

Staff Report 15

APPLICANT:

Pacific Gas and Electric Company

PROPOSED ACTION:

Amendment of Lease

AREA, LAND TYPE, AND LOCATION:

Sovereign land in the Russian River, adjacent to the Wohler Road Bridge, near Santa Rosa, Sonoma County.

AUTHORIZED USE:

Continued use and maintenance of existing less-than-60-kilovolt (kV) electric distribution overhead and submerged lines with associated fiber-optic cables and related facilities.

TERM:

20 years, beginning September 1, 2012.

CONSIDERATION:

\$42,300 per year, with rent adjusted annually at the rate of four percent (4 percent); and the State reserving the right to fix a different rent on the tenth anniversary of the lease term, as provided in the lease.

PROPOSED AMENDMENT:

Amend the lease to:

- Authorize the relocation of an existing overhead electric transmission line over the Russian River.
- Amend Exhibit B to the Lease (List of Electrical Distribution Line Crossings) by replacing the page "SLC #48" with the attached version to reflect the new transmission line location.

- Amend the Lease to add a new Exhibit D – Mitigation and Monitoring Plan, applicable only to the relocation project. The Mitigation and Monitoring Plan is attached as Exhibit C to this staff report.
- Staff may need to amend Exhibit A (Description of Lease Premises) and Exhibit C (Site Location Map of Electrical Distribution Line Crossings) once the “as built” plans are received in order to ensure the descriptions are accurate. Once approved by the Commission's Executive Officer or designee, the revised Exhibits shall be incorporated into the Lease.
- Within 60 days of completing the construction of authorized improvements, Lessee will provide Commission staff with photographs and a set of as-built plans that will show where the improvements have been placed.

All other terms and conditions of the lease to remain in effect without amendment.

STAFF ANALYSIS AND RECOMMENDATION:

AUTHORITY:

Public Resources Code sections 6005, 6216, 6301, 6501.1, and 6503; California Code of Regulations, title 2, sections 2000 and 2003.

PUBLIC TRUST AND STATE'S BEST INTERESTS:

On December 2, 2013, the Commission authorized a 20-year General Lease – Right-of-Way Use of sovereign lands to the Applicant for the continued use and maintenance of existing less-than-60-kV electric distribution overhead and submerged lines with associated and fiber-optic cables and related facilities ([Item C11, December 2, 2013](#)).

The County of Sonoma (County) is conducting a Seismic Retrofit Project (Project) on the Wohler Road Bridge over the Russian River ([Item C13, December 17, 2014](#)). The County determined that the proximity of the existing power line will impair its contractor's ability to safely work on the Project. The Applicant has agreed to permanently relocate the line to maintain electrical service. The application before the Commission here is to amend the existing master lease to Applicant to allow for this relocation and accurately reflect the new alignment of the 12-kV power line.

The proposed line will span the Russian River suspended from wooden poles. The Applicant is currently in negotiations with the Sonoma County Water Agency to acquire the necessary easement on the adjoining uplands to relocate the pole line to accommodate the Project.

The proposed relocation is downstream from the existing alignment. New poles will be installed on both banks of the river and the line will be installed at a height above the clearance of the existing bridge to not adversely affect navigation or shore activity.

Construction crews will auger holes and set a wooden 2-pole structure on each side of the Russian River above the low-water elevation to facilitate a 1,260-foot-long aerial span across it, consisting of three wires. The aerial span across sovereign land in the river will be approximately 300 feet in length. Wires will be strung across the river by helicopter. Construction is estimated to take 8 to 10 days during the dry season. Equipment to be used includes a line truck, pickup trucks, and helicopter.

The proposed lease does not alienate the State's fee simple interest or permanently impair public rights. The lease is limited to a 20-year term and does not grant the lessee exclusive rights to the lease premises. Upon termination of the lease, the lessee may be required to remove all improvements and restore the lease premises to their original condition.

The proposed lease requires the lessee to insure the lease premises and indemnify the State for any liability incurred as a result of the lessee's activities thereon. The lease also requires the payment of annual rent to compensate the people of the State for the occupation of the public land involved.

CLIMATE CHANGE:

The lease area in the Russian River is not tidally influenced and therefore, would not be subject to sea-level rise. As stated in *Safeguarding California Plan: 2018 Update* (California Natural Resources Agency 2018), climate change is projected to increase the frequency and severity of natural disasters related to flooding, fire, extreme heat, drought, and storms. The relocated 12-kV electric line could be affected by some of the conditions noted above; however, the relocated power lines will span above the height of the bridge and would not be susceptible to water levels rising and falling with storms and droughts.

CONCLUSION:

For all the reasons above, staff believes the issuance of this lease will not substantially interfere with the Public Trust needs and values at this location, at this time, and for the remaining term of the lease; and is in the best interests of the State.

OTHER PERTINENT INFORMATION:

1. Approval or denial of the application is a discretionary action by the Commission. Each time the Commission approves or rejects a use of sovereign land, it exercises legislatively delegated authority and responsibility as trustee of the State's Public Trust lands as authorized by law. If the Commission denies the application for the amendment, the Applicant will not be authorized to relocate the existing overhead electric transmission line over the Russian River. Upon expiration or prior termination of the lease, the lessee also has no right to a new lease or to renewal of any previous lease.
2. This action is consistent with Strategy 1.1 of the Commission's Strategic Plan to deliver the highest levels of public health and safety in the protection, preservation, and responsible economic use of the lands and resources under the Commission's jurisdiction.
3. A Mitigated Negative Declaration, State Clearinghouse No. 2014082054, and Mitigation Monitoring Program (MMP) were prepared by the County and adopted on November 24, 2014, and the County prepared an Addendum in August 2020 for this project. Commission staff reviewed these documents and prepared an independent MMP (attached, Exhibit C) incorporating the County's document and recommends its adoption by the Commission. The mitigation measures contained in the Commission's MMP are the applicable measures in the documents prepared by the County.
4. This activity involves lands identified as possessing significant environmental values pursuant to Public Resources Code section 6370 et seq., but such activity will not affect those significant lands. Based upon the staff's consultation with the persons nominating such lands and through the California Environmental Quality Act (CEQA) review process, it is the staff's opinion that the project, as proposed, is consistent with its use classification.

EXHIBITS:

- A. Land Description - SLC #48
- B. Site and Location Map
- C. Mitigation Monitoring Program

RECOMMENDED ACTION:

It is recommended that the Commission:

CEQA FINDING:

Find that a Mitigated Negative Declaration, State Clearinghouse No. 2014082054, and a Mitigation Monitoring Program were prepared by the County and adopted on November 24, 2014, and an Addendum was prepared in August 2020 for this Project, and that the Commission has reviewed and considered the information contained therein; that in the Commission's independent judgment, the scope of activities to be carried out under the lease to be issued by this authorization have been adequately analyzed; that none of the events specified in Public Resources Code section 21166 or the State CEQA Guidelines section 15162 resulting in any new or substantially more severe significant impact has occurred; and, therefore no additional CEQA analysis is required.

Adopt the Mitigation Monitoring Program, as contained in the attached Exhibit C.

SIGNIFICANT LANDS INVENTORY FINDING:

Find that this activity is consistent with the use classification designated by the Commission for the land pursuant to Public Resources Code section 6370 et seq.

PUBLIC TRUST AND STATE'S BEST INTERESTS:

Find that the proposed amendment will not substantially impair the public rights to navigation and fishing or substantially interfere with the Public Trust needs and values at this location, at this time, and for the remaining term of the lease; and is in the best interests of the State.

AUTHORIZATION:

Authorize amendment of Lease 6205, a General Lease – Right-of-Way Use, effective December 17, 2020, to approve the relocation of existing electric transmission line, and to amend Exhibit B by substituting the page SLC #48 with the document attached as Exhibit A to this report; amend the Lease to include a new Exhibit D Mitigation and Monitoring Plan, attached as Exhibit C to this report; amend Exhibits A and C to accurately describe and depict the "as built" location of the transmission line; amend the Lease to include terms and provisions relating to the construction activity; all other terms and conditions of the lease will remain in effect without amendment.

EXHIBIT A

PRC 6205

A 30' wide strip of submerged land lying in the bed of the Russian River, adjacent to the lands of Sonoma County as described in those deeds recorded in Book 3078 of Official Records at Page 664 and Book 2778 of Official Records at Page 776, Sonoma County Records. Said portion being a portion of the Southwest quarter of Section 29, Township 8 North, Range 9 West, M.D.M., the centerline of which is described as follows:

Commencing at a bronze monument marked "County of Sonoma Flood Control and Water Conservation District" set atop the northerly end of the easterly pier of the Wohler Road Bridge (also known as the Red Hill Bridge) over the Russian River, from which monument a similar monument located atop the northerly end of the center pier of said Bridge bears North 78°44'10" West, 231.30 feet; thence, South 23°33'20" East, 239.00 feet; thence, North 77°51'50" West, 59.19 feet, more or less, to a point on the easterly line of the lands of the Sonoma County Water Agency as described in that deed recorded in Book 3078 of Official Records at Page 664, Sonoma County Records, said point also being the **TRUE POINT OF BEGINNING** of the centerline; thence, leaving said easterly line North 77°51'50" West, 830.81 feet, more or less, to the westerly line of the lands of the Sonoma County Water Agency as described in that deed recorded in Book 2778 of Official Records at Page 776, Sonoma County Records.

EXCEPTING THEREFROM any portion lying landward of the Low Water Marks of the left and right banks of the Russian River.

Basis of Bearings: That Record of Survey recorded in Book 559 of Maps at Page 23, Sonoma County Records.

This legal description was prepared by me or under my direction in conformance with the requirements of the Land Surveyor's Act.

Stevan Hunter

11/24/2020

Stevan G. Hunter Jr. P.L.S. 9347

Date

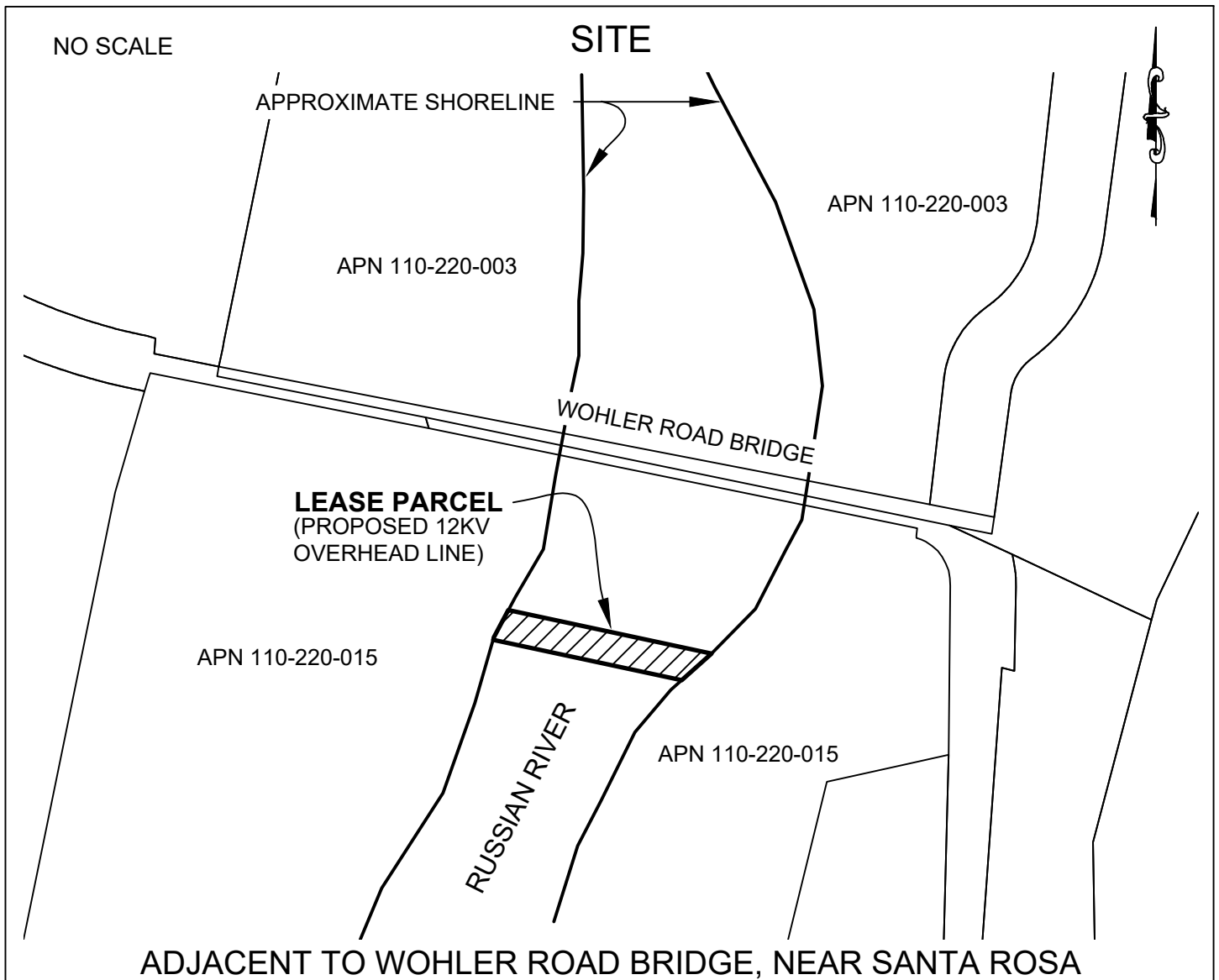
Road Name: Wohler Road

Road #: 8901

Postmile: 11.50 to 11.65

APN: 110-220-015 ptn, 110-140-008 ptn.





ADJACENT TO WOHLER ROAD BRIDGE, NEAR SANTA ROSA

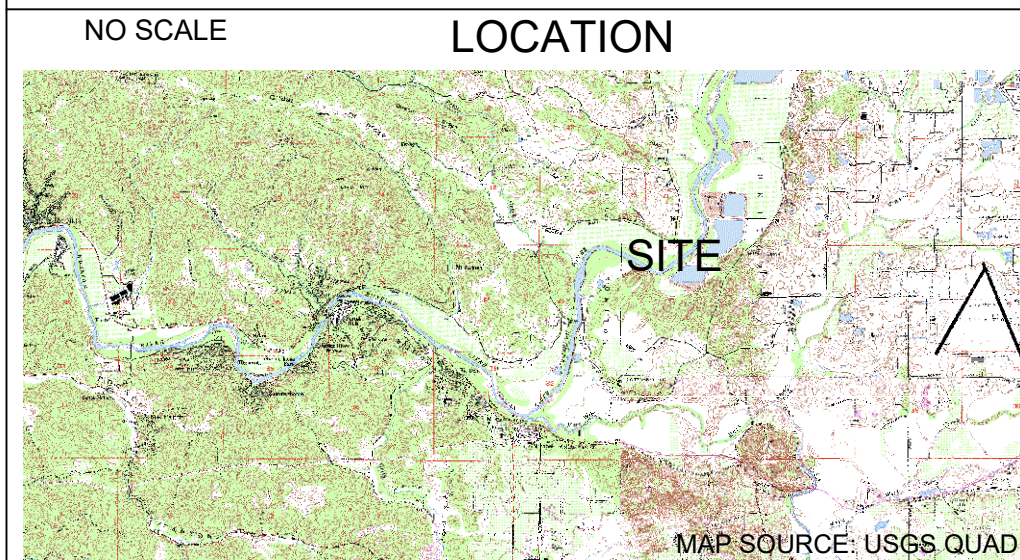
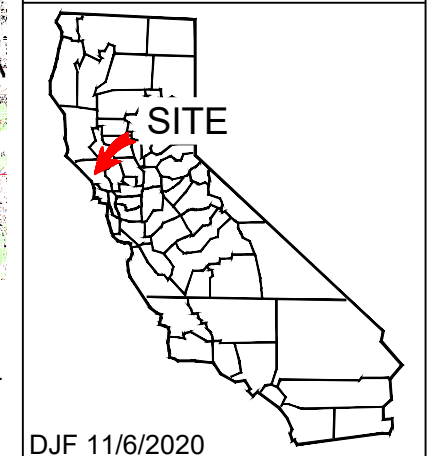


EXHIBIT B

PRC 6205
PG&E
APN 110-220-015 & 110-220-015
GENERAL LEASE -
PUBLIC AGENCY USE
SONOMA COUNTY



THIS EXHIBIT IS SOLELY FOR PURPOSES OF GENERALLY DEFINING THE LEASE PREMISES, IS BASED ON UNVERIFIED INFORMATION PROVIDED BY THE LESSEE OR OTHER PARTIES AND IS NOT INTENDED TO BE, NOR SHALL IT BE CONSTRUED AS, A WAIVER OR LIMITATION OF ANY STATE INTEREST IN THE SUBJECT OR ANY OTHER PROPERTY.

EXHIBIT C
CALIFORNIA STATE LANDS COMMISSION
MITIGATION MONITORING PROGRAM
WOHLER ROAD BRIDGE OVER THE RUSSIAN RIVER
SEISMIC RETROFIT PROJECT
(State Clearinghouse No.2014082054)

The California State Lands Commission (Commission) is a responsible agency under the California Environmental Quality Act (CEQA) for the Wohler Road Bridge Over the Russian River Seismic Retrofit Project (Project). The CEQA lead agency for the Project is Sonoma County. As part of the Project, the Applicant, Pacific Gas & Electric, is relocating an overhead utility line.

In conjunction with approval of this Project, the Commission adopts this Mitigation Monitoring Program (MMP) for the implementation of mitigation measures for the portion(s) of the Project located on Commission lands. The purpose of a MMP is to discuss feasible measures to avoid or substantially reduce the significant environmental impacts from a project identified in an Environmental Impact Report (EIR) or a Mitigated Negative Declaration. State CEQA Guidelines section 15097, subdivision (a), states in part:¹

In order to ensure that the mitigation measures and project revisions identified in the EIR or negative declaration are implemented, the public agency shall adopt a program for monitoring or reporting on the revisions which it has required in the project and the measures it has imposed to mitigate or avoid significant environmental effects. A public agency may delegate reporting or monitoring responsibilities to another public agency or to a private entity which accepts the delegation; however, until mitigation measures have been completed the lead agency remains responsible for ensuring that implementation of the mitigation measures occurs in accordance with the program.

The lead agency has adopted a MMP for the whole of the Project (see Exhibit C, Attachment C-1) and remains responsible for ensuring that implementation of the mitigation measures occurs in accordance with its program. The Commission's action and authority as a responsible agency apply only to the mitigation measures listed in Table C-1 below. These measures shall be implemented for the Project.

¹ The State CEQA Guidelines are found at California Code of Regulations, title 14, section 15000 et seq.

Table C-1. Project Impacts and Applicable Mitigation Measures.

Potential Impact	Mitigation Measure (MM) ²
BIO-2: Western Pond Turtle	BIO-2, BIO-1(K)
BIO-5: Riparian Vegetation Removal	BIO-5
BIO-6: Inadvertent Damage to Riparian Habitat	BIO-6
GEO-5: Soil Erosion	HYDRO-4
HAZ-2: Accidental Spills	HAZ-2
HYDRO-4: Erosion from Grading	HYDRO-4
HYDRO-6: Use of Fuels and Other Hazardous Materials	HYDRO-6, HAZ-2
NOISE-2: Construction Noise	NOISE-2
REC-1: River Access for Boaters	REC-1

² See Attachment C-1 for the full text of each MM taken from the MMP prepared by the CEQA lead agency.

ATTACHMENT C-1

**Mitigation Monitoring Program Adopted by
Sonoma County**



MITIGATION MONITORING PROGRAM

Sonoma County Permit and Resource Management Department

2550 Ventura Ave, Santa Rosa, CA 95403

(707) 565-1900 Fax (707) 565-1103

Pursuant to Section 21081.6 of the Public Resources Code, the mitigation measures listed in this program are to be implemented as part of the project. This program identifies the time at which each mitigation measure is to be implemented and the person(s) responsible. The signature of each responsible person will indicate completion of their portion of the mitigation measure.

Project: Wohler Road Bridge over the Russian River Seismic Retrofit

Project Applicant: Department of Transportation and Public Works (DTPW)

Location: Wohler Road Bridge over the Russian River Seismic Retrofit

Lead Agency: Sonoma County

Decision Making Body: Board of Supervisors

P.P.R # 13-06-03

Date Approved: _____

SCH #

Contact Person(s): Laura Peltz, Cindy Rader

Time of Implementation

- Design:** The mitigation measure will be incorporated into the project design and/or included in the plans and contract special provisions prior to awarding a construction contract.
- Pre-Construction:** The mitigation measure will be implemented before construction begins.
- Construction:** The mitigation measure will be implemented during construction.
- Post-Construction:** The mitigation measure will be implemented after project construction.

Responsible Persons

The Permit and Resource Management Department will designate an Environmental Specialist. DTPW will designate a Design Engineer and a Construction Engineer.

The Environmental Specialist will certify that a review of the project and plans and specifications was made with the Design Engineer prior to advertising for construction bids or otherwise initiating project construction. The Design Engineer will identify how each mitigation measure has been incorporated into the project. The Construction Engineer (or other person identified in the program) will certify that the mitigation measure has been implemented.

Environmental Record

Before the construction contract is awarded, the Design Engineer will forward the mitigation monitoring program to the Construction Engineer, with a copy to the Environmental Specialist. At completion of construction the Construction Engineer will return the original signed mitigation monitoring program to the Environmental Specialist for filing.

RECORD OF COMPLIANCE

The Environmental Specialist has reviewed the project design, and plans and specifications with the Design Engineer to assure that the responsibility for completion of the mitigation measures has been assigned and plans and specifications incorporate the appropriate mitigation measures.

Environmental Specialist _____ date _____

AIR-1	<p>The following dust control measures will be included in the project:</p> <ul style="list-style-type: none">A. Water or dust palliative shall be sprayed on unpaved construction and staging areas during construction as directed by the County.B. Trucks hauling soil, sand and other loose materials over public roads will cover the loads, or will keep the loads at least two feet below the level of the sides of the container, or will wet the load sufficiently to prevent dust emissions.C. Paved roads will be swept as needed to remove soil that has been carried onto them from the project site.D. Water or other dust palliative will be applied to stockpiles of soil as needed to control dust.E. All vehicle speeds on unpaved roads will be limited to 15 mph.
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Time of Implementation: Design, Construction

Method: ☐ Incorporated into the project design
☒ Included in the project plans and specifications (contractor will implement)
☐ County forces
☐ Other (specify)

Design Engineer certifies that this mitigation measure has been incorporated into the project.

Comments:

Construction Engineer certifies that this mitigation measure was implemented and monitored during construction.

Comments:

BIO-1	<p>A. Construction in the active river channel will take place between June 15 and October 15. No work in the flowing water of the Russian River is allowed before or after these dates.</p> <p>B. Work outside of the flowing water of the Russian River between top-of-bank to top-of-bank can occur between May 15 and October 15. If the Corps, CDFW, Water Board or NOAA Fisheries have different date descriptions in the project permits, then the most stringent shall apply.</p> <p>C. The County will invite NOAA Fisheries and CDFW to attend a preconstruction meeting prior to the construction season for in-channel work, and will provide written notification at least 14 day prior to commencement of the in-channel construction.</p> <p>D. The County will retain a qualified biologist with expertise in the areas of anadromous salmonid biology including handling, collecting, and relocating salmonids; salmonid/habitat relationships; and biological monitoring of salmonids. The County will ensure that all biologists working on the project be qualified to conduct fish collections in a manner which minimizes potential risks to listed salmonids. A statement of qualifications for all biologists who will be employed on the project will be provided to NOAA Fisheries and CDFW for review 30 days prior to any onsite project construction or demolition related activities.</p> <p>E. The qualified biologist will monitor the construction site during placement and removal of the work pad and related activities. The biologist will be on site throughout the work pad installation to ensure that all fish are relocated safely. In the event that a listed salmonid is discovered, all gravel application activities will cease until the salmonid has been moved a safe distance from the proposed work pad footprint. In the event that a salmonid is recovered that is wounded or dead, the biologist will notify NOAA Fisheries. Dead salmonids received must be dated, frozen and retained until directed by NOAA Fisheries.</p> <p>F. Temporary fill material introduced into the river channel (top-of-bank to top-of-bank) must be imported, clean, river-run gravel material. The material will be placed in the river by pushing it out from the bank slowly in a manner that will not impound water or trap fish. The amount of material used will be the minimum volume necessary. A top layer of clean compactable aggregate may be used on the pad, but must be removed from the channel following construction. When the layer of compactable aggregate is placed on top of the river-run gravel, it shall not exceed the minimum amount needed to provide sufficient support for the safe and efficient operation of heavy equipment. The loss of the compactable aggregate over the edges of the work pad shall be avoided by maintaining a minimum 3-foot buffer of uncovered river-run gravel at the edges of the work pad.</p> <p>G. A sufficient open channel width will be maintained in the river to ensure that water does not impound behind the work pad or increase in velocity sufficient to cause erosion. Additional culverts or bridges in the work pad will be used</p>
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	<p>as needed to prevent impoundment or control water velocity.</p> <p>H. Following construction and prior to October 15, all construction materials, including the work pad around Piers 2 and 3 and top layer of crushed aggregate for the work pad for Pier 4, will be removed from the channel. The river-run gravel work pad for Pier 4 will be left in place and allowed to disperse downstream in winter flows. Disturbed areas, including the ephemeral drainage at Piers 2 and 3, will be restored to the pre-project topography.</p> <p>I. No equipment may operate in the flowing water of the Russian River or the ephemeral drainage at any time. No work will occur in flowing water with the exception of work pad installation.</p> <p>J. The County will comply with all conditions of regulatory permits issued by CDFW, NOAA Fisheries, the Water Board, and the Corps. In the case of conflicting conditions, the most stringent will apply.</p> <p>K. Prior to the start of construction, a qualified biologist will conduct a mandatory contractor/ worker training to provide all project personnel with information on their responsibilities with regard to sensitive species at the site (including special status fish, western pond turtle, nesting birds and bats). The training will include information on the species and their habitats, measures being implemented during the project to protect the species, the limits of work for the project, and directions for when and how to notify the biologist.</p>
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Time of Implementation: Design, Pre-Construction, Construction

Method:

<input type="checkbox"/>	Incorporated into the project design
<input checked="" type="checkbox"/>	Included in the project plans and specifications (contractor will implement)
<input checked="" type="checkbox"/>	County forces
<input type="checkbox"/>	Other (specify)

Design Engineer certifies that this mitigation measure has been incorporated into the project.

Comments: The biologist may either be supplied by the contractor or the County, however all requirements must be listed in the specifications.

Construction Engineer certifies that this mitigation measure was implemented and monitored during construction.

Comments:

BIO-2	<p>No more than two days prior to beginning construction activities, a qualified biologist will perform preconstruction surveys for western pond turtles, juveniles and nests within suitable pond turtle habitat at the project site. If western pond turtle is found within the construction area, a qualified biologist will relocate pond turtles to an area of appropriate habitat outside of the construction area. The qualified biologist will be present during installation of the work pad to ensure no turtles become entrapped by gravel placement.</p> <p>If western pond turtle nests are found during the survey, a buffer area of 25 feet will be established around the nesting site until the turtles are no longer occupying the nest. These buffers will be indicated by temporary fencing.</p> <p>During construction, the qualified biologist will be on call and capable of responding to the work site to determine the presence of western pond turtle and relocate turtles as needed. The contractor will designate a construction monitor to conduct daily surveys of the work area, including under equipment. The qualified biologist will ensure that the designated monitor receives proper training. If any western pond turtles are observed during the daily surveys, construction work will stop until the qualified biologist has been notified and has relocated the turtles to nearby suitable, undisturbed habitat.</p>
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Time of Implementation: Design, Pre-Construction, Construction

Method:

<input type="checkbox"/>	Incorporated into the project design
<input checked="" type="checkbox"/>	Included in the project plans and specifications (contractor will implement)
<input checked="" type="checkbox"/>	County forces
<input type="checkbox"/>	Other (specify)

Design Engineer certifies that this mitigation measure has been incorporated into the project.

Comments: The biologist may either be supplied by the contractor or the County, however all requirements must be listed in the specifications.

Construction Engineer certifies that this mitigation measure was implemented and monitored during construction.

Comments:

BIO-3	<p>A. Whenever feasible, vegetation shall be removed or trimmed during the non-breeding season. For vegetation removal/trimming or ground disturbing activities occurring during the breeding season (February 15 to August 31), a qualified biologist shall conduct a pre-construction survey of the project site within 7 days of the start of vegetation removal/trimming or ground disturbing activities. The County shall only allow vegetation to be removed or ground disturbing to commence once the qualified biologist has determined that the work will not affect nesting birds.</p> <p>B. Prior to February 15, the County will have a bird barrier of netting or other material installed to the underside of the bridge structure sufficient to prevent birds from nesting in areas of the bridge impacted by retrofit activities. The exact locations and materials will be determined in consultation with PRMD following review of the construction plans. The bird barrier will be inspected at least twice weekly and repairs made, as necessary, from the date of installation until removal. The barrier will remain in place until September 1 or until PRMD or a qualified biologist determines it is no longer needed. Bird barriers are not required during the period September 1 to February 14. Before installation of the barrier, nests on the bridge structure shall be removed prior to nest occupancy and egg laying. No nests shall be destroyed once they have been occupied.</p>
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Time of Implementation: Design, Pre-Construction, Construction

Method:

<input type="checkbox"/>	Incorporated into the project design
<input checked="" type="checkbox"/>	Included in the project plans and specifications (contractor will implement)
<input checked="" type="checkbox"/>	County forces
<input type="checkbox"/>	Other (specify)

Design Engineer certifies that this mitigation measure has been incorporated into the project.

Comments: The biologist may either be supplied by the contractor or the County, however all requirements must be listed in the specifications.

Construction Engineer certifies that this mitigation measure was implemented and monitored during construction.

Comments:

BIO-4	<p>A. A qualified biologist shall survey the area within 100 feet of construction activities for evidence of roosting bats five days or less prior to the onset of construction. If no evidence of day roosting bats is present, such as visual or acoustic detection, guano, urine staining, or strong odors, no further mitigation is required.</p> <p>B. If an occupied maternity roost is identified within a tree scheduled to be removed or within 100 feet of construction activities, the County will create and maintain a buffer around the bat roost until such time that the roost is no longer occupied. The County will consult with CDFW to determine the appropriate size of the no-disturbance buffer.</p> <p>C. Bat roosts initiated within 100 feet of construction activities after construction in the specific area has already begun will be presumed to be unaffected by construction activities and a buffer will not be required.</p> <p>D. Under all circumstances, the “take” of individuals, including direct mortality of individuals or the destruction of roosts while bats are present, is prohibited.</p> <p>E. If an occupied non-breeding hibernacula is found in a tree scheduled to be removed, the County will apply for a Memorandum of Understanding with CDFW, as applicable, which will include provisions for the safe eviction of bats under the direction of a qualified bat biologist by opening the roosting area at dusk to allow air flow through the cavity, or by an alternative measure that does not result in adverse impacts. Tree removal will then follow no later than the following day so that there will be one night between initial disturbance for airflow and tree removal, allowing bats to leave the roost during dark hours, thereby increasing their chance of finding new roosts with a minimum of potential predation during daylight.</p>
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Time of Implementation: Design, Pre-Construction, Construction

Method:

<input type="checkbox"/>	Incorporated into the project design
<input checked="" type="checkbox"/>	Included in the project plans and specifications (contractor will implement)
<input checked="" type="checkbox"/>	County forces
<input type="checkbox"/>	Other (specify)

Design Engineer certifies that this mitigation measure has been incorporated into the project.

Comments: The biologist may either be supplied by the contractor or the County, however all requirements must be listed in the specifications.

Construction Engineer certifies that this mitigation measure was implemented and monitored during construction.

Comments:

BIO-5	<p>A. Only the minimum amount of vegetation will be pruned or removed that is necessary to construct the project. Where possible, vegetation will be tied back in lieu of cutting. Native vegetation that must be removed will be cut at or above grade to facilitate regrowth. Any pruning that is done, including for utility line clearance, will conform to the American National Standard for Tree Care Operation Tree, Shrub, and Other Woody Plant Maintenance Standard Practices, Pruning (ANSI A300 Part 1)-2008 Pruning), and the companion publication Best Management Practices: Tree pruning (ISA 2008). Roots will only be unearthed when necessary.</p> <p>B. Temporarily disturbed areas will be reseeded with a native erosion control seed mix. The County will replant the temporary disturbance areas with understory herbs and shrubs suitable to the site (such as California blackberry, mugwort, and willow sprigs). The County will inspect the vegetation removal areas immediately prior to construction, following construction, and annually for 3 years following construction to determine the vegetative cover existing, that which is removed, and that which has regrown. If plantings and natural resprouting are not sufficient to return the cover to that existing prior to project construction, then additional plantings will be installed to reestablish the cover to the pre-project condition.</p> <p>C. Native trees 5 inches dbh or greater to be removed will be replanted within the area of disturbance and/or in the vicinity of the bridge at a ratio of 3:1 using a combination of the native tree species found at the bridge site.</p> <p>D. All plantings will be maintained (watered and weeded) for 3 years after installation, until firmly established.</p>
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Time of Implementation: Design, Construction, Post-Construction

Method: ☐ Incorporated into the project design
☒ Included in the project plans and specifications (contractor will implement)
☒ County forces
☐ Other (specify)

Design Engineer certifies that this mitigation measure has been incorporated into the project.

Comments: Pruning standards and erosion control will be included in the project contract. The County may perform the revegetation as part of a separate contract or include it in the project contract.

Construction Engineer certifies that this mitigation measure was implemented and monitored during construction.

Comments:

BIO-6	The County will require the contractor to install temporary plastic mesh-type construction fencing (Tensor Polygrid or equivalent), that is a minimum of 4 feet tall, between the construction zone and naturally vegetated areas that are not to be disturbed, except where existing fencing will remain and serve the same purpose. The areas to require fencing will be determined in consultation with PRMD and shown on plans when final design of the project is complete. The protective fencing will be tightly strung on posts with a maximum 10 ft spacing and be in place prior to clearing and grubbing. The fencing will be maintained throughout the construction period and removed by October 15.
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Time of Implementation: Design, Pre-Construction, Construction

Method: ☐ Incorporated into the project design
☒ Included in the project plans and specifications (contractor will implement)
☐ County forces
☐ Other (specify)

Design Engineer certifies that this mitigation measure has been incorporated into the project.

Comments:

Construction Engineer certifies that this mitigation measure was implemented and monitored during construction.

Comments:

BIO-7	The standard construction contract language requires the contractor to comply with all laws and regulations (Caltrans Standard Specifications, section 7-1.02). The contractor shall be made aware that, if there is removal of any trees on private property outside of the leased area in conjunction with this project, it must be in accordance with the following: 1) the County Tree Protection and Replacement Ordinance; 2) the Sonoma County Valley Oak Stewardship Guidelines for valley oak trees removed within the Valley Oak Habitat combining district; and 3) the Heritage or Landmark Tree Ordinance. Enforcement of this measure will be through a combination of the General Services and PRMD staff.
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Time of Implementation: Design, Construction

Method: ☐ Incorporated into the project design
☒ Included in the project plans and specifications (contractor will implement)
☐ County forces
☐ Other (specify)

Design Engineer certifies that this mitigation measure has been incorporated into the project.

Comments:

Construction Engineer certifies that this mitigation measure was implemented and monitored during construction.

Comments:

BIO-9	<p>A. All spoils from the footing excavations and drilled pier holes will be removed from the river channel (top-of-bank to top-of-bank) and disposed of in a lawful manner.</p> <p>B. All surplus soils will be disposed of at an acceptable disposal site. If any areas outside the project site are used for disposal or stockpiling of soil or other materials, the contractor will be required to demonstrate that the site has all the required permits, including, if applicable, a grading permit. The contractor will notify the California Department of Fish and Wildlife of the intent to use the site, and the Sonoma County Permit and Resource Management Department to determine if a grading permit is required. The contractor will be required to provide evidence to the County that the site does not affect wetlands under the jurisdiction of the Army Corps of Engineers, or that the site has the appropriate permit from the Army Corps of Engineers.</p> <p>C. Surplus concrete rubble or pavement will either be disposed of at an acceptable and legally permitted disposal site or taken to a permitted concrete and/or asphalt recycling facility.</p>
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Time of Implementation: Design, Construction

Method: ☐ Incorporated into the project design
☒ Included in the project plans and specifications (contractor will implement)
☐ County forces
☐ Other (specify)

Design Engineer certifies that this mitigation measure has been incorporated into the project.

Comments:

Construction Engineer certifies that this mitigation measure was implemented and monitored during construction.

Comments:

CULT-2	If archaeological materials are discovered during project construction, construction will cease in the immediate vicinity of the find until a qualified archaeologist is consulted to determine the significance of the find, and has recommended appropriate measures to protect the resource. Further disturbance of the resource will not be allowed until those recommendations deemed appropriate by the County have been implemented.
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Time of Implementation: Design, Construction

Method: ☐ Incorporated into the project design
☒ Included in the project plans and specifications (contractor will implement)
☐ County forces
☐ Other (specify)

Design Engineer certifies that this mitigation measure has been incorporated into the project.

Comments:

Construction Engineer certifies that this mitigation measure was implemented and monitored during construction.

Comments:

HAZ-1	Painted bridge materials will be treated as a hazardous material and handled in accordance with applicable provisions of Caltrans Standard Special Provisions (2010) for the removal of lead paint, Provision 14-11.08, Disturbance of Existing Paint Systems on Bridges, which will be included in the project contract. In general, these will include development of a debris containment and collection program, lead compliance plan, provisions to protect worker safety and health in compliance with Title 8 California Code of Regulations, including § 1532.1., and provisions for the proper handling and disposal of debris in accordance with all applicable Federal State and local hazardous waste laws. The contractor will be required to prepare and submit drawings to the County of the containment systems to be used.
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Time of Implementation: Design, Construction

Method: ☐ Incorporated into the project design
☒ Included in the project plans and specifications (contractor will implement)
☐ County forces
☐ Other (specify)

Design Engineer certifies that this mitigation measure has been incorporated into the project.

Comments:

Construction Engineer certifies that this mitigation measure was implemented and monitored during construction.

Comments:

HAZ-2	The construction contract will require that any storage of flammable liquids be in compliance with the Sonoma County Fire Code and Section 7-1.01G of the Caltrans Standard Specifications (2006) (or the functional equivalent) for the protection of surface waters. In the event of a spill of hazardous materials the Contractor will immediately call the emergency number 9-1-1 to report the spill, and will take appropriate actions to contain the spill to prevent further migration of the hazardous materials to stormwater drains or surface waters.
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Time of Implementation: Design, Construction

Method: ☐ Incorporated into the project design
☒ Included in the project plans and specifications (contractor will implement)
☐ County forces
☐ Other (specify)

Design Engineer certifies that this mitigation measure has been incorporated into the project.

Comments:

Construction Engineer certifies that this mitigation measure was implemented and monitored during construction.

Comments:

HYDRO-4	<p>A. Storm water best management practices shall be designed and installed pursuant to the adopted Sonoma County Best Management Practice Guide.</p> <p>B. Prior to advertising for construction bids, plans and specifications, including all storm water best management practices, shall be submitted for review by the Environmental Review Division of the Permit and Resource Management Department. The construction plans shall be in substantial conformance with the plans reviewed during the CEQA review process.</p> <p>C. Following construction or by October 15 of any construction year, disturbed areas be regraded to match pre-project contours. Erosion control measures will be used on all disturbed erodible surfaces (no erosion control is required for existing vehicle access roads, the gravel bar or active channel of the river). Disturbed areas will be seeded with an appropriate native seed mix. Straw will be placed on these disturbed areas, and a jute mesh type or equivalent matting will be placed over the straw, installed per the manufacturer's instructions. This matting will have no plastic incorporated into it. Straw wattles will be placed along the top-of-bank of the ephemeral drainage. Substitution of materials or erosion control methods will require prior approval from the Sonoma County Permit and Resource Management Department and Department of Transportation and Public Works. The Sonoma County Permit and Resource Management will verify storm water best management practice installation and functionality.</p> <p>D. The project site will be inspected following the first heavy rain, during the middle of the rainy season and at the end of the rainy season following construction. During each visit, areas of significant erosion or erosion control device failure will be noted and appropriate remedial actions taken.</p>
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Time of Implementation: Design, Construction, Post-Construction

Method: ☐ Incorporated into the project design
☒ Included in the project plans and specifications (contractor will implement)
☒ County forces
☐ Other (specify)

Design Engineer certifies that this mitigation measure has been incorporated into the project.

Comments:

Construction Engineer certifies that this mitigation measure was implemented and monitored during construction.

Comments:

HYDRO-6	<p>A. The County will not allow any motorized equipment (besides the stationary crane and drill rig) to be left on the gravel work pad within the ordinary high water of the Russian River channel overnight. A container or equally effective device shall be securely placed beneath the crane/drill rig to catch any fluid leakage. Motorized equipment stored elsewhere at the project site overnight must have a container or equally effective device securely placed beneath it to catch any fluid leakage. All contained fluids shall be disposed of in a lawful manner.</p> <p>B. All refueling and maintenance of equipment (other than the stationary crane/drill rig) shall occur outside the channel of the Russian River (top of bank to top of bank) at the upper staging area (parking lot).</p> <p>C. To minimize fluid leaks during operation, refueling, and maintenance of stationary equipment (crane /drill rig), spill control absorbent material shall be in place underneath this equipment at all times to capture potential leaks.</p> <p>D. Receptacles containing fuel, oil, or any other substance that may adversely affect aquatic resources shall be stored outside of the channel. Any hazardous chemical spills shall be cleaned up immediately.</p> <p>E. Prior to construction, the contractor shall be required to prepare an Accidental Spill Prevention and Cleanup Plan. This plan shall include requiring spill control absorbent material to be present on site and available at all times.</p> <p>F. The contractor will be required to inspect all equipment for leaks on a daily basis. Equipment found to be leaking oil, gasoline, or other fluid will be immediately removed from the work site, and leaked fluids will be cleaned up.</p>
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Time of Implementation: Design, Construction

Method:

<input type="checkbox"/>	Incorporated into the project design
<input checked="" type="checkbox"/>	Included in the project plans and specifications (contractor will implement)
<input type="checkbox"/>	County forces
<input type="checkbox"/>	Other (specify)

Design Engineer certifies that this mitigation measure has been incorporated into the project.

Comments:

Construction Engineer certifies that this mitigation measure was implemented and monitored during construction.

Comments:

HYDRO-7	The County will require the contractor to use a drilling mud and slurry seal that is non-toxic to aquatic life for all drilling activities. All drilling muds and fluid within all drilled holes shall be contained on site in tanks (or pumped directly to trucks), removed from the project area, and disposed of in a permitted manner.
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Time of Implementation: Design, Construction

Method: ☐ Incorporated into the project design
☒ Included in the project plans and specifications (contractor will implement)
☐ County forces
☐ Other (specify)

Design Engineer certifies that this mitigation measure has been incorporated into the project.

Comments:

Construction Engineer certifies that this mitigation measure was implemented and monitored during construction.

Comments:

HYDRO-8	<p>A. All water displaced by concrete pouring activities will be pumped to a truck for disposal or treatment, in an appropriate manner outside the banks of any waterway. Water may be sprayed on uplands if it is done so in a manner that will not allow it to flow directly back into the banks of any waterway.</p> <p>B. No equipment, including concrete trucks, shall be washed within the channel of the creek, or where wash water could flow into the channel. Prior to project construction, the contractor shall establish a concrete washout area for concrete trucks in a location where wash water will not enter the Russian River or ephemeral drainage. The washout area shall follow the practices outlined in the San Francisco Bay Regional Water Quality Control Board Erosion and Sediment Control Field Manual (page 107-108, July 1999) or equivalent guidelines. Substitution of the designated concrete washout area or methods will require prior approval from PRMD and the DTPW.</p>
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Time of Implementation: Design, Construction

Method:

<input type="checkbox"/>	Incorporated into the project design
<input checked="" type="checkbox"/>	Included in the project plans and specifications (contractor will implement)
<input type="checkbox"/>	County forces
<input type="checkbox"/>	Other (specify)

Design Engineer certifies that this mitigation measure has been incorporated into the project.

Comments:

Construction Engineer certifies that this mitigation measure was implemented and monitored during construction.

Comments:

HYDRO-9	The contractor will install a debris barrier to prevent the discharge of demolition materials and concrete into receiving waters, in accordance with Caltrans Standard Specification 13-4.03E(6) "Structure Removal Over or Adjacent to Water."
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Time of Implementation: Design, Construction

Method: ☐ Incorporated into the project design
☒ Included in the project plans and specifications (contractor will implement)
☐ County forces
☐ Other (specify)

Design Engineer certifies that this mitigation measure has been incorporated into the project.

Comments:

Construction Engineer certifies that this mitigation measure was implemented and monitored during construction.

Comments:

NOISE-2	<p>Construction activities for this project shall be restricted as follows:</p> <ul style="list-style-type: none"> A. All internal combustion engines used during construction of this project will be operated with mufflers that meet the requirements of the State Resources Code, and, where applicable, the Vehicle Code. B. Except for actions taken to prevent an emergency, or to deal with an existing emergency, all construction activities shall be restricted to the hours of 7:00 am to 7:00 pm on weekdays and 9:00 am to 7:00 pm on weekends and holidays. Only work that does not require motorized vehicles or power equipment shall be allowed on holidays. If work outside the times specified above becomes necessary, the resident engineer shall notify the PRMD Environmental Review Division as soon as practical.
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Time of Implementation: Design, Construction

Method: ☐ Incorporated into the project design
☐ Included in the project plans and specifications (contractor will implement)
☐ County forces
☐ Other (specify)

Design Engineer certifies that this mitigation measure has been incorporated into the project.

Comments:

Construction Engineer certifies that this mitigation measure was implemented and monitored during construction.

Comments:

PUB-1	Prior to use of the parking lot by the contractor, Sonoma County DTPW will coordinate with Water Agency Water Education Staff to designate portions of the parking that lot may be used for construction staging without impacting use of the Westside Facility.
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Time of Implementation: Design, Construction

Method: ☐ Incorporated into the project design
☒ Included in the project plans and specifications (contractor will implement)
☒ County forces
☐ Other (specify)

Design Engineer certifies that this mitigation measure has been incorporated into the project.

Comments:

Construction Engineer certifies that this mitigation measure was implemented and monitored during construction.

Comments:

REC-1	<p>Safe passage for boaters will be provided through the construction site at all times, either by providing a navigable passage for boating or by providing a portage path through the project site.</p> <p><u>Portage</u> The location of the alternate portage path will be determined by the Engineer. The alternate portage path shall be posted with signs as shown in the plans. The alternate portage path shall provide sufficient width and vertical clearance to allow passage of users carrying kayaks or rafts and be kept in good condition and clear of obstructions. Not less than two working days prior to closing of the Russian River to boating traffic the Contractor shall have delivered written notices to the Sonoma County Sheriff's Office. Copies of such notices shall also be provided to the Engineer not less than two working days prior to the closure.</p> <p>When the Russian River is closed to boating traffic, the Contractor shall furnish and have installed warning signs on both sides of the Russian River upstream and downstream from the construction zone, as shown on the plans. The sign locations must be approved by the Engineer prior to installation. The signs shall be removed or covered when waterway closures are not in effect.</p> <p>During operations that may result in falling debris, the Contractor shall provide a watchman upstream and downstream from the work zone to ensure that boaters or hikers do not enter the work zone. The watchman shall be equipped with a hand-held loud speaker and shall be on continuous duty at a sufficient distance from the bridge so that boaters are held until allowed to proceed on the portage path.</p> <p><u>Passage</u> Construction bridges, embankments, falsework, or other temporary work constructed by the Contractor within the limits of the usable channel of the Russian River shall be provided with one opening for the passage of small boats. The opening shall have a horizontal clearance of not less than 20 feet measured normal to the direction of flow and a vertical clearance of not less than 8 feet measured from the normal water elevation. The opening and the approach channels shall be marked in conformance with the requirements of the California Administrative Code, Title 14, Division 4, Department of Navigation and Ocean Development, Waterway Marking System, Sacramento, California.</p>
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Time of Implementation: Design, Construction

Method: ☐ Incorporated into the project design
☒ Included in the project plans and specifications (contractor will implement)
☐ County forces
☐ Other (specify)

Design Engineer certifies that this mitigation measure has been incorporated into the project.

Comments:

Construction Engineer certifies that this mitigation measure was implemented and monitored during construction.

Comments:

TRAF-1	<p>If lengthy delays are anticipated, signs will be placed at all entrances to the project site and on major intersecting roads to notify motorists and bicyclists that traffic will be subject to delay.</p> <p>Signs notifying motorists and bicyclists of bridge closures will be placed at least 5 days in advance of the closures. In addition to signs, DTPW will also post closures on the DTPW website and/or issue press releases to notify the traveling public five to ten days in advance of the closures. DTPW will provide direct notification to the Sonoma County Bicycle Coalition, Santa Rosa Cycling Club, the Russian River Valley Winegrowers and others requesting direct notification of closures.</p> <p>The project plans will contain a detour plan to be implemented by the contractor.</p>
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Time of Implementation: Design, Construction

Method:

<input type="checkbox"/>	Incorporated into the project design
<input checked="" type="checkbox"/>	Included in the project plans and specifications (contractor will implement)
<input checked="" type="checkbox"/>	County forces
<input type="checkbox"/>	Other (specify)

Design Engineer certifies that this mitigation measure has been incorporated into the project.

Comments:

Construction Engineer certifies that this mitigation measure was implemented and monitored during construction.

Comments:

TRAF-2	Traffic safety guidelines compatible with Section 12 of the Caltrans Standard Specifications, "Temporary Traffic Control," will be followed during construction. Project plans and specifications will also require that adequate signing and other precautions for public safety be provided during project construction.
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Time of Implementation: Design, Construction

Method: ☐ Incorporated into the project design
☒ Included in the project plans and specifications (contractor will implement)
☐ County forces
☐ Other (specify)

Design Engineer certifies that this mitigation measure has been incorporated into the project.

Comments:

Construction Engineer certifies that this mitigation measure was implemented and monitored during construction.

Comments:

TRAF-3	<p>A. Local emergency services shall be notified prior to construction to inform them that traffic delays may occur, and also of the proposed construction schedule.</p> <p>B. The County will require the contractor to provide for passage of emergency vehicles through the project site at all times, except when the bridge is closed for bearing and deck replacement.</p> <p>C. Emergency services will be notified of complete bridge closures at least 5 days in advance of the closures. The contractor will provide proof of the notification to the County construction staff.</p> <p>D. The County will require the contractor to maintain access to all parcels during project construction.</p>
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Time of Implementation: Pre-construction, Post-construction

Method: ☐ Incorporated into the project design
☒ Included in the project plans and specifications (contractor will implement)
☐ County forces
☐ Other (specify)

Design Engineer certifies that this mitigation measure has been incorporated into the project.

Comments:

Construction Engineer certifies that this mitigation measure was implemented and monitored during construction.

Comments: