RUSSIAN RIVER PARKWAY PROJECT

DRAFT MITIGATION MONITORING AND REPORTING PROGRAM

INTRODUCTION

The California Environmental Quality Act (CEQA) and the State CEQA Guidelines (Public Resources Code Section 21081.6 and State CEQA Guidelines Sections 15091[d] and 15097) require public agencies "to adopt a reporting and monitoring program for changes to the project which it has adopted or made a condition of project approval to mitigate or avoid significant effects on the environment." A Mitigation Monitoring and Reporting Program (MMRP) is required for the Russian River Parkway Project (proposed project or project) because the Initial Study/Proposed Mitigated Negative Declaration (IS/MND) identifies potential significant adverse impacts and all feasible mitigation measures have been adopted.

PURPOSE OF MITIGATION MONITORING AND REPORTING PROGRAM

This MMRP has been prepared to facilitate the implementation of mitigation measures. The attached table presents the text of each mitigation measure. The table also includes the timing of each measure's planned implementation, the implementing entity, and the entity with monitoring responsibility.

ROLES AND RESPONSIBILITIES

Unless otherwise specified herein, Sonoma County Regional Parks Department (Regional Parks) is the lead agency for the project and is responsible for taking all actions necessary to implement the mitigation measures under its jurisdiction according to the specifications provided for each measure. Regional Parks is also responsible for reporting that the action has been successfully completed. Regional Parks will be responsible for implementation of mitigation measures pursuant to Section 15097 of the State CEQA Guidelines, and for reporting that Regional Parks staff members and contractors have completed the necessary actions for each measure.

REPORTING

Regional Parks shall document and describe the compliance of the project with the required mitigation measures, either within the attached table or using a separate post-project implementation report.

MITIGATION MONITORING AND REPORTING PROGRAM TABLE

The categories identified in the attached MMRP table are described below.

- Mitigation Measures – This column provides the text of the applicable mitigation measure.
- Implementation Responsibility – This column identifies the party responsible for implementing the mitigation measure.
- Timing – This column identifies the time frame in which the mitigation measure will be implemented.
- Verification/Monitoring Entity – This column identifies the party responsible for verifying and monitoring implementation of the mitigation measure. If this table is to be used for reporting, this column should be dated and signed by the person (Regional Parks project manager or their designee) responsible for verifying compliance with the requirements of the measure once completed.

Mitigation Monitoring and Reporting Program

Mitigation Measures	Implementation Responsibility	Timing	Verification/Monitoring Entity
Air Quality			
Mitigation Measure AQ-1: Implement Construction Dust Reduction Measures To reduce construction-related fugitive dust emissions, the construction contractor shall ensure that all construction activities comply with the following measures during all phases of project construction. ▶ All exposed surfaces (e.g., parking areas, staging areas, soil piles, graded areas, and unpaved access roads) shall be watered two times per day. ▶ All haul trucks transporting soil, sand, or other loose material off-site shall be covered. ▶ All visible mud or dirt track-out onto adjacent public roads shall be removed using wet power vacuum street sweepers at least once per day. The use of dry power sweeping is prohibited. ▶ All vehicle speeds on unpaved roads shall be limited to 15 mph. ▶ All excavation, grading, and/or demolition activities shall be suspended when average wind speeds exceed 20 mph. ▶ Any paving and/or concrete pads shall be completed as soon as possible after grading unless seeding or soil binders are used. All roadways, driveways, and sidewalks to be paved shall be completed as soon as possible. ▶ All trucks and equipment, including their tires, shall be washed off prior to leaving the site. ▶ Unpaved roads providing access to sites located 100 feet or further from a paved road shall be treated with a 6- to 12-inch compacted layer of wood chips, mulch, or gravel. ▶ Idling times shall be minimized either by shutting equipment off when not in use or reducing the maximum idling time to 5 minutes (as required by the California airborne toxics control measure Title 13, Section 2485 of California Code of Regulations [CCR]). Clear signage shall be provided for construction workers at all access points. ▶ All construction equipment shall be maintained and properly tuned in accordance with manufacturer's specifications. All equipment shall be checked by a certified mechanic and determined to be running in proper condition prior to operation. ▶ A publicly visible sign shall be posted with the telephone number and person to contact at Regional Parks regarding dust complaints. This person shall respond and take corrective action within 48 hours. The Air District's phone number shall also be visible to ensure compliance with applicable regulations.	Regional Parks and contractors	Prior to and during construction	Regional Parks

Mitigation Measures	Implementation Responsibility	Timing	Verification/Monitoring Entity
Biological Resources			
Mitigation Measure BIO-1: Avoid and Minimize Runoff from Trail Construction on the Bank of the Russian River In addition to the application of standard construction water quality best management practices (e.g., straw waddles and silt fencing), Regional Parks will suspend ground disturbing activities below the top of the bank of the Russian River if: (1) it is raining, or (2) soils are saturated. Regional Parks will be prepared to completely suspend ground disturbing activities below the top of the bank prior to the initiation of any rain event. Activities that cause soil disturbance may resume below the top of the bank when precipitation stops and soils are no longer saturated (i.e., when soil and/or surface material pore spaces are filled with water to such an extent that runoff is likely to occur). Indicators of saturated soil conditions may include: (1) areas of ponded water; (2) water carrying fine sediment out of the soil or disturbed areas, (3) loss of soil bearing strength resulting in the deflection of soil or trail surfaces under a load, such as the creation of wheel ruts, (4) spinning or churning of wheels or tracks that produces a wet slurry, or (5) tire track imprints in the soil.	Regional Parks and contractors	Prior to and during construction	Regional Parks
Mitigation Measure BIO-2a: Conduct Worker Environmental Awareness Training Regional Parks will require environmental awareness training for all construction workers conducted by a qualified biologist or biological monitor prior to construction activities. Training will include identification of special-status species that may occur in the project site; procedures to follow if a special-status species is observed within the project site; and other environmental best management practices such as marking of sensitive habitats, hazardous material handling, spill response, and trash control.	Regional Parks and contractors	Prior to construction	Regional Parks
Mitigation Measure BIO-2b: Avoid and Minimize Impacts to Special-Status Amphibians and Reptiles Regional Parks will implement the following measures to reduce and avoid injury or death of special-status amphibians and reptiles and avoid the loss of western pond turtle nests. ▶ Pre-construction surveys for special-status amphibians and reptiles will be conducted by a qualified biologist within 48 hours before ground disturbance and vegetation clearing. The surveys will encompass all work areas within suitable habitat for special-status amphibians and reptiles as determined by the qualified biologist. If special-status amphibians and reptiles are discovered during the surveys, the occurrence will be noted and the animal will be allowed to leave the work area on its own; however, animals may be moved to suitable habitat for the species, outside of the construction area, by a qualified biologist with the appropriate permits, if it does not leave on its own.	Regional Parks and contractors	Prior to and during construction	Regional Parks

Mitigation Measures	Implementation Responsibility	Timing	Verification/Monitoring Entity
▶ If any western pond turtle nests are located during pre-construction surveys, a 50-foot non-disturbance buffer around the nest will be delineated using construction fencing, and no work will occur within this buffer until the young leave the nest. ▶ A qualified biological monitor will be present during use of heavy equipment to stop work if individual special-status amphibians/reptiles are present within the work area and injury or death of the animal could occur. Work will stop and the animal will be allowed to leave the work area on its own; however, animals may be moved outside the project site by a qualified biologist with the appropriate permits, if it does not leave on its own. ▶ All trenches, holes, and other steep-walled excavations shall be covered or a wildlife escape ramp installed prior to the end of each working day. Prior to the start of work each day, a qualified biological monitor will survey all trenches and similar excavations will be inspected for entrapped wildlife. If wildlife is entrapped, the animal will be allowed to leave the work area on its own; however, animals may be moved to suitable habitat for the species, outside of the project construction site area, by a qualified biologist with the appropriate permits, if it does not leave on its own. ▶ The use of monofilament materials shall be prohibited within the project site during construction and operations.			
Mitigation Measure BIO-3: Avoid and Minimize Impacts to Nesting Eagles For construction during the nesting season (February 1 – August 31), Regional Parks will require that a survey for nesting eagles be conducted within 14 days of construction by a qualified biologist. The survey will encompass the area within 1 mile of the project site. If nesting bald eagles are identified during the survey, a 660-foot non-disturbance buffer will be implemented around the nest site, and if nesting golden eagles are identified a 1 mile non-disturbance buffer will be implemented. Within these buffers work will be postponed until the young have fledged or the nest is otherwise abandoned as determined by a qualified biologist. The nest buffer may be adjusted by the qualified biologist in consultation with the US Fish and Wildlife Service and California Department of Fish and Wildlife based on the type of activity, ambient noise and disturbance levels, topography, nest height, and screening vegetation as appropriate.	Regional Parks and contractors	Prior to construction	Regional Parks
Mitigation Measure BIO-4: Avoid and Minimize Impacts to Special-Status Bat Roosts To avoid and minimize impact to special-status bat roosts, Regional Parks will implement the following measures: ▶ Within 14-days prior to initiating work, a qualified bat biologist will inspect the project footprint and adjacent areas within 250 feet for bat roosts (most likely	Regional Parks and contractors	Prior to and during construction	Regional Parks

Mitigation Measures	Implementation Responsibility	Timing	Verification/Monitoring Entity
mature trees in the riparian woodland, pine woodland, and mixed oak woodland portions of the project site). Surveys will consist of a daytime pedestrian survey looking for evidence of bat use (e.g., guano) and/or an evening emergence survey to note the presence or absence of bats within potential roosts. ▶ If no bat roosts are found, then no further mitigation will be required. If evidence of bat use is observed, the number and species of bats using the roost will be determined. Acoustic bat detectors may be used to supplement survey efforts if needed to determine the species of roosting bats, but are not required. ▶ If an active maternity roost is detected, a qualified biologist shall determine an appropriate avoidance buffer to be maintained from March 1 until young are flying (typically through August). If an active maternity roost is detected in a tree or other vegetation planned for removal, or within a zone of influence (i.e., noise, vibration) that could result in roost abandonment, as determined by a qualified biologist, the bats shall be safely evicted under the guidance of a qualified biologist. Prior to eviction, Regional Parks will develop a Bat Roost Exclusion Plan. The plan will include measures for exclusion, restrictions on ambient temperature during exclusion, and a proposal to compensate for the removed roost (e.g., installation of bat houses). The Bat Roost Exclusion Plan will be submitted to CDFW for approval prior to implementation. ▶ If roosts of Townsend's big-eared bat or western red bat are determined to be present within the project site and within 250 feet of construction, work may be performed within the 250-foot buffer outside of the breeding season (March 1 through August 31) when the daytime temperature is 50 degrees Fahrenheit or greater.			
Mitigation Measure BIO-5 Avoid Ringtail Maternity Dens: To avoid and minimize impacts to ringtail, Regional Parks will implement the following measures. ▶ No more than 14-days prior to ground disturbance or vegetation clearing, a qualified biologist will conduct pre-construction surveys for active ringtail den sites within 0.25 mile of proposed project features, as access allows. ▶ If any active ringtail dens are located during surveys, a non-disturbance buffer will be placed around the den during the period of May 1 through June 30 to avoid disturbance of the den. The size of the non-disturbance buffer will be determined by a qualified biologist based on the activities occurring near the den, vegetative screening of the den, and other relevant information. No project activities will occur within the non-disturbance buffer during that period.	Regional Parks and contractors	No more than 14-days prior to ground disturbance or vegetation clearing	Regional Parks

Mitigation Measures	Implementation Responsibility	Timing	Verification/Monitoring Entity
Mitigation Measure BIO-6: Avoid and Minimize Impacts to Common Nesting Birds For construction and vegetation removal that occurs during the nesting bird season (February 1 – August 31), a nesting bird survey will be conducted within 14 days of the start of project activities. The survey will encompass the area within a 300-foot radius for raptors and 50-foot-radius for other birds. If nesting birds are identified, work within these buffer areas will be postponed until the young have fledged or the nest is otherwise abandoned. The buffer size may be altered by a qualified biologist. Factors to be considered for determining changes to buffer size will include presence of natural screening provided by vegetation or topography, nest height above ground, baseline levels of noise and human activity (e.g., roads, recreation), and species sensitivity. Monitoring of the nest by a qualified biologist during and after construction activities shall be required if the activity has potential to adversely affect the nest. If construction activities cause the nesting bird to vocalize, make defensive flights at intruders, get up from a brooding position, or fly off the nest, then the no-disturbance buffer shall be increased until the agitated behavior ceases.	Regional Parks and contractors	14 days of the start of project activities	Regional Parks
Mitigation Measure BIO-7: Minimize Impacts to Sensitive Natural Communities The following measures shall be implemented to avoid, minimize, or compensate for the potential loss of Torrey's melic grass grassland: ▶ A qualified biologist will map Torrey's melic grass grassland within the project site. If Torrey's melic grass grassland is not located within the disturbance footprint, the perimeter of the habitat will be flagged and avoided during project construction, and no further action regarding this habitat type is needed. If Torrey's melic grass grassland is located within the disturbance footprint of the project and would be permanently removed, compensatory mitigation will be required as described below. ▶ Regional Parks shall compensate for permanent loss of Torrey's melic grass grassland at a minimum of a 1:1 ratio through the development and implementation of a Compensatory Mitigation and Monitoring Plan for restoring in-kind habitat within the project site, or through credits purchased at a CDFW-approved mitigation bank. ▪ If a Compensatory Mitigation and Monitoring Plan is developed for mitigation in the project site, the plan shall include the following: ▪ identification of compensatory mitigation locations within the project site; ▪ reference sites for comparison with compensatory mitigation sites (using performance and success criteria) to document success; ▪ monitoring protocols, including schedule and annual report requirements (compensatory sites shall be monitored for a minimum of 5 years from	Regional Parks and contractors	Prior to and during construction	Regional Parks

Mitigation Measures	Implementation Responsibility	Timing	Verification/Monitoring Entity
completion of mitigation, or until the success criteria identified in the approved mitigation plan have been met); ▪ ecological performance standards, based on the best available science and including specifications for native plant densities, species composition, and survivorship; at a minimum, compensatory mitigation planting sites must achieve 80 percent survival of planted vegetation by the end of the 5-year maintenance and monitoring period or dead and dying vegetation shall be replaced and monitoring continued until 80 percent survivorship is achieved; ▪ corrective measures if performance standards are not met; and ▪ responsible parties for receiving and reviewing reports and for verifying success or prescribing implementation or corrective actions.			
Cultural Resources and Tribal Cultural Resources			
Mitigation Measure CUL-1: Implement Measures to Protect Cultural and Tribal Cultural Resources In the event that a precontact archeological site (including midden soil, chipped stone, bone, or shell), or historic period archaeological site (such as concentrated deposits of bottles, amethyst glass, or historic refuse) are found during project construction, all ground-disturbing activity within 50 feet of the discovery shall be halted until a qualified archaeologist can assess the significance of the find. Regional Parks will be notified of the potential find and a qualified archeologist shall be retained to investigate its significance. If the find is a precontact archeological site, the culturally affiliated Native American tribe shall be immediately notified. The tribal representative(s), in consultation with the archaeologist, shall determine if the find is a significant tribal cultural resource (pursuant to Public Resources Code Section 21074). The tribal representative will make recommendations for treatment, as necessary. Culturally appropriate treatment may be preservation in place, processing materials for reburial, minimizing handling of cultural objects, leaving objects in place within the landscape, or returning objects to a location within the project vicinity where they will not be subject to future impacts. Any previously undiscovered resources found during construction will be recorded on appropriate California Department of Parks and Recreation 523 forms and evaluated for significance under all applicable regulatory criteria. If the archaeologist determines that the find does not meet the California Register of Historical Resources standards of significance for cultural resources, construction may proceed. If the find is determined to be significant by the qualified archaeologist (i.e., because the find is determined to constitute either an historical resource or a unique archaeological resource), the archaeologist shall work with the Regional Parks to follow accepted professional standards such as further testing for evaluation or data recovery, as necessary. If artifacts are recovered from significant historic archaeological resources,	Regional Parks and contractors	During construction	Regional Parks

Mitigation Measures	Implementation Responsibility	Timing	Verification/Monitoring Entity
they shall be housed at a qualified curation facility. The results of the identification, evaluation, and/or data recovery program for any unanticipated discoveries shall be presented in a professional-quality report that details all methods and findings, evaluates the nature and significance of the resources, and analyzes and interprets the results. If any human remains are exposed during construction, they shall be treated in accordance with the California Health and Safety Code and California Public Resources Code Sections 5097.94 and 5097.98, in consultation with the Native American Heritage Commission.			
Geology and Soils			
Mitigation Measure GEO-1: Implement Measures to Protect Paleontological Resources In the event that a paleontological resource is uncovered during grading/excavation or other construction activities, all ground-disturbing activity within 50 feet of the discovery shall be halted immediately until a qualified paleontologist can assess the nature and significance of the find. No construction shall occur within 50 feet of the find until the qualified paleontologist has determined and implemented the appropriate salvage and treatment of the find and confirms that construction may proceed.	Regional Parks and contractors	During grading/excavation or other construction activities	Regional Parks
Transportation			
Mitigation Measure TRAN-1: Develop Traffic Control and Management Plan A Traffic Control and Management Plan shall be prepared, and address all means to minimize temporary impacts from roadway and travel lane disruptions. The Traffic Control and Management Plan shall be submitted to and approved by the County of Sonoma prior to construction to minimize project impacts on local streets, highways, freeways, and other forms of transportation. The Traffic Control and Management Plan shall be developed in coordination with the County and at a minimum contain the following: ▶ describe the proposed work zone; ▶ delineate construction areas in a manner that protects vehicles, bicyclists, and pedestrians; ▶ provide for safe vehicular, pedestrian, and bicycle travel approaching and within the construction area; ▶ describe applicable detours and lane closures; ▶ describe appropriate tapers and lengths, signs, and spacing; ▶ identify appropriate channelization devices and spacing; ▶ identify work hours and workdays;	Regional Parks and contractors	Prior to construction	Regional Parks

Mitigation Measures	Implementation Responsibility	Timing	Verification/Monitoring Entity
▶ identify proposed speed limit changes if applicable; ▶ describe any intersections that would be affected by the work; ▶ describe the trucks that would be used during construction, including the number and size of the trucks used per day, their expected arrival and departure times, their general weight and size, and circulation patterns; ▶ identify all staging areas; ▶ provide a description and/or documentation of the pavement conditions along the roadways used to access the site before the commencement of construction and at the conclusion of construction; ▶ coordinate with the County to determine how any potential pavement damage directly resulting from construction of the project would be mitigated; ▶ require that access to all surrounding parcels and properties be maintained at all times; ▶ require that adequate emergency vehicle access to all surrounding parcels and properties be maintained at all times; and ▶ where the project work area encroaches on a public right-of-way and reduces the existing pedestrian path of travel to less than 48 inches wide, alternate pedestrian routing shall be provided during construction activities.			