire project area with specific design recommendations sufficient to ensure the safety of soil conditions, project structures, and site occupants. The report shall include project design and construction recommendations to address:</p> <ul style="list-style-type: none"> • Site preparation and grading, including surface and subsurface prep work, engineered fill materials, fill placement and compaction, trench backfill, and surface drainage; • Foundation requirements specific to the location of each component of the proposed project; • Concrete slabs-on-grade, both interior and exterior; • Retaining and below grade walls; and • Road, pavement, and parking area design. <p>The seismic engineering design recommendations shall be incorporated into the project design. Adequate field inspection shall occur during construction.</p>	<p>County</p>	<p>Prior to construction</p>	<p>County</p>

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		It is the responsibility of the County to provide for engineering inspection and certification that earthwork has been performed in conformity with recommendations contained in the report.			
6.0 CULTURAL RESOURCES					
6-1	Cultural Resources—Potential for substantial adverse change to a Significant Cultural Resource.	<p>Mitigation Measure 6-1: Modify Project Plans to Avoid Potentially Significant Cultural Resources and Actively Monitor Resources for Indirect Effects.</p> <p>The County will prepare detailed design of trails, roads, and Park facilities to ensure that direct effects associated with project implementation avoids all significant and potentially significant documented cultural resources in the project area. As part of the County’s ongoing operational responsibility, usage trends that threaten any potentially significant documented cultural resources will be actively managed to avoid damage. If designing such trails and facilities to avoid potential impacts is not feasible or if management of Park usage indicates potential impacts to significant or potentially significant cultural resources, an approved treatment plan shall be drafted and implemented to mitigate the significant impacts. Such a plan may include one or more of the following elements:</p> <ul style="list-style-type: none"> ▶ vegetation removal and surface inspection; ▶ ethnographic studies or Native American consultation, or both; ▶ subsurface testing; and ▶ if necessary, data recovery. 	County and contractors	Prior to and during construction	County
6-2	Cultural Resources—Potential for Disturbance of Undiscovered Cultural Resources.	<p>Mitigation Measure 6-2: Protect Previously Unknown Cultural Resources.</p> <p>Given the potential for subsurface deposits, if undocumented resources are encountered during construction, all destructive work in the vicinity of the find shall cease until a qualified professional archaeologist can assess the significance of the find and, if appropriate, provide recommendations for treatment. Appropriate measures for treatment may include no action, avoidance of the</p>	County and contractors	During construction	County

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Impact Number	Impact	Mitigation Measure	Implementation/ Monitoring Responsibility	Timing/ Schedule	Verification Responsibility
		resource through relocation of Park facilities, subsurface testing, and potentially data recovery. For any such discovery, a memorandum documenting the results of the evaluation shall be provided to the County by the archaeologist, and the County shall forward the memorandum to the California Department of Parks and Recreation and the State Historic Preservation Officer.			
6-3	Cultural Resources—Potential for Disturbance of Unknown Human Interments.	<p>Mitigation Measure 6-3: Stop Potentially Damaging Work if Human Remains are Uncovered during Construction.</p> <p>In accordance with the California Health and Safety Code, if human remains are uncovered during ground-disturbing activities, the construction contractor or the County, or both, shall immediately halt potentially damaging excavation in the area of the burial and notify the County coroner and a qualified professional archaeologist to determine the nature of the remains. The coroner shall examine all discoveries of human remains within 48 hours of receiving notice of a discovery on private or state lands, in accordance with Section 7050(b) of the Health and Safety Code. If the coroner determines that the remains are those of a Native American, he or she shall contact the Native American Heritage Commission (NAHC) by phone within 24 hours of making that determination (Health and Safety Code Section 7050[c]). After the coroner’s findings are presented, the County, the archaeologist, and the NAHC-designated Most Likely Descendant (MLD) shall determine the ultimate treatment and disposition of the remains and take appropriate steps to ensure that additional human interments are not disturbed.</p> <p>Upon the discovery of Native American remains, the procedures above regarding involvement of the County coroner, notification of the NAHC, and identification of a MLD shall be followed. The County shall ensure that the immediate vicinity (according to generally accepted cultural or archaeological standards and practices) is not damaged or disturbed by further development activity until consultation with the MLD has taken place. The MLD shall have 48 hours after being granted access to the site to complete a site inspection and make recommendations. A range of possible treatments for the remains may be discussed: nondestructive</p>	County and contractors	During construction	County

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		<p>removal and analysis, preservation in place, relinquishment of the remains and associated items to the descendants, or other culturally appropriate treatment. Assembly Bill (AB) 2641 (Chapter 863, Statutes of 2006) suggests that the concerned parties may extend discussions beyond the initial 48 hours to allow for the discovery of additional remains. AB 2641 includes a list of site protection measures and states that the County shall comply with one or more of the following measures:</p> <ul style="list-style-type: none"> ▶ Record the site with the NAHC or the appropriate Information Center. ▶ Utilize an open-space or conservation zoning designation or easement. ▶ Record a document with the county in which the property is located. <p>The County or its authorized representative shall rebury the Native American human remains and associated grave goods with appropriate dignity on the property in a location not subject to further subsurface disturbance if the NAHC is unable to identify a MLD, or if the MLD fails to make a recommendation within 48 hours after being granted access to the site. The County or its authorized representative may also reinter the remains in a location not subject to further disturbance if it rejects the recommendation of the MLD, and mediation by the NAHC fails to provide measures acceptable to the landowner. Adherence to these procedures and other provisions of the California Health and Safety Code and AB 2641 would reduce potential impacts on human remains to a less-than-significant level.</p>			
6-4	Tribal Cultural Resources	<p>Mitigation Measure S6-4: Post Ground-Disturbance Site Visit</p> <p>Although no unique archaeological resources have been identified within the project development areas and the NAHC Sacred Lands database search was negative, there is a possibility that resources which UAIC or Colfax Todds Valley tribal members consider to be Tribal Cultural Resources could be unearthed during project construction.</p>	County	During construction	County

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Impact Number	Impact	Mitigation Measure	Implementation/ Monitoring Responsibility	Timing/ Schedule	Verification Responsibility
		<p>Once new trails and/or parking areas have been graded and prior to the new trails and/or parking areas being opened to the public, the County will notify the UAIC and the Colfax Todds Valley Consolidated Tribe so they may conduct an additional site visit, if they desire.</p> <p>In addition, if tribal cultural resources are identified that have the potential to be adversely affected by the project, Placer County will work with the tribes to minimize those impacts. Examples of impact minimization could include:</p> <ul style="list-style-type: none"> (1) avoidance and preservation of the resources in place, including, but not limited to, planning and construction to avoid the resources and protect the cultural and natural context (2) treating the resource with culturally appropriate dignity, taking into account the tribal cultural values and meaning of the resource, including, but not limited to, the following: <ul style="list-style-type: none"> (A) protecting the cultural character and integrity of the resource; (B) protecting the traditional use of the resource; or (C) protecting the confidentiality of the resource. 			
7.0 VISUAL RESOURCES					
7-3	Visual Resources—Long-Term Changes in Visual Resources Associated with the Improvements to Garden Bar Road and Curtola Ranch Road.	<p>Mitigation Measure 7-1: Revegetate and Restore All Disturbed Areas to Minimize Visual Quality Impacts.</p> <p>To address the potential degradation of visual quality resulting from tree removal, the County shall revegetate and restore all disturbed areas. Revegetation undertaken between April 1 and October 1 shall include regular watering to ensure adequate initial growth. To the extent feasible, restoration of trees and shrubs shall reduce visual impacts for affected properties. Revegetation of disturbed areas shall promote restoration of vegetation over time that is as consistent as feasible with the surrounding natural landscape, recognizing constraints of the right-of-way and available space. The County shall prepare a restoration and revegetation plan that implements actions intended to mitigate the impacts on trees and vegetation removed</p>	County and Contractors	Following construction	County

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		along Garden Bar Road. The plan will be prepared in conjunction with detailed roadway engineering design, so that precise areas of disturbance are known and the revegetation process can be coordinated with roadway implementation. Portions of the revegetation plan may be implemented on adjacent property outside the County road right-of-way by agreements with willing property owners.			
		<p>See Mitigation Measure S12-7 below, “Biological Resources”: Protect Oak Woodland Habitat</p> <p>If removal of native trees larger than 6 inches dbh is required during construction of the proposed project, the County shall compensate for removal of those trees by paying in-lieu fees into the County approved oak woodland preservation fund as stipulated in the Placer County Tree Ordinance and in consultation with a certified arborist.</p>	County	Prior to construction	County
8.0 TRANSPORTATION AND CIRCULATION					
8.4	<p>Conflict with adopted program, plan, ordinance, or policy addressing the circulation system, including transit, roadway, bicycle and pedestrian facilities—Increase in Traffic Impacts Associated with Project Access.</p>	<p>Mitigation Measure S8-4: Prepare Improvement Plans and Construct Improvements for Access to Twilight Ride</p> <p>With the initial Phase of the parking space construction and access at the Twilight Ride site, Improvement Plans shall be prepared showing the construction of a driveway encroachment onto Bell Road to a Plate 116 Major Land Development Manual standard, unless an alternative is approved by the County Department of Public Works that results in an equal level of performance based on the considerations listed in General Plan Policy 3.A.7(5) (listed earlier in this chapter). The design speed along Bell Road shall be 40 miles per hour, unless an alternate design speed is approved by the Department of Public Works (DPW). The improvements shall begin at the outside edge of any future lane(s) as directed by the DPW and the Engineering and Surveying Division (ESD). The Plate 116 structural section within the main roadway right-of-way shall be designed for a Traffic Index of 7.5 but said section shall not be less than 3 inches of Hot Mix Asphalt (HMA) over 8 inches of Class 2 Aggregate Base (AB) unless otherwise approved by the ESD.</p>	County and Contractors	Prior to construction of Phase 1 at Twilight Ride Parcel	County

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Impact Number	Impact	Mitigation Measure	Implementation/ Monitoring Responsibility	Timing/ Schedule	Verification Responsibility
		<p>Mitigation Measure S8-5: Construct Left Turn Lane at Access to Twilight Ride</p> <p>Prior to operation of Phase 2 (time at which point 75 percent of the parking stalls at the Twilight Ride access are constructed), Improvement Plans meeting County standards shall be prepared showing the construction of a left turn lane at the Twilight Ride access encroachment from Bell Road onto the site to the satisfaction of the Department of Public Works. Traffic stripe removal, new striping and pavement markings shall conform to criteria specified in the latest version of the Caltrans Highway Design Manual for a design speed of 40 miles per hour (mph), unless an alternative is approved by the Department of Public Works.</p>	County and Contractors	Prior to operation of Phase 2 at Twilight Ride Parcel	County
8-5	<p>Cause a substantial increase in hazards to motorists, pedestrians, and bicyclists attributable to a geometric design feature or incompatible uses.</p>	<p>Mitigation Measure S8-1: Implement Traffic Control Measures During Park Reservation-Based Events.</p> <p>Reservation-based events (involving less than 200 people on-site at a given time) entering at the Garden Bar entrance would be regulated by the County Parks Division Reservation System. The Reservation System would include, but not be limited to, applicable restrictions on:</p> <ul style="list-style-type: none"> ▶ number of events – limited to six (6) times per year; ▶ event start and end times so as to minimize impacts to traffic along Garden Bar Road and not to exceed peak usage capacity or coincide with scheduled use of the road by school buses; ▶ regulate the days and/or times of reservation-based events to avoid peak days or times such as holiday weekends, as necessary; ▶ regulation of number and types of vehicles so as not to exceed parking capacity of the unimproved event parking area at the Garden Bar 40 parking area in combination with daily use. The County may regulate the days and/or times of reservation-based events to avoid peak days or times such as holiday weekends, as necessary. 	County and Permittee	Following construction during reservation-based events at Garden Bar	County

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		<p>Mitigation Measure S8-2. Install No Parking Signs to discourage Pedestrian Travel on Local Roads</p> <p>Prior to the use of the new parking areas, install “No Parking” signs along public roads serving the Project site as authorized by the Placer County Board of Supervisors to discourage offsite parking and limit pedestrian movement between offsite street parking and each project entry. If parking on side streets near park entrances becomes a repetitive problem, the County shall institute “No Parking” areas along the impacted portions of the roadways.</p>	County	Prior to use of new parking areas	County
		<p>Mitigation Measure S8-3. Install or Upgrade Traffic Control Devices along Cramer Road</p> <p>Prior to the public use of the Twilight Ride facility in Phase 1, install or upgrade traffic control devices along Cramer Road to meet current MUTCD standards for message, location and sign condition to the satisfaction of the Department of Public Works.</p>	County	Prior to public use of the Twilight Ride facility in Phase 1	County
		<p>See Mitigation Measure S8-4 above. Prepare Improvement Plans and Construct Improvements for Access to Twilight Ride</p>	County and Contractors	Prior to construction of Phase 1 at Twilight Ride Parcel	County
9.0 AIR QUALITY					
9-3	Air Quality—Exposure of Sensitive Receptors to Emissions of Toxic Air Contaminants (TACs).	<p>Mitigation Measure 9-1: Conduct On-Site Soil Testing and Prepare and Implement an Asbestos Dust Control Plan, If Needed.</p> <p>Prior to construction activity, the County shall test the on-site soils for the presence of asbestos. If naturally-occurring asbestos, serpentine, or ultramafic rock is either known to be located onsite, or is disclosed in the project’s geology/soils survey report, or if the project is located in, partly or entirely, “a most likely” to contain Naturally Occurring Asbestos Area, as shown on the Geologic maps prepared by the California Geologic Survey (formerly the California</p>	County and Contractors	Prior to and during construction	County

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		Division of Mines and Geology), the following measures shall be implemented.			
		<p>The project shall comply with PCAPCD Rule 228 for fugitive dust control. In addition, the County shall prepare an asbestos dust control plan for approval by PCAPCD as required in Section 93105 of the California Health and Safety Code, “Asbestos Airborne Toxic Control Measure for Construction, Grading, Quarrying, and Surface Mining Operations.” The asbestos dust control plan shall specify measures, such as periodic watering to reduce airborne dust and ceasing construction during high winds to ensure that no visible dust crosses the property line. The County shall submit the plan to the County Planning Department for review and PCAPCD for review and approval before construction of the first project phase. Approval of the plan must be received from PCAPCD before any asbestos-containing rock (serpentine) can be disturbed. Upon approval of the asbestos dust control plan by PCAPCD, the County shall ensure that construction contractors implement the terms of the plan throughout the construction period.</p> <p>If asbestos is found in concentrations greater than 5 percent, the material shall not be used as surfacing material as stated in state regulation CCR Title 17 Section 93106 (“Asbestos Airborne Toxic Control Measure-Asbestos Containing Serpentine”). The material with naturally occurring asbestos can be reused at the site for sub-grade material covered by other non-asbestos-containing material in accordance with Placer County APCD Rule 228 and Section 93105, Title 17, California Code of Regulation (CCR) by the California Air Resources Board per Health and safety Code Section 39666.</p> <p>If asbestos containing soil is found on trail surfaces, the asbestos dust control plan shall include provisions including capping or other treatment of trail surfaces to avoid exposure by trail users.</p>	County and contractors	Prior to and during construction	County
		<p>Mitigation Measure S9-2: List Standard Air Quality Notes on Grading and Improvement Plans.</p> <p>The following standard notes shall be listed on all Grading/Improvement Plans:</p>	County and Contractors	During Preparation of grading/improvement plans	County

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		<p>a. Prior to construction activity, a Dust Control Plan or Asbestos Dust Mitigation Plan shall be submitted to the Placer County Air Pollution Control District (PCAPCD). The Dust Control Plan shall be submitted to the PCAPCD a minimum of 21 days before construction activity is scheduled to commence. The Dust Control Plan can be submitted online via the fill-in form: http://www.placerair.org/dustcontrolrequirements/dustcontrolform.</p> <p>b. Construction equipment exhaust emissions shall not exceed the PCAPCD Rule 202 Visible Emissions limitations. Operators of vehicles and equipment found to exceed opacity limits are to be immediately notified by the PCAPCD to cease operations, and the equipment must be repaired within 72 hours.</p> <p>c. Dry mechanical sweeping is prohibited. Watering of a construction site shall be carried out to mitigate visible emissions. (Based on PCAPCD Rule 228 / Section 301).</p> <p>d. The contractor shall apply water or use methods to control dust impacts offsite. Construction vehicles leaving the site shall be cleaned to prevent dust, silt, mud, and dirt from being released or tracked offsite. (Based on PCAPCD Rule 228 / section 304).</p> <p>e. During construction activity, traffic speeds on all unpaved surfaces shall be limited to 15 miles per hour or less unless the road surface and surrounding area is sufficiently stabilized to prevent vehicles and equipment traveling more than 15 miles per hour from emitting dust or visible emissions from crossing the project boundary line. (Based on PCAPCD Rule 228 / section 401.2).</p> <p>f. The contractor shall suspend all grading operations when fugitive dust exceeds the PCAPCD Rule 228 (Fugitive Dust) limitations. Visible emissions of fugitive dust shall not exceed 40% opacity, nor go beyond the property boundary at any time. Lime or other drying agents utilized to dry out wet grading areas shall not exceed PCAPCD Rule 228 limitations. (Based on PCAPCD Rule 228 / section 302 & 401.4).</p> <p>g. The prime contractor shall be responsible for keeping adjacent public thoroughfares clean by keeping dust, silt, mud, dirt, and</p>		and during construction	

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		<p>debris from being released or tracked offsite. Wet broom or other methods can be deployed as control and as approved by the individual jurisdiction. (Based on PCAPCD Rule 228/ section 401.5).</p> <p>h. The contractor shall suspend all grading operations when wind speeds (including instantaneous gusts) are high enough to result in dust emissions crossing the boundary line, despite the application of dust mitigation measures. (Based on PCAPCD Rule 228 / section 401.6).</p> <p>i. To minimize wind-driven dust during construction, the prime contractor shall apply methods such as surface stabilization, the establishment of a vegetative cover, paving (or use of another method to control dust as approved by Placer County). (Based on PCAPCD Rule 228 / section 402).</p> <p>j. The contractor shall not discharge into the atmosphere volatile organic compounds caused by the use or manufacture of Cutback or Emulsified asphalts for paving, road construction or road maintenance unless such manufacture or use complies with the provisions of Rule 217 Cutback and Emulsified Asphalt Paving Materials.</p> <p>k. During construction, open burning of removed vegetation is only allowed under PCAPCD Rule 304 Land Development Smoke Management. A Placer County Air Pollution Control District permit could be issued for land development burning, if the vegetation removed is for residential development purposes from the property of a single or two-family dwelling or when the applicant has provided a demonstration as per Section 400 of the Rule that there is no practical alternative to burning and that the Air Pollution Control Officer (APCO) has determined that the demonstration has been made. The APCO may weigh the relative impacts of burning on air quality in requiring a more persuasive demonstration for more densely populated regions for a large proposed burn versus a smaller one. In some cases, all of the removed vegetative material shall be either chipped on site or</p>			

Table 4-1. Mitigation Monitoring and Reporting Program

Impact Number	Impact	Mitigation Measure	Implementation/ Monitoring Responsibility	Timing/ Schedule	Verification Responsibility
		<p>taken to an appropriate recycling site, or if a site is not available, a licensed disposal site. (Based on PCAPCD Rule 304).</p> <p>l. Any device or process that discharges 2 pounds per day or more of air contaminants into the atmosphere, as defined by Health and Safety Code Section 39013, may require an PCAPCD permit. Developers/contractors should contact the PCAPCD before construction and obtain any necessary permits before the issuance of a Building Permit. (PCAPCD Rule 501).</p> <p>m. The contractor shall utilize existing power sources (e.g., power poles) or clean fuel (e.g., gasoline, biodiesel, natural gas) generators rather than temporary diesel power generators.</p> <p>n. The contractor shall minimize idling time to a maximum of 5 minutes for all diesel-powered equipment. (Placer County Code Chapter 10, Article 10.14).</p> <p>o. Idling of construction-related equipment and construction-related vehicles shall be minimized within 1,000 feet of any sensitive receptor (i.e., house, hospital, or school).</p>			
10.0 NOISE					
10-3	Noise—Increases in Transportation-Related Noise Levels.	<p>Mitigation Measure 10-1: Restrict General Public Traffic to 6 a.m. to 30 Minutes after Sunset.</p> <p>The County shall restrict all long-term general public traffic to 6 a.m. to 30 minutes after sunset by ensuring that the Park gates are closed and locked until these times.</p>	County	Following construction of Phase 1 allowing public access	County
		<p>Mitigation Measure S10-2: Use of pavement or similar hard material is required when laying the final surface on access roads and limit vehicle speeds to 25 mph</p> <p>The County shall use paving or similar hard surfacing material when constructing new access roads to reduce tire noise generated from interaction with gravel. Vehicle speeds on the newly constructed access roads shall be limited to 25 mph.</p>	County and Contractors	During construction/upgrades to access roads	County

Table 4-1. Mitigation Monitoring and Reporting Program

Impact Number	Impact	Mitigation Measure	Implementation/ Monitoring Responsibility	Timing/ Schedule	Verification Responsibility
11.0 HYDROLOGY AND WATER QUALITY					
11-1	<p>Hydrology and Water Quality— Potential for Short-Term, Construction-Related Soil Erosion and Impairment of Water Quality.</p>	<p>Mitigation Measure 11-1: Prepare and Implement a Grading and Drainage Plan.</p> <p>The County shall prepare and submit Grading and Drainage Plans (Plans) and specifications (per the requirements of Section II of the Land Development Manual that are in effect at the time of submittal) for review and approval of work associated with structural design, hydrology associated with the bridges, and grading/drainage associated with the facility development zone. The Plans shall show all conditions affecting those facilities as well as pertinent topographical features. All existing and proposed utilities and easements, on-site and adjacent to those facilities, which may be affected by planned construction, shall be shown on the plans. The County shall pay plan check and inspection fees as applicable.</p> <p>All proposed grading, drainage improvements, vegetation, tree impacts, and tree removal associated with the Park access road, parking areas, and bridges shall be shown on the Plans and all work shall conform to provisions of the County Grading Ordinance (Section 15.48, formerly Chapter 29, Placer County Code) and the Placer County Flood Control District's Stormwater Management Manual. No grading, clearing, or tree disturbance shall occur until the Plans are approved and any required temporary construction fencing has been installed and inspected by a member of the Design Review Committee. All cut/fill slopes included in the Plans shall be at 2:1 (horizontal: vertical) maximum unless a soils report supports a steeper slope and Design Review Committee concurs with said recommendation.</p> <p>In addition, a drainage report in conformance with the requirements of Section 5 of the Land Development Manual and the Placer County Storm Water Management Manual that are in effect at the time of submittal, shall be prepared and submitted with the Plans. The report shall be prepared by a Registered Civil Engineer and shall, at a minimum, include: written text addressing existing conditions, the effects of the improvements, all appropriate calculations, a watershed map, increases in downstream flows,</p>	County and contractors	Prior to and during construction	County

Table 4-1. Mitigation Monitoring and Reporting Program

Impact Number	Impact	Mitigation Measure	Implementation/ Monitoring Responsibility	Timing/ Schedule	Verification Responsibility
		<p>proposed on- and off-site improvements and drainage easements to accommodate flows from this project. The report shall identify water quality protection features and methods to be used both during construction and for long-term post-construction water quality protection. Best Management Practice (BMP) measures shall be provided to reduce erosion, water quality degradation, and prevent the discharge of pollutants to stormwater to the maximum extent practicable.</p> <p>In addition, routine maintenance shall be performed on Park facilities to reduce erosion to the extent possible and to repair weather-related damage that could contribute to erosion.</p>			
		<p>See Mitigation Measure S5-1 above, “Soils, Geology, and Seismicity”: Obtain Authorization for Construction and Operation Activities from the Central Valley Regional Water Quality Control Board and Implement Erosion and Sediment Control Measures as Required</p>	County and contractors	Prior to, during and following construction	County and Central Valley Regional Water Quality Control Board
11-2	<p>Hydrology and Water Quality—Potential for Long-Term Soil Erosion and Impairment of Water Quality.</p>	<p>See Mitigation Measure 11-1 above: “Prepare and Implement a Grading and Drainage Plan”</p>	County and contractors	Prior to and during construction	County
		<p>See Mitigation Measure S5-1 above, “Soils, Geology, and Seismicity”: Obtain Authorization for Construction and Operation Activities from the Central Valley Regional Water Quality Control Board and Implement Erosion and Sediment Control Measures as Required</p>	County and contractors	Prior to, during and following construction	County and Central Valley Regional Water Quality Control Board
11-3	<p>Hydrology and Water Quality—Change in the Quality of Groundwater related to Installation of a Septic System.</p>	<p>Mitigation Measure 11-2: Implement Groundwater Protection through a Transient Non-community Water System Permit.</p> <p>A HFRP Groundwater Systems Operation Procedure is in place for the existing well serving the restroom and facilities at the Mears Place parking area as well as the existing well at the ranch house. Pump performance and system leakage inspections are part of the regular maintenance routine under this procedure. One Park staff</p>	County	Prior to construction and throughout the life of the project	County

Table 4-1. Mitigation Monitoring and Reporting Program

Impact Number	Impact	Mitigation Measure	Implementation/ Monitoring Responsibility	Timing/ Schedule	Verification Responsibility
		<p>member is trained and tasked with water sampling at monthly intervals. The County employs qualified plumbers and electricians to correct any system failures. The Placer County Parks Division, which is a division of the Department of Public Works, operates the well and distribution system serving the public facilities at the existing Mears Place parking area under a Transient Non-community Water System Permit administered by the Placer County Environmental Health Department.</p> <p>A separate permit would be obtained to include any additional wells that serve public facilities within the existing HFRP or trails expansion areas, and the conditions of the permit would be implemented to protect groundwater. The siting of any additional wells shall comply with the Placer County Water Well Construction Ordinance (Placer County Code Subchapter 8, effective July 19, 1990), and California Well Standards, Department of Water Resources Bulletin 74-90, June 1991.</p> <p>A Groundwater Systems Operation Procedure or applicable equivalent would be prepared for any additional wells and adhered to as part of the permit conditions and ongoing operation. The objectives of the procedure shall be to ensure that:</p> <ul style="list-style-type: none"> ▶ Water sources are not at risk of contamination from either tampering, pollutant discharge into the well head area, or latent groundwater contaminants. ▶ The responsible management agency has the technical capacity to operate the system to public health standards. <p>The procedure would include the following elements:</p> <ul style="list-style-type: none"> ▶ The minimum horizontal distance between any additional wells and any sewer line or storm drain main or lateral shall be 50 feet. The minimum horizontal distance between any additional wells and septic tanks or leach fields shall be 100 feet. ▶ A Bacteriological and Chemical Monitoring and Reporting Program, approved by the Placer County Environmental Health Division. 			

Table 4-1. Mitigation Monitoring and Reporting Program

Impact Number	Impact	Mitigation Measure	Implementation/ Monitoring Responsibility	Timing/ Schedule	Verification Responsibility
		<ul style="list-style-type: none"> ▶ An operations and maintenance program including inspection of the distribution system and well head assembly. ▶ An emergency operations and repair program. <p>If well-monitoring samples show that groundwater quality is deteriorating, prompt actions shall be initiated to remedy problems, as specified by the Placer County Environmental Health Division and/or Central Valley RWQCB. These actions could include but would not be limited to the use of injection wells or other recharge methods, closing the well and chlorinating the water, decommissioning the well and re-siting, or other water treatment alternatives such as construction of an on- or off-site water treatment plant. Some of these actions may be subject to additional CEQA analysis and other regulatory compliance. Implementation of Mitigation Measure 11-2 would reduce the potentially significant impact related to groundwater quality impairment to a less-than-significant level, because the Groundwater Systems Operation Procedure would enable the project applicant(s) to acquire the data and information necessary to manage the groundwater resource such that adverse impacts do not occur. This would enable detection of any negative changes to groundwater quality or quantity. If necessary, additional strategies to maintain the quality of groundwater at the project site and downgradient would be implemented following additional CEQA review.</p>			
11-4	Hydrology and Water Quality— Change in the Supply and Availability of Groundwater through Withdrawals, Interception, or Loss of Recharge Capacity.	See Mitigation Measure 11-2 above: Implement Groundwater Protection through a Transient Non-community Water System Permit;	County and contractors	Prior to and during construction	County
		Mitigation Measure 11-3: Calculate Water Demands for Fire Suppression. If groundwater is to be used for emergency fire suppression water, the County shall amend the April 7, 2009, Water Demand Calculation	County	Prior to construction	County

Table 4-1. Mitigation Monitoring and Reporting Program

Impact Number	Impact	Mitigation Measure	Implementation/ Monitoring Responsibility	Timing/ Schedule	Verification Responsibility
		<p>Report (Placer County 2009) to include fire suppression water requirements. If it is found that fire suppression requirements combined with water demands for other proposed uses is consistent with yields found in nearby private wells (1.3 to 7 gpm) then no further mitigation is required. If fire suppression requirement surpasses yields found in nearby private wells, one of the following shall be done:</p> <ul style="list-style-type: none"> ▶ modify proposed uses at each well location to be consistent with available water that would not surpass similar yields of nearby wells; ▶ utilize Nevada Irrigation District raw irrigation water sources including but not limited to existing canals and ponds, new ponds, and/or irrigation fed underground storage tanks; ▶ fill storage tanks during off-peak periods when use is limited (i.e. winter and nighttime periods); ▶ import water needed to meet fire suppression requirements for emergency storage tanks via water trucks so that this water is not being pulled from the wells. 			
12.0 BIOLOGICAL RESOURCES					
12-1	Biological Resources—Potential Disturbance of Aquatic Habitats and the Native Fish Community.	<p>Mitigation Measure S12-1: Implement Measures to Protect Aquatic Habitats and the Native Fish Community.</p> <p>The County and its primary construction contractor shall implement the following measures to reduce impacts on aquatic habitats and the native fish community in the project area:</p> <ul style="list-style-type: none"> ▶ All in-water construction activities shall be conducted during months when sensitive fish species are less likely to be present or less susceptible to disturbance (i.e., April 15 – October 15 or as directed by CDFW). ▶ The County shall obtain and implement the conditions of a California Fish and Game Code Section 1600 streambed alteration agreement. CDFW shall be consulted regarding potential disturbance to fish habitat, including SRA habitat, as 	County and contractors	During construction	County and California Department of Fish and Wildlife (formerly DFG)

Table 4-1. Mitigation Monitoring and Reporting Program

Impact Number	Impact	Mitigation Measure	Implementation/ Monitoring Responsibility	Timing/ Schedule	Verification Responsibility
		<p>part of the process for obtaining a streambed alteration agreement, pursuant to Section 1602 of the California Fish and Game Code. Affected habitats shall be replaced and/or rehabilitated to the extent feasible and practicable. The acreage of riparian habitat that would be removed shall be replaced or rehabilitated on a “no-net-loss” basis in accordance with CDFW regulations and as specified in the streambed alteration agreement. Habitat restoration, rehabilitation, and/or replacement shall be at a location and by methods agreeable to CDFW. Minimization and compensation measures adopted through the permitting process shall be implemented.</p> <ul style="list-style-type: none"> ▶ In the event the Placer County Conservation Program is adopted prior to submittal of improvement plans for this project or prior to the project’s own State and federal permits being obtained for effects associated with listed species and their habitats, waters of the State, and waters of the U.S., then Mitigation Measure 12-2 may be replaced with the PCCP’s mitigation fees and conditions on covered activities to address this resource impact and avoidance and minimization measures as set forth in the PCCP implementation document to the extent compliance with the PCCP provides equal or greater mitigation or reduction in the significance of impacts. If PCCP enrollment is chosen and/or required by the State and federal agencies as mitigation for one or more biological resource area impacts, then the PCCP avoidance, minimization and mitigation measures shall apply only to those species, habitat types, and waters that are covered by the PCCP. ▶ The County shall consult and coordinate with CDFW to develop regulations and limits for angling in Raccoon Creek, restrict angling activities while adult steelhead and salmon are present, and coordinate on enforcement of the area to monitor and regulate fishing activities. 			
		<p>Mitigation Measure S12-2: Replace, Restore, or Enhance Affected Jurisdictional Waters of the United States and Waters of the State.</p>	County and Contractors	Prior to construction	County, Central Valley Regional Water Quality Control Board,

Table 4-1. Mitigation Monitoring and Reporting Program

Impact Number	Impact	Mitigation Measure	Implementation/ Monitoring Responsibility	Timing/ Schedule	Verification Responsibility
		<ul style="list-style-type: none"> ▶ Prior to construction, the County shall obtain a verified wetland delineation from USACE. Based on the results of the verified delineation, the County shall commit to replace, restore, or enhance on a “no net loss” basis, in accordance with USACE and the Central Valley RWQCB, the acreage of all waters of the United States and wetland habitats that would be affected by implementation of the project. Wetland restoration, enhancement, and/or replacement shall be at a location and by methods agreeable to USACE, CDFW, and the Central Valley RWQCB, as determined during the Sections 404, 1602, and 401 permitting processes. ▶ Authorization for the fill of jurisdictional waters of the United States shall be secured from USACE through the CWA Section 404 permitting process before any fill is placed in jurisdictional wetlands. Timing of compliance with the specific conditions of the 404 permit shall be in accordance with conditions specified by USACE as part of permit issuance. In its final stage and once approved by USACE, this mitigation plan shall detail proposed wetland restoration, enhancement, and/or replacement activities that would ensure no net loss of jurisdictional wetlands function and services in the project vicinity. As required by Section 404, approval and implementation of the wetland mitigation and monitoring plan shall ensure no net loss of jurisdictional waters of the United States, including jurisdictional wetlands. ▶ In the event the Placer County Conservation Program (PCCP) is adopted prior to submittal of improvement plans for this project or prior to the project’s own State and federal permits being obtained for effects associated with listed species and their habitats, waters of the State, and waters of the U.S., then Mitigation Measure 12-2 may be replaced with the PCCP’s mitigation fees and conditions on covered activities to address this resource impact and avoidance and minimization measures as set forth in the PCCP implementation document to the extent compliance with the PCCP provides equal or greater mitigation or reduction in the significance of impacts. If PCCP enrollment is chosen and/or required by the State and federal agencies as 			<p>California Department of Fish and Wildlife, and U.S. Army Corps of Engineers</p>

Table 4-1. Mitigation Monitoring and Reporting Program

Impact Number	Impact	Mitigation Measure	Implementation/ Monitoring Responsibility	Timing/ Schedule	Verification Responsibility
		<p>mitigation for one or more biological resource area impacts, then the PCCP avoidance, minimization and mitigation measures shall apply only to those species, habitat types, and waters that are covered by the PCCP.</p> <ul style="list-style-type: none"> ▶ Alternatively, if the project proceeds before adoption of the PCCP or if the PCCP is not approved, the applicant may choose to utilize the Western Placer County Voluntary Interim In Lieu Fee Program (VIILF) to satisfy USACE and RWQCB mitigation requirements for the project’s impacts to aquatic resources. The applicant shall be required to enter into both a Western Placer County In Lieu Fee Program Credit Transfer Agreement and an Interim Fee Credit Agreement with the County. If the VIILF is chosen, then Mitigation Measure 12-2 may be replaced with the payment of the interim fee. ▶ Water quality certification pursuant to Section 401 of the CWA is required as a condition of issuance of the 404 permit. Before construction in any areas containing wetland features, the County shall obtain water quality certification for the project. Any measures required as part of the issuance of water quality certification shall be implemented. 			
		<p>See Mitigation Measure S5-1 above, “Soils, Geology, and Seismicity”: Obtain Authorization for Construction and Operation Activities from the Central Valley Regional Water Quality Control Boards and Implement Erosion and Sediment Control Measures as Required</p>	<p>County and contractors</p>	<p>Prior to, during and following construction</p>	<p>County and Central Valley Regional Water Quality Control Board</p>
<p>12-2</p>	<p>Biological Resources—Potential Disturbance of California Red-Legged Frog.</p>	<p>Mitigation Measure S12-3: Implement Measures to Protect California Red-Legged Frog.</p> <p>The County and its primary construction contractor shall implement the following measures to reduce impacts on California red-legged frogs:</p> <ul style="list-style-type: none"> ▶ Before any work in or within 200 feet of aquatic habitat, the County shall determine whether aquatic habitat is occupied by California red-legged frog, in consultation with USFWS. This determination may be supported by a habitat assessment for 	<p>County and contractors</p>	<p>Prior to and during construction</p>	<p>County and U.S. Fish and Wildlife Service</p>

Table 4-1. Mitigation Monitoring and Reporting Program

Impact Number	Impact	Mitigation Measure	Implementation/ Monitoring Responsibility	Timing/ Schedule	Verification Responsibility
		<p>California red-legged frog prepared according to USFWS guidelines (USFWS 2005) as revised, and focused surveys if recommended by USFWS. If aquatic habitat in the project area is not occupied by California red-legged frog, there would be no impacts on this species and no further mitigation would be required.</p> <ul style="list-style-type: none"> ▶ If aquatic habitat in the project area is occupied by California red-legged frog, the County shall minimize impacts on California red-legged frog by implementing the following measures: <ul style="list-style-type: none"> ▪ Worker awareness training shall be provided to construction crews working in California red-legged frog habitat. At a minimum, the training shall include a description of California red-legged frog and its habitat and their importance, general measures that are being implemented to conserve California red-legged frog as such measures relate to the project, and the boundaries within which construction activities shall occur. ▪ Suitable California red-legged frog habitat shall be surveyed 2 weeks before the start of construction activities. If California red-legged frogs, tadpoles, or eggs are found, they may be moved from the project area only by a qualified and permitted biologist and with project-specific regulatory agency approval. If California red-legged frogs are not identified, construction may proceed. ▪ Exclusionary fencing (i.e., silt fences) shall be installed no more than 200 feet around all areas that are within or adjacent to California red-legged frog habitat. ▪ A USFWS-approved biologist shall be present at active project areas until the removal of California red-legged frog, instruction of workers, and habitat disturbance have been completed. After this time, the County shall designate a person to monitor on-site compliance with all minimization measures. ▪ If any work area will be temporarily dewatered by pumping, intakes shall be completely screened with wire mesh not larger than 5 millimeters. Water shall be released downstream at an 			

Table 4-1. Mitigation Monitoring and Reporting Program

Impact Number	Impact	Mitigation Measure	Implementation/ Monitoring Responsibility	Timing/ Schedule	Verification Responsibility
		<p>appropriate rate to maintain downstream flows during construction and in such a manner as to prevent erosion. Dewatering structures shall be removed upon completion of the project.</p> <ul style="list-style-type: none"> ▪ Guidelines shall be implemented to protect water quality and prevent erosion, as outlined in the best management practices (BMPs) in Mitigation Measure 11-1, “Obtain Authorization for Construction Activities with the Central Valley Regional Water Quality Control Board and Implement Erosion and Sediment Control Measures as Required.” ▪ The County shall compensate for permanently lost habitat by developing and/or implementing a habitat creation/restoration plan for California red-legged frog. This plan shall, at a minimum, compensate for lost habitat on an acre-for-acre basis, and it shall include verifiable performance criteria and remediation measures developed with USFWS during the Section 7 consultation process. ▪ In the event the Placer County Conservation Program (PCCP) is adopted prior to submittal of improvement plans for this project or prior to the project’s own State and federal permits being obtained for effects associated with listed species and their habitats, waters of the State, and waters of the U.S., then Mitigation Measure 12-2 may be replaced with the PCCP’s mitigation fees and conditions on covered activities to address this resource impact and avoidance and minimization measures as set forth in the PCCP implementation document to the extent compliance with the PCCP provides equal or greater mitigation or reduction in the significance of impacts. If PCCP enrollment is chosen and/or required by the State and federal agencies as mitigation for one or more biological resource area impacts, then the PCCP avoidance, minimization and mitigation measures shall apply only to those species, habitat types, and waters that are covered by the PCCP. 			

Table 4-1. Mitigation Monitoring and Reporting Program

Impact Number	Impact	Mitigation Measure	Implementation/ Monitoring Responsibility	Timing/ Schedule	Verification Responsibility
12-3	Biological Resources—Potential Disturbance of Foothill Yellow-Legged Frog and Northwestern Pond Turtle.	<p>Mitigation Measure S12-4: Implement Measures to Protect Foothill Yellow-Legged Frog and Northwestern Pond Turtle.</p> <p>The County and its contractor shall implement the following measures to reduce impacts on foothill yellow-legged frogs and northwestern pond turtles:</p> <ul style="list-style-type: none"> ▶ Construction of foot bridges and trails across smaller drainages shall occur when the drainages are dry, to the extent feasible. ▶ Before any work in Racoon Creek, the County shall determine, in consultation with CDFW, whether aquatic habitat at work sites would support foothill yellow-legged frog and/or northwestern pond turtle habitat. If no aquatic habitat for foothill yellow-legged frog or northwestern pond turtle habitat occurs at a work site, there would be no impacts on these species and no further mitigation is required. ▶ If aquatic habitat for foothill yellow-legged frog and/or northwestern pond turtle is present at work sites, the County shall minimize impacts on these species by implementing the following measures: <ul style="list-style-type: none"> • Worker awareness training shall be provided to construction crews working in foothill yellow-legged frog and northwestern pond turtle habitat. At a minimum, the training shall include a description of foothill yellow-legged frog and northwestern pond turtle and their habitats and their importance, general measures that are being implemented to conserve foothill yellow-legged frog and northwestern pond turtle as such measures relate to the project, and the boundaries within which construction activities shall occur. • Suitable foothill yellow-legged frog and northwestern pond turtle aquatic habitat shall be surveyed within 2 weeks before the start of construction activities. If northwestern pond turtles or foothill yellow-legged frogs, tadpoles, or eggs are found, they may be moved from the project area only with CDFW approval and appropriate take permits. If neither northwestern pond turtle nor foothill yellow-legged frog is identified, construction may proceed. 	County and contractors	Prior to and during construction	County and California Department of Fish and Wildlife

Table 4-1. Mitigation Monitoring and Reporting Program

Impact Number	Impact	Mitigation Measure	Implementation/ Monitoring Responsibility	Timing/ Schedule	Verification Responsibility
		<ul style="list-style-type: none"> • A qualified biologist holding the appropriate <u>take</u> permits shall be present at active work sites until the removal of foothill yellow-legged frog and northwestern pond turtle, instruction of workers, and habitat disturbance have been completed. After this time, the County shall designate a person to monitor on-site compliance with all minimization measures. • If any work site will be temporally dewatered by pumping, intakes shall be completely screened with wire mesh not larger than 5 millimeters. Water shall be released downstream at an appropriate rate to maintain downstream flows during construction and in such a manner as to prevent erosion. Dewatering structures shall be removed upon completion of the project. ▶ Alternatively, the County may purchase credit for permanently lost habitat at an approved mitigation bank. ▶ In the event the Placer County Conservation Program (PCCP) is adopted prior to submittal of improvement plans for this project or prior to the project's own State and federal permits being obtained for effects associated with listed species and their habitats, waters of the State, and waters of the U.S., then Mitigation Measure 12-2 may be replaced with the PCCP's mitigation fees and conditions on covered activities to address this resource impact and avoidance and minimization measures as set forth in the PCCP implementation document to the extent compliance with the PCCP provides equal or greater mitigation or reduction in the significance of impacts. If PCCP enrollment is chosen and/or required by the State and federal agencies as mitigation for one or more biological resource area impacts, then the PCCP avoidance, minimization and mitigation measures shall apply only to those species, habitat types, and waters that are covered by the PCCP. ▶ Guidelines shall be implemented to protect water quality and prevent erosion, as outlined in the BMPs in Mitigation Measure 11-1, "Obtain Authorization for Construction Activities with the Central Valley Regional Water Quality Control Board and 			

Table 4-1. Mitigation Monitoring and Reporting Program

Impact Number	Impact	Mitigation Measure	Implementation/ Monitoring Responsibility	Timing/ Schedule	Verification Responsibility
		Implement Erosion and Sediment Control Measures as Required.”			
12-4	Biological Resources—Potential Disturbance of Nests of Raptors and Other Birds.	<p>Mitigation Measure S12-5: Implement Measures to Protect Raptors and Other Nesting Birds.</p> <p>The County and its contractors shall implement the following measures to reduce impacts on raptors and other nesting birds:</p> <ul style="list-style-type: none"> ▶ If construction activities or vegetation removal, including tree and shrub removal, occurs between February 15 and August 31, a qualified biologist shall conduct surveys for nesting birds in the proposed construction area and 500 feet beyond the project construction footprint. Surveys shall be conducted no more than two weeks 3 days before the start of the activity. If no active nests are found, no further mitigation is required, unless construction activities cease for a period of 2 weeks or more. Another pre-construction survey shall be conducted as described above if a lapse in construction activities of two weeks or more occurs. ▶ If any active raptor nests are identified during surveys, then impacts on active raptor nests shall be avoided by establishing a buffer of 500 feet. No construction shall be conducted in the buffer area until a qualified biologist has determined that the young have fledged and that the nest is no longer active. These buffers may be reduced if a qualified biologist determines that such a reduction would not risk auditory or visual disturbance of the nest that might result in nest abandonment or nest failure nest. ▶ If an active golden eagle nest, white tailed kite, American peregrine falcon, or California black rail is located within 0.25-mile of -construction access routes or construction sites, the County shall: <ul style="list-style-type: none"> ○ Notify CDFW of the nest within one working day of discovery of the nest; and ○ Implement recommendations from CDFW to avoid disturbance to golden eagle nesting activities. 	County and contractors	Prior to and during construction	County and California Department of Fish and Wildlife

Table 4-1. Mitigation Monitoring and Reporting Program

Impact Number	Impact	Mitigation Measure	Implementation/ Monitoring Responsibility	Timing/ Schedule	Verification Responsibility
		<ul style="list-style-type: none"> ▶ If active non-raptor nests are detected during the pre-construction surveys, a non-disturbance buffer shall be established around the nest. The size of the buffer shall be at the discretion of the qualified biologist, but shall be sufficiently large to avoid nest disturbance that could result in reproductive failure (i.e., nest abandonment and loss of eggs and/or young). Construction activities within the buffer areas will not resume until the qualified biologist has determined the young have fledged or are no longer at risk of disturbance. ▶ If nests of special-status bird species (Cooper’s or sharp-shinned hawks, peregrine falcons, long-eared owls, yellow warblers, yellow-breasted chat, loggerhead shrike, black rail, or tricolored blackbird colony) are detected nesting in the project area or within 500 feet of project boundaries, the County and its contractors shall coordinate with CDFW to confirm that proposed nesting buffers are sufficient to avoid impacts on nesting activities. ▶ If an active nest is discovered outside of the typical nesting season, it should be avoided using the same avoidance measures that would be applied during the typical nesting season until such time as the young have fully fledged and are foraging independently of their parents ▶ In the event the Placer County Conservation Program (PCCP) is adopted prior to submittal of improvement plans for this project or prior to the project’s own State and federal permits being obtained for effects associated with listed species and their habitats, waters of the State, and waters of the U.S., then Mitigation Measure 12-5 may be replaced with the PCCP’s mitigation fees and conditions on covered activities to address this resource impact and avoidance and minimization measures as set forth in the PCCP implementation document to the extent compliance with the PCCP provides equal or greater mitigation or reduction in the significance of impacts. If PCCP enrollment is chosen and/or required by the State and federal agencies as mitigation for one or more biological resource area impacts, then the PCCP avoidance, minimization and mitigation measures shall 			

Table 4-1. Mitigation Monitoring and Reporting Program

Impact Number	Impact	Mitigation Measure	Implementation/ Monitoring Responsibility	Timing/ Schedule	Verification Responsibility
		apply only to those species, habitat types, and waters that are covered by the PCCP.			
12-5	Biological Resources—Potential Disturbance of Dens and Individual Ringtails.	<p>Mitigation Measure 12-6: Implement Measures to Protect Ringtail and Townsend’s Big-Eared Bat.</p> <p>The County and its contractor shall implement the following measures to protect the dens of ringtails and roost sites of Townsend’s big-eared bat and other bat species:</p> <ul style="list-style-type: none"> ▶ A qualified biologist shall conduct pre-construction surveys to identify bat hibernation roosts and maternity sites and potential ringtail den sites in suitable habitat within 100 feet of proposed trails, bridges, parking areas, and firebreaks (i.e., those areas directly affected by construction). For bats, the bat roost assessment shall be conducted by a qualified biologist with experience identifying bat roosts. Bat surveys should be conducted one year in advance of proposed construction to allow for sufficient time to develop avoidance and mitigation measures in advance of construction. ▶ Trees and rock outcroppings to be removed shall be assessed for potentially suitable colonial roost habitat in advance of removal. The assessment shall focus on mine tunnels, caves, abandoned buildings, and trees and rock outcroppings that exhibit characteristics that provide high quality roost habitat, such as snags with apparent cavities or sloughing bark, large-diameter trees with basal hollows, large diameter trees with indications of senescence (process of deterioration with age), live trees with dead tops, and large rock outcroppings containing fissures or flakes. The survey shall also search for indications of use by ringtails and by bats in suitable roost sites (e.g., scat or guano, urine or oil staining, bat smells, audible bat noises, visible bats). Visual inspections shall be aided as appropriate by the use of spotlights, binoculars, and borescopes, and shall avoid undue disturbance to roosting bats in a sensitive state (e.g., rearing or hibernation). 	County and Contractors	Prior to construction	County and California Department of Fish and Wildlife

Table 4-1. Mitigation Monitoring and Reporting Program

Impact Number	Impact	Mitigation Measure	Implementation/ Monitoring Responsibility	Timing/ Schedule	Verification Responsibility
		<ul style="list-style-type: none"> ▶ For ringtail surveys, den site surveys should focus on trees 5 inches dbh or greater in riparian areas, particularly those with cavities. ▶ The County shall avoid locating trails and other project features within 100 feet of potential bat roosts and ringtail dens. If avoidance is not possible, the County shall survey those locations to determine if they are occupied by the target species. ▶ If removal of a roost site occupied by Townsend’s big-eared bats cannot be avoided, the County will consult with CDFW to determine the appropriate course of action to avoid, minimize, and mitigate for impacts on the roost before removal. The avoidance, minimization, and mitigation measures that are implemented shall meet the following standards: ▶ Tree removal shall be implemented with a staged approach under the guidance of a qualified bat biologist and in coordination with CDFW, with the goal of encouraging bats in residence to leave before habitat is removed. These measures could include limbing the tree a day before felling the tree; opening up the potential roost habitat to introduce disturbing airflow; introducing nighttime lighting or other disturbing elements to the roost area; or excluding bats from the habitat, either physically with the use of one-way doors, or with the use of acoustic deterrents, as practical and as approved by CDFW. ▶ Lost roost habitat will be replaced by either the creation of basal hollows in existing trees, or with constructed artificial roosts. The replacement roost habitat shall provide comparable habitat to the roost that is being removed, and shall be located near suitable foraging habitat, as determined by CDFW. Potential ringtail den sites may be removed only from September through April. The County’s qualified biologist shall verify that the potential den is not occupied immediately before sealing it. 			

Table 4-1. Mitigation Monitoring and Reporting Program

Impact Number	Impact	Mitigation Measure	Implementation/ Monitoring Responsibility	Timing/ Schedule	Verification Responsibility
12-6	Biological Resources—Potential Disturbance of Townsend’s Big-Eared Bat and Other Bat Roosts.	See Mitigation Measure 12-6 above: Implement Measures to Protect Ringtail and Townsend’s Big-Eared Bat	County and Contractors	Prior to construction	County and California Department of Fish and Wildlife
12-8	Biological Resources—Impacts on Waters of the United States and Waters of the State.	See Mitigation Measure S12-2 above: Replace, Restore, or Enhance Affected Jurisdictional Waters of the United States and Waters of the State	County and Contractors	Prior to construction	County, Central Valley Regional Water Quality Control Board, California Department of Fish and Wildlife, and U.S. Army Corps of Engineers
12-9	Biological Resources—Impacts on Oak Woodland Habitat.	<p>Mitigation Measure S12-7: Protect Oak Woodland Habitat</p> <ul style="list-style-type: none"> ▶ Prior to any removal of significant trees (equal to, or greater than, six (6) inches DBH (diameter at breast height) or 10 inches DBH aggregate for multi-trunked trees), the project applicant shall obtain a tree removal permit from Placer County. In conjunction with submittal of a tree removal permit application, the applicant shall submit a site plan showing all protected trees proposed for removal. In accordance with Chapter 12.16.080 of the Placer County Code, the applicant shall comply with any conditions required by the Planning Services Division, which shall include payment of in-lieu fees. In-lieu fees shall be paid into the Placer County Tree Preservation Fund at \$100 per <u>inch of</u> DBH removed or impacted. ▶ In the event the Placer County Conservation Program is adopted prior to submittal of improvement plans for this project or prior to the project’s own State and federal permits being obtained for effects associated with listed species and their habitats, waters of the State, and waters of the U.S., then Mitigation Measure 12-7 	County and Contractors	Prior to and during construction	County

Table 4-1. Mitigation Monitoring and Reporting Program

Impact Number	Impact	Mitigation Measure	Implementation/ Monitoring Responsibility	Timing/ Schedule	Verification Responsibility
		<p>may be replaced with the PCCP's mitigation fees and conditions on covered activities to address this resource impact and avoidance and minimization measures as set forth in the PCCP implementation document to the extent compliance with the PCCP provides equal or greater mitigation or reduction in the significance of impacts. If PCCP enrollment is chosen and/or required by the State and federal agencies as mitigation for one or more biological resource area impacts, then the PCCP avoidance, minimization and mitigation measures shall apply only to those species, habitat types, and waters that are covered by the PCCP.</p> <ul style="list-style-type: none"> ▶ The Site Plans shall include a note and show placement of Temporary Construction Fencing. The applicant shall install a four foot tall, brightly colored (usually yellow or orange), synthetic mesh material fence (or an equivalent approved by the Development Review Committee) at the following locations prior to any construction equipment being moved on-site or any construction activities taking place: <ul style="list-style-type: none"> ▪ Adjacent to any and all open space preserve areas that are within 50 feet of any proposed construction activity; ▪ At the limits of construction, outside the critical root zone of all trees six (6) inches DBH (diameter at breast height), or 10 inches DBH aggregate for multi-trunk trees, within 50 feet of any grading, road improvements, underground utilities, or other development activity; or, ▪ Around any and all "special protection" areas such as open space parcels and wetland features. 			
13.0 PUBLIC SERVICES AND UTILITIES					
13-3	Public Services and Utilities— Increase in Demand for Fire and Emergency Medical Services.	<p>Mitigation Measure S13-1 – County shall purchase one Light Rescue Vehicle for use by the Placer County Fire Department / CAL FIRE</p> <p>In order to navigate further into to the trail system within the expansion areas and to provide a vehicle that can not only aid with emergency medical service requests, but also provide an initial</p>	County	Prior to opening Twilight Ride parking area to the public	County

Table 4-1. Mitigation Monitoring and Reporting Program

Impact Number	Impact	Mitigation Measure	Implementation/ Monitoring Responsibility	Timing/ Schedule	Verification Responsibility
		response with potential wildfires, the County shall fund the purchase of one light rescue vehicle (LRV). The LRV shall be purchased at the completion of the first phase of the Twilight Ride access improvements, and prior to opening of the parking area to the general public.			
13-4	Public Services and Utilities— Increase in Emergency Response Times and Need for Expanded Facilities.	See Mitigation Measure S13-1 above – County shall purchase one Light Rescue Vehicle for use by the Placer County Fire Department/CAL FIRE.	County	Prior to opening Twilight Ride parking area to the public	
14.0 HAZARDOUS MATERIALS AND HAZARDS					
14-2	Hazardous Materials and Hazards—Potential for Release of Hazardous Materials during Construction or Operation.	<p>Mitigation Measure 14-1: Implement Measures to Reduce Hazards Associated with Potential Releases of Hazardous Materials.</p> <p>The County shall ensure that the following measures are implemented before project construction begins:</p> <ul style="list-style-type: none"> ▶ The County or the County’s contractor shall prepare and implement an accidental-spill prevention and response plan for storage and use of hazardous materials during trail construction and maintenance. This plan shall identify measures to prevent accidental spills from leaving the area and methods for responding to and cleaning up spills before neighboring properties are exposed to hazardous materials. ▶ The County shall ensure that any employee handling hazardous materials is trained in the safe handling and storage of hazardous materials and is trained to follow all applicable regulations with regard to such hazardous materials. ▶ The primary construction contractor shall identify a staging area where hazardous materials will be stored during construction, in accordance with applicable state and federal regulations. 	County and contractor	Prior to construction	County

Table 4-1. Mitigation Monitoring and Reporting Program

Impact Number	Impact	Mitigation Measure	Implementation/ Monitoring Responsibility	Timing/ Schedule	Verification Responsibility
		<p>See Mitigation Measure S5-1 above, “Soils, Geology, and Seismicity”: Obtain Authorization for Construction and Operation Activities with the Central Valley Regional Water Quality Control Board and Implement Erosion and Sediment Control Measures as Required</p>	County and Contractors	Prior to, during and following construction	County and Central Valley Regional Water Quality Control Board
14-4	<p>Hazardous Materials and Hazards—Potential Exposure of People to Hazardous Materials.</p>	<p>Mitigation Measure 14-2: Prepare and Implement a Safety Hazard Plan and Conduct Soil Sampling.</p> <p>To avoid health risks to construction workers, Placer County shall require the contractor to prepare and implement a site health and safety plan if areas containing hazardous materials are to be disturbed. This plan will outline measures that will be employed to protect construction workers and the public from exposure to hazardous materials during remediation, demolition, and construction activities. The County shall consult with the contractor to determine the measures to be employed at the site, which could include posting notices, limiting access to the site, monitoring the air quality, watering, and installation of wind fences. Contractors shall be required to comply with state health and safety standards for all demolition work, including compliance with OSHA and Cal/OSHA requirements regarding exposure to ACMs and LBP.</p> <p>For any prospecting or mining resources (Abandoned Mine Lands) that are in close proximity to a project facility, a Phase 2 Limited Soil Sampling (soil sampling) shall be conducted to determine if there are any hazardous materials present on-site. The soil sampling of the tailings shall be conducted during the entitlement process (i.e., conditional use permit). Soil sampling will determine the California Human Health Screening Levels (CHHSL) of the testing protocol (CAM 17 metals, a list of 17 metals found typically in hazardous materials and mining sites). The CHHSLs are a list of 54 hazardous chemicals in soil or soil gas that the California Environmental Protection Agency (Cal/EPA) considers to be below thresholds for risks to human health.</p> <p>The soil sampling results shall be reviewed by Placer County Division of Environmental Health. If the soil sampling results are</p>	County and contractor	Prior to and during construction	County and Department of Toxic Substance Control

Table 4-1. Mitigation Monitoring and Reporting Program

Impact Number	Impact	Mitigation Measure	Implementation/ Monitoring Responsibility	Timing/ Schedule	Verification Responsibility
		<p>above the CHHSLs, then Placer County Division of Environmental Health would refer the project to the DTSC. DTSC requires the project proponent to enter their Voluntary Cleanup Agreement (VCA) program. The VCA typically requires more soil testing to determine the scope of the contamination area. Furthermore, DTSC may require a Preliminary Endangerment Assessment (PEA) and/or a removal action workplan (RAW). The PEA is used to discuss the health risks associated with hazardous materials site releases and the RAW is used to specifically detail the areas of the project area to have soil removed and the contaminated soils disposal at an appropriate solid waste facility. Following soils removal, DTSC issues a “No Further Action” letter indicating that the project site is safe.</p> <p>In addition, the contractor shall prepare and implement a site plan that identifies necessary remediation activities appropriate for proposed land uses, including excavation and removal of on-site contaminated soils, and redistribution of clean fill material within the project area. The plan shall include measures that ensure the safe transport, use, and disposal of contaminated soil and building debris removed from the project area. In the event that contaminated groundwater is encountered during site excavation activities, the contractor shall report the contamination to appropriate regulatory agencies, dewater the excavated area, and treat the contaminated groundwater to remove contaminants before discharge into the sanitary sewer system. The contractor shall be required to comply with the plan and with applicable local, state, and federal laws..</p>			

Table 4-1. Mitigation Monitoring and Reporting Program

Impact Number	Impact	Mitigation Measure	Implementation/ Monitoring Responsibility	Timing/ Schedule	Verification Responsibility
		<p>The soil sampling results shall be reviewed by Placer County Environmental Health Services. If the soil sampling results are above the CHHSLs, then Placer County Environmental Health Services would refer the project to the DTSC. DTSC requires the project proponent to enter their Voluntary Cleanup Agreement (VCA) program. The VCA typically requires more soil testing to determine the scope of the contamination area. Furthermore, DTSC may require a Preliminary Endangerment Assessment (PEA) and/or a removal action workplan (RAW). The PEA is used to discuss the health risks associated with hazardous materials site releases and the RAW is used to specifically detail the areas of the project area to have soil removed and the contaminated soils disposal at an appropriate solid waste facility. Following soils removal, DTSC issues a “No Further Action” letter indicating that the project site is safe.</p> <p>In addition, the contractor shall prepare and implement a site plan that identifies necessary remediation activities appropriate for proposed land uses, including excavation and removal of on-site contaminated soils, and redistribution of clean fill material within the project area. The plan shall include measures that ensure the safe transport, use, and disposal of contaminated soil and building debris removed from the project area. In the event that contaminated groundwater is encountered during site excavation activities, the contractor shall report the contamination to appropriate regulatory agencies, dewater the excavated area, and treat the contaminated groundwater to remove contaminants before discharge into the sanitary sewer system. The contractor shall be required to comply with the plan and with applicable local, state, and federal laws.</p>			

Table 4-1. Mitigation Monitoring and Reporting Program

Impact Number	Impact	Mitigation Measure	Implementation/ Monitoring Responsibility	Timing/ Schedule	Verification Responsibility
16.0 WILDFIRE					
16-1	Wildfire—Potential for increased risk to human health through exposure to uncontrolled wildfire or from construction and maintenance of infrastructure that could spark a wildfire.	<p>Mitigation Measure S16-1a – Curtail certain construction and maintenance activities during high-risk wildfire periods</p> <p>Construction and maintenance activities utilizing motorized equipment shall be curtailed during red-flag warning days and other high-risk periods characterized by low humidity and unusually windy conditions as determined by the Fire Department.</p>	County	During high risk wildfire periods	County
		<p>Mitigation Measure S16-1b – Provide on-site source of water during certain construction and maintenance activities</p> <p>Construction and maintenance activities requiring motorized equipment will maintain a source of water on-site to address a potential ignition event caused by construction and maintenance activities</p>	County and contractor	During construction and maintenance activities that require motorized equipment	County
		<p>See Mitigation Measure S13-1 above - County shall purchase one Light Rescue Vehicle for use by the Placer County Fire Department/CAL FIRE</p>	County	Prior to opening Twilight Ride parking area to the public	County