Central Valley Regional Water Quality Control Board

1 December 2015

Sambath Chrun
Stanislaus County
1716 Morgan Road
Modesto, CA 95358

CERTIFIED MAIL
91 7199 9991 7035 8361 5653

CLEAN WATER ACT §401 TECHNICALLY CONDITIONED WATER QUALITY CERTIFICATION; STANISLAUS COUNTY, SANTA FE AVENUE OVER TUOLUMNE RIVER BRIDGE REPLACEMENT PROJECT (WDID#5B50CR00071), STANISLAUS COUNTY

This Order responds to the 5 June 2015 application submitted by Stanislaus County (Applicant) for the Water Quality Certification of the Santa Fe Avenue Over Tuolumne River Bridge Replacement Project (Project), temporarily impacting 0.32 acre/132 linear feet of waters of the United States, and permanently impacting 0.33 acre/328 linear feet and temporarily impacting 0.38 acre/325 linear feet of waters of the State.

This Order serves as certification of the United States Army Corps of Engineers' Nationwide Permit #6 and 33 (SPK-2015-00497) under § 401 of the Clean Water Act, and a Waste Discharge Requirement under the Porter-Cologne Water Quality Control Act and State Water Board Order 2003-0017-DWQ.

WATER QUALITY CERTIFICATION STANDARD CONDITIONS:

1. This Order serves as a Water Quality Certification (Certification) action that is subject to modification or revocation upon administrative or judicial review, including review and amendment pursuant to § 13330 of the California Water Code and § 3867 of the California Code of Regulations.

2. This Certification action is not intended and shall not be construed to apply to any discharge from any activity involving a hydroelectric facility requiring a Federal Energy Regulatory Commission (FERC) license or an amendment to a FERC license unless the pertinent Certification application was filed pursuant to § 3855(b) of the California Code of Regulations, and the application specifically identified that a FERC license or amendment to a FERC license for a hydroelectric facility was being sought.

3. The validity of any non-denial Certification action shall be conditioned upon total payment of the full fee required under § 3860(c) of the California Code of Regulations.

4. This Certification is no longer valid if the project (as described) is modified, or coverage under § 404 of the Clean Water Act has expired.

5. All reports, notices, or other documents required by this Certification or requested by the Central Valley Regional Water Quality Control Board (Central Valley Water Board) shall be signed by a person described below or by a duly authorized representative of that person.

   (a) For a corporation: by a responsible corporate officer such as: 1) a president, secretary, treasurer, or vice president of the corporation in charge of a principal business function; 2) any other person who performs similar policy or decision-making functions for the corporation; or 3) the manager of one or more manufacturing, production, or operating facilities if authority to sign documents has been assigned or delegated to the manager in accordance with corporate procedures.
   (b) For a partnership or sole proprietorship: by a general partner or the proprietor.
   (c) For a municipality, state, federal, or other public agency: by either a principal executive officer or ranking elected official.

6. Any person signing a document under Standard Condition number 5 shall make the following certification:

   "I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations."

TECHNICAL CERTIFICATION CONDITIONS:

In addition to the above standard conditions, the Applicant shall satisfy the following:

1. The Applicant shall notify the Central Valley Water Board in writing seven (7) days in advance of the start of any work within waters of the United States and waters of the State.

2. Except for activities permitted by the United States Army Corps of Engineers under § 404 of the Clean Water Act, soil, silt, or other organic materials shall not be placed where such materials could pass into surface water or surface water drainage courses.

3. The Applicant shall maintain a copy of this Certification and supporting documentation (Project Information Sheet) at the Project site during construction for review by site personnel and agencies. All personnel (employees, contractors, and subcontractors)

performing work on the proposed project shall be adequately informed and trained regarding the conditions of this Certification.

4. The Applicant shall perform surface water sampling:
   a) when performing any in-water work;
   b) in the event that project activities result in any materials reaching surface waters; or
   c) when any activities result in the creation of a visible plume in surface waters.

   The sampling requirements in Table 1 shall be conducted upstream out of the influence of the project, and 300 feet downstream of the work area. The sampling frequency may be modified for certain projects with written approval from Central Valley Water Board staff.

Table 1:

Parameter	Unit	Type of Sample	Minimum Sampling Frequency	Required Analytical Test Method
Turbidity	NTU	Grab(1)	Every 4 hours during in-water work	(2, 4)
Settleable Material	mL/L	Grab(1)	Every 4 hours during in-water work	(2)
Visible construction related pollutants (3)	Observations	Visual Inspections	Continuous throughout the construction period	—
pH	Standard Units	Grab(1)	Every 4 hours during in-water work	(2, 4)

(1) Grab samples shall not be collected at the same time each day to get a complete representation of variations in the receiving water.
(2) Pollutants shall be analyzed using the analytical methods described in 40 Code of Federal Regulations Part 136; where no methods are specified for a given pollutant, the method shall be approved by Central Valley Water Board staff.
(3) Visible construction-related pollutants include oil, grease, foam, fuel, petroleum products, and construction-related, excavated, organic or earthen materials.
(4) A hand-held field meter may be used, provided the meter utilizes a USEPA-approved algorithm/method and is calibrated and maintained in accordance with the manufacturer's instructions. A calibration and maintenance log for each meter used for monitoring shall be maintained onsite.

Surface water sampling shall occur at mid-depth. A surface water monitoring report shall be submitted within two weeks of initiation of in-water construction, and every two weeks thereafter. In reporting the sampling data, the Applicant shall arrange the data in tabular form so that the sampling locations, date, constituents, and concentrations are readily discernible. The data shall be summarized in such a manner to illustrate clearly whether the project complies with Certification requirements. The report shall include surface water sampling results, visual observations, and identification of the turbidity increase in the receiving water applicable to the natural turbidity conditions specified in the turbidity criteria below.

If no sampling is required, the Applicant shall submit a written statement stating, "No sampling was required" within two weeks of initiation of in-water construction, and every two weeks thereafter.

5. The Central Valley Water Board adopted a *Water Quality Control Plan for the Sacramento River and San Joaquin River Basins*, Fourth Edition, revised October 2011 (Basin Plan) that designates beneficial uses, establishes water quality objectives, and contains implementation programs and policies to achieve those objectives for all waters addressed through the plan. Turbidity, settleable matter, and pH limits are based on water quality objectives contained in the Basin Plan and are part of this Certification as follows:

   a) Activities shall not cause turbidity increases in surface water to exceed:
      i. where natural turbidity is less than 1 Nephelometric Turbidity Units (NTUs), controllable factors shall not cause downstream turbidity to exceed 2 NTUs;
      ii. where natural turbidity is between 1 and 5 NTUs, increases shall not exceed 1 NTU;
      iii. where natural turbidity is between 5 and 50 NTUs, increases shall not exceed 20 percent;
      iv. where natural turbidity is between 50 and 100 NTUs, increases shall not exceed 10 NTUs; and
      v. where natural turbidity is greater than 100 NTUs, increases shall not exceed 10 percent.

      Appropriate averaging periods may be applied, provided that beneficial uses will be fully protected.

   b) Activities shall not cause settleable matter to exceed 0.1 mL/L in surface waters as measured in surface waters within 300 feet downstream of the project.

   c) Activities shall not cause pH to be depressed below 6.5 nor raised above 8.5 in surface water.

6. The Applicant shall notify the Central Valley Water Board immediately if the above criteria for turbidity, settleable matter, pH, or other water quality objectives are exceeded.

7. In-water work shall occur during periods of low flow and no precipitation. The Applicant shall perform surface water sampling in accordance with Technical Certification Condition No. 4, if any of the following conditions occur: 1) in-water work is conducted; 2) Project activities result in any materials reaching surface waters; or 3) Project activities result in the creation of a visible plume in surface waters.

8. Activities shall not cause visible oil, grease, or foam in the receiving water.

9. Refueling of equipment within the floodplain or within 300 feet of the waterway is prohibited. If critical equipment must be refueled within 300 feet of the waterway, spill prevention and countermeasures must be implemented to avoid spills. Refueling areas shall be provided

with secondary containment including drip pans and/or placement of absorbent material. No hazardous materials, pesticides, fuels, lubricants, oils, hydraulic fluids, or other construction-related potentially hazardous substances should be stored within a floodplain or within 300 feet of a waterway. The Applicant must perform frequent inspections of construction equipment prior to utilizing it near surface waters to ensure leaks from the equipment are not occurring and are not a threat to water quality.

10. The Applicant shall develop and maintain onsite a project-specific Spill Prevention, Containment and Cleanup Plan outlining the practices to prevent, minimize, and/or clean up potential spills during construction of the project. The Plan must detail the project elements, construction equipment types and location, access and staging and construction sequence.

11. Concrete must be completely cured before coming into contact with waters of the United States and waters of the State. Surface water that contacts wet concrete must be pumped out and disposed of at an appropriate off-site commercial facility, which is authorized to accept concrete wastes.

12. A method of containment must be used below the bridge to prevent debris from falling into the water body.

13. Silt fencing, straw wattles, or other effective management practices must be used along the construction zone to minimize soil or sediment along the embankments from migrating into the waters of the United States and waters of the State through the entire duration of the project.

14. The use of netting material (e.g., monofilament-based erosion blankets) that could trap aquatic dependent wildlife is prohibited within the project area.

15. All areas disturbed by project activities shall be protected from washout and erosion.

16. All temporarily affected areas shall be restored to pre-construction contours and conditions upon completion of construction activities.

17. Hydroseeding shall be performed with California native seed mix.

18. All materials resulting from the project shall be removed from the site and disposed of properly.

19. This Certification does not allow permanent water diversion of flow from the receiving water. This Certification is invalid if any water is permanently diverted as a part of the project.

20. If temporary surface water diversions or dewatering are anticipated, the Applicant shall develop and maintain on-site a Surface Water Diversion or Dewatering Plan. The Plans must be developed prior to initiation of any water diversions. The Plans shall include the proposed method and duration of diversion activities. The Plans must be consistent with

this Certification and must be made available to the Central Valley Water Board staff upon request.

21. When work in a flowing stream is unavoidable and any dam or other artificial obstruction is being constructed, maintained, or placed in operation, sufficient water shall at all times be allowed to pass downstream, to maintain beneficial uses of waters of the State below the dam. Construction, dewatering, and removal of temporary cofferdams shall not violate Technical Certification Condition 5 of this Certification.

22. Any temporary dam or other artificial obstruction constructed shall only be built from clean materials such as sandbags, gravel bags, water dams, or clean/washed gravel which will cause little or no siltation. Stream flow shall be temporarily diverted using gravity flow through temporary culverts/pipes or pumped around the work site with the use of hoses.

23. The discharge of petroleum products, any construction materials, hazardous materials, pesticides, fuels, lubricants, oils, hydraulic fluids, raw cement, concrete, asphalt, paint, coating material, drilling fluids, or other construction-related potentially hazardous substances to surface water and/or soil is prohibited. In the event of a prohibited discharge, the Applicant shall notify the Central Valley Water Board Contact within 24-hours of the discharge.

24. The Applicant shall apply for a name change or amendment to this Certification should any of the following occur: a) a change in the ownership of all or any portion of the Project; b) any change in the project description; c) any change involving discharge amounts, temporary impacts, or permanent impacts; or d) amendments, modifications, revisions, extensions, or changes to the United States Army Corps of Engineers' Nationwide Permit #6 & 33, the United States Fish and Wildlife Service decision document, the National Marine Fisheries Service decision document, the Central Valley Flood Protection Board Encroachment Permit, or the California Department of Fish and Wildlife Streambed Alteration Agreement.

25. The Applicant shall comply with all California Department of Fish and Wildlife requirements, including those requirements described in Streambed Alteration Agreement No. 1600-2015-0107-R4.

26. The Applicant shall comply with all United States Fish and Wildlife Service requirements, including those requirements described in the Programmatic Biological Opinion (1-1-04-F-0084), dated 19 October 2005.

27. The Applicant shall implement the United States Fish and Wildlife Conservation Guidelines for the Valley Elderberry Longhorn Beetle dated 9 July 1999.

28. The Applicant shall comply with all National Marine Fisheries Service requirements, including those requirements described in the Letter of Concurrence (SWR-03-SA-8819:MTM) dated 30 October 2003.

29. The Applicant shall submit a copy of the final, signed, and dated Central Valley Flood Protection Board Encroachment Permit to the Central Valley Water Board Contact within 14 days of issuance by the Central Valley Flood Protection Board.

30. The Applicant shall comply with all Central Valley Flood Protection Board requirements, including those requirements described in the Encroachment Permit.

31. The Applicant shall obtain coverage under the National Pollutant Discharge Elimination System (NPDES) General Permit for Storm Water Discharges Associated with Construction and Land Disturbance Activities Order No. 2009-0009-DWQ for discharges to surface waters comprised of storm water associated with construction activity.

32. The Applicant shall work with the Central Valley Water Board to obtain coverage under an NPDES permit for dewatering activities that result in discharges into surface water.

33. The Conditions in this Certification are based on the information in the attached "Project Information Sheet." If the actual project, as described in the attached Project Information Sheet, is modified or changed, this Certification is no longer valid until amended by the Central Valley Water Board.

34. The Applicant shall implement each of the mitigation measures specified in the approved Mitigated Negative Declaration and Addendum to the Mitigated Negative Declaration for the project, as they pertain to biology, hydrology and water quality impacts as required by § 21081.6 of the Public Resource Code and § 15097 of the California Code of Regulations.

35. In the event of any violation or threatened violation of the conditions of this Certification, the violation or threatened violation shall be subject to any remedies, penalties, process, or sanctions as provided for under state and federal law. The applicability of any state law authorizing remedies, penalties, process, or sanctions for the violation or threatened violation constitutes a limitation necessary to ensure compliance with this Certification.

    (a) If the Applicant or a duly authorized representative of the project fails or refuses to furnish technical or monitoring reports, as required under this Certification, or falsifies any information provided in the monitoring reports, the applicant is subject to civil liability, for each day of violation, and/or criminal liability.

    (b) In response to a suspected violation of any condition of this Certification, the Central Valley Water Board may require the Applicant to furnish, under penalty of perjury, any technical or monitoring reports the Central Valley Water Board deems appropriate, provided that the burden, including cost of the reports, shall be in reasonable relationship to the need for the reports and the benefits to be obtained from the reports.

    (c) The Applicant shall allow the staff of the Central Valley Water Board, or an authorized representative(s), upon the presentation of credentials and other

documents, as may be required by law, to enter the project premises for inspection, including taking photographs and securing copies of project-related records, for the purpose of assuring compliance with this Certification and determining the ecological success of the project.

36. Prior to commencing construction, the Applicant shall provide evidence of all on-site compensatory mitigation to the Central Valley Water Board. At a minimum, compensatory mitigation must achieve a ratio of 1:1 for permanent impacts. Evidence of mitigation includes, but is not limited to, the restoration of 0.33 acre of riparian habitat as required by the Central Valley Regional Board.

    Compensatory mitigation must comply with the effective policy, which ensures no overall net loss of wetlands for impacts to waters of the State, at the time of Certification. The Applicant shall provide a plan for all on-site restoration activities within 14 days of construction activities.

NOTIFICATIONS AND REPORTS:

37. The Applicant shall provide a Notice of Completion (NOC) no later than 30 days after the project completion. The NOC shall demonstrate that the project has been carried out in accordance with the project description in the Certification and in any approved amendments. The NOC shall include a map of the project location(s), including final boundaries of any on-site restoration area(s), if appropriate, and representative pre and post construction photographs. Each photograph shall include a descriptive title, date taken, photographic site, and photographic orientation.

38. The Applicant shall submit all notifications, submissions, materials, data, correspondence, and reports in a searchable Portable Document Format (PDF). Documents less than 50 MB must be emailed to: centralvalleysacramento@waterboards.ca.gov. In the subject line of the email, include the Central Valley Water Board Contact, Project name, and WDID number as shown in the subject line above. Documents that are 50 MB or larger must be transferred to a disk and mailed to the Central Valley Water Board Contact.

CENTRAL VALLEY WATER BOARD CONTACT:

Stephanie Tadlock, Environmental Scientist
Central Valley Regional Water Quality Control Board
11020 Sun Center Drive, Suite 200
Rancho Cordova, CA 95670-8114
Stephanie.Tadlock@waterboards.ca.gov
(916) 464-4644

CALIFORNIA ENVIRONMENTAL QUALITY ACT:

Stanislaus County is the Lead Agency responsible for compliance with the California Environmental Quality Act for the Santa Fe Avenue Over Tuolumne River Bridge Replacement Project pursuant to § 21000 et seq. of the Public Resources Code. The Stanislaus County Board of Supervisors approved the Mitigated Negative Declaration on 6 January 2004 (SCH No. 2003042066). Stanislaus County filed a Notice of Determination with the Stanislaus County Clerk-Recorder on 30 January 2004.

Stanislaus County Board of Supervisors approved an Addendum to the Mitigated Negative Declaration on 4 March 2015.

The Central Valley Water Board is a responsible agency for the project. The Central Valley Water Board has determined that the Mitigated Negative Declaration and Addendum to the Mitigated Negative Declaration is in accordance with the requirements of the California Environmental Quality Act.

The Central Valley Water Board has reviewed and evaluated the impacts to water quality identified in the Mitigated Negative Declaration and Addendum to the Mitigated Negative Declaration. The mitigation measures discussed in the Mitigated Negative Declaration and Addendum to the Mitigated Negative Declaration to minimize project impacts to State waters are required by this Certification.

With regard to the remaining impacts identified in the Mitigated Negative Declaration and Addendum to the Mitigated Negative Declaration, the corresponding mitigation measures proposed are within the responsibility and jurisdiction of other public agencies.

WATER QUALITY CERTIFICATION:

I hereby issue an Order certifying that any discharge from the Stanislaus County, Santa Fe Avenue Over Tuolumne River Bridge Replacement Project (WDID#5B50CR00071) will comply with the applicable provisions of § 301 ("Effluent Limitations"), § 302 ("Water Quality Related Effluent Limitations"), § 303 ("Water Quality Standards and Implementation Plans"), § 306 ("National Standards of Performance"), and § 307 ("Toxic and Pretreatment Effluent Standards") of the Clean Water Act. Through this Order, this discharge is also regulated under State Water Resources Control Board Water Quality Order No. 2003-0017 DWQ "Statewide General Waste Discharge Requirements For Dredged Or Fill Discharges That Have Received State Water Quality Certification (General WDRs)".

Except insofar as may be modified by any preceding conditions, all Certification actions are contingent on: a) the discharge being limited and all proposed mitigation being completed in compliance with the conditions of this Certification, Stanislaus County's application package, and the attached Project Information Sheet; and b) compliance with all applicable requirements of the *Water Quality Control Plan for the Sacramento River and San Joaquin River Basins*, Fourth Edition, revised October 2011.

Pamela C. Creedon
Executive Officer

Enclosure: Project Information Sheet

Attachments: Figure 1 – Project Location Map
Figure 2 – Project Impacts Map
Figure 3 – Trestle and Falsework Design

cc: Distribution List, page 16

PROJECT INFORMATION SHEET

Application Date: 5 June 2015

Applicant: Sambath Chrun
Stanislaus County
1716 Morgan Road
Modesto, CA 95358

Applicant Representative: Sarah Holm
Dokken Engineering
110 Blue Ravine Road, Suite 200
Folsom, CA 95630

Project Name: Santa Fe Over Tuolumne River Bridge Replacement Project

Application Number: WDID#5B50CR00071

Date on Public Notice: 5 June 2015

Date Application Deemed Complete: 13 July 2015

Type of Project: Transportation – Bridge Replacements, Overpasses, and Crossings

Approved Months of Project Implementation: 6 November 2015 through 1 November 2018

Project Location: Section 5 & 32, Township 4 South & 5 South, Range 10 East, MDB&M. Latitude: 37°37'22.94" N and Longitude: 120°53'57.65" W

County: Stanislaus County

Receiving Water(s) (hydrologic unit): Tuolumne River, San Joaquin Hydrologic Basin, San Joaquin Valley Floor Hydrologic Unit #535.50, Turlock HA

Water Body Type: Stream bed, Riparian

Designated Beneficial Uses: The *Water Quality Control Plan for the Sacramento River and San Joaquin River Basins*, Fourth Edition, revised October 2011 (Basin Plan) has designated beneficial uses for surface and ground waters within the region. Beneficial uses that could be impacted by the project include, but are not limited to: Municipal and Domestic Water Supply (MUN); Agricultural Supply (AGR); Industrial Supply (IND); Hydropower Generation (POW); Groundwater Recharge (GWR); Water Contact Recreation (REC-1); Non-Contact Water Recreation (REC-2); Warm Freshwater Habitat (WARM); Cold Freshwater Habitat (COLD); Preservation of Biological Habitats of Special Significance (BIOL); Rare, Threatened, or Endangered Species (RARE); Migration of Aquatic Organisms (MIGR); Spawning,

Reproduction, and/or Early Development (SPWN); and Wildlife Habitat (WILD). A comprehensive and specific list of the beneficial uses applicable for the project area can be found at http://www.waterboards.ca.gov/centralvalley/water_issues/basin_plans/index.shtml.

303(d) List of Water Quality Limited Segments: The Tuolumne River is the receiving water for the Santa Fe Avenue Over Tuolumne River Bridge Replacement Project. The Tuolumne River is on the 303(d) list for Chlorpyrifos, Diazinon, Group A Pesticides, and Mercury. This project, as conditioned with mitigation measures to prevent transport of sediment due to project activities, will minimize impacts to the Tuolumne River. The most recent list of approved water quality limited segments is found at: http://www.waterboards.ca.gov/water_issues/programs/tmdl/integrated2010.shtml.

Project Description: The Santa Fe Avenue Over Tuolumne River Bridge Replacement Project (Project) is located at the Tuolumne River between the communities of Empire and Hughson. The Project consists of: 1) performing geotechnical investigations prior to bridge construction; 2) removing the existing Santa Fe Avenue Bridge; 3) constructing a new bridge; and 4) re-aligning Santa Fe Avenue with the new bridge structure.

Geotechnical Investigations

Prior to bridge construction additional geotechnical investigations will be conducted in the late 2015. Borings will be located where the new columns are proposed and will not be within the river's ordinary high water mark. Work involves mud-rotary drilling techniques to drill two borings to a 160-foot depth and a backhoe for minor vegetation clearing to boring locations. Support trucks will be needed on the north and south side of the bridge during drilling. The geotechnical investigation will not impact waters of the United States.

Bridge Removal

Prior to bridge removal, two trestles providing construction access to the existing and new structure will be placed to the east and west side of the existing Santa Fe Avenue Bridge. All temporary falsework will be constructed to support construction of the new cast-in-place concrete bridge and for removal of the existing bridge, as shown in Figure 3. The falsework will be place over the active channel of the Tuolumne River on a steel or durable timber trestle for stability during construction activities. No work in the active channel will take place off the confines of the temporary work trestle and falsework during the rainy season. The falsework will be removed before the rainy season begins to avoid any potential pollution of the active water channel. The trestle will remain in place during the rainy season if permitted by the Central Valley Flood Protection Board. The steel base of the trestle will temporarily impact 0.32 acre/132 linear feet of waters of the United States and temporarily impact 0.38 acre/325 linear feet of waters of the State.

To minimize disturbance to the channel, temporary trestles will be constructed horizontally in sections, where the preceding sections provide construction access for installation of subsequent trestle portions. The project will implement preventative measures designed to keep materials out of the active river channel for the duration of bridge demolition activities. Sheet piles will be used to create cofferdams within the river channel at the existing 3rd, 4th, and 5th

bridge piers to facilitate removal in dry conditions. All sheet piles will be installed and removed using vibratory driving methods.

Bridge Construction

The proposed bridge replacement is a clear, three-span, 520-foot long by 55-foot wide, cast-in-place, pre-stressed concrete box girder bridge. The bridge will accommodate two 12-foot lanes, two 8-foot shoulders, a 12-foot center median, and two 1.5-foot bridge railings. The bridge will be supported by a total of four 7-foot diameter columns. Each pier will be supported by two columns. The project will implement preventative measures designed to keep materials out of the active river channel for the duration of bridge construction activities. The pier construction will occur outside of the ordinary high water mark and not impact waters of the United States.

Santa Fe Avenue Realignment

Realigning Santa Fe Avenue will extend approximately 1,025 feet south of the bridge and 820 feet north of the bridge. Three driveways will be modified due to the new horizontal and vertical roadway alignment. The road realignment will not impact waters of the United States. Realignment will permanently impact 0.33 acre/328 linear feet of waters of the State.

Summary of Impacts

Dewatering will occur within the Project area to create a dry area for bridge removal. Wet concrete will be placed into the stream bed (waters of the United States) in dry conditions after fully dewatering the work area. The Project will temporarily impact 0.32 acre/132 linear feet of stream bed (waters of the United States) and permanently impact 0.33 acre/328 linear feet and temporarily impact 0.38 acre/325 linear feet of riparian habitat (waters of the State).

Preliminary Water Quality Concerns: Construction activities may impact surface waters with increased turbidity, settleable matter, and pH.

Proposed Mitigation to Address Concerns: The Applicant will implement Best Management Practices to control sedimentation and erosion. The Applicant will conduct turbidity, settleable matter, and pH testing during in-water work, stopping work if Basin Plan criteria are exceeded or observations indicate an exceedance of a water quality objective.

All temporary affected areas will be restored to pre-construction contours and conditions upon completion of construction activities to provide 1:1 mitigation for temporary impacts.

Excavation/Fill Area: Approximately 50 cubic yards of concrete structure will be excavated from 0.32 acre of waters of the United States.

Approximately 50 cubic yards of steel will be placed into 0.32 acre of waters of the United States. Approximately 50 cubic yards of steel will be placed into 0.33 acre of waters of the State and 50 cubic yards of native soil will be placed into 0.38 acre of waters of the State.

Dredge Volume: None

California Integrated Water Quality System Impact Data: The Project will permanently impact 0.33 acre/328 linear feet of riparian habitat and temporarily impact 0.38 acre/325 linear feet of riparian habitat from fill activities. The Project will temporarily impact 0.32 acre/132 linear feet of stream bed habitat from fill and excavation activities.

Table 2: Impacts from Fill and Excavation Activities

Aquatic Resource Type	Temporary			Permanent					
				Physical Loss of Area			Degradation of Ecological Condition Only		
	Acres	Cubic-yards	Linear-feet	Acres	Cubic-yards	Linear-feet	Acres	Cubic-yards	Linear-feet
Riparian Zone	0.38	--	325	0.33	--	328	--	--	--
Stream Channel	0.32	--	132	--	--	--	--	--	--

United States Army Corps of Engineers File Number: SPK-2015-00497

United States Army Corps of Engineers Permit Type: Nationwide Permit #6 and 33

California Department of Fish and Wildlife Streambed Alteration Agreement: 1600-2015-0107-R4

Possible Listed Species: Central Valley spring-run Chinook salmon, Central Valley steelhead, hardhead, Townsend's big-eared bat, and Valley elderberry longhorn beetle.

Status of CEQA Compliance: The Stanislaus County Board of Supervisors approved a Mitigated Negative Declaration on 6 January 2004 and Addendum to the Mitigated Negative Declaration on 4 March 2015 (SCH No. 2003042066). Stanislaus County filed a Notice of Determination with the Stanislaus County Clerk-Recorder on 30 January 2004.

The Central Valley Water Board will file a Notice of Determination with the State Clearinghouse as a responsible agency within five (5) days of the date of this Certification.

Compensatory Mitigation: Prior to commencing construction, the Applicant shall provide evidence of all off-site compensatory mitigation to the Central Valley Water Board. Evidence of on-site compensatory mitigation shall be provided with the Notice of Completion. At a minimum, compensatory mitigation must achieve a ratio of 1:1 for permanent impacts. Evidence of mitigation includes, but is not limited to, the restoration of 0.33 acre of riparian habitat as required by the Central Valley Regional Board.

Table 3: Compensatory Mitigation for Permanent Physical Loss of Area

Aquatic Resource Type	Comp Mitigation Type			Units		Established	Re-established	Rehabilitated	Enhanced	Preserved	Unknown
	In-Lieu	Mit. Bank	Permittee Responsible	AC (acres)	LF (linear feet)						
Riparian	--	--	X	0.33	--	--	--	X	--	--	--

Application Fee Provided: Total fees of $5,610.00 have been submitted to the Central Valley Water Board as required by § 3833(b)(3)(A) and § 2200(a)(3) of the California Code of Regulations.

DISTRIBUTION LIST

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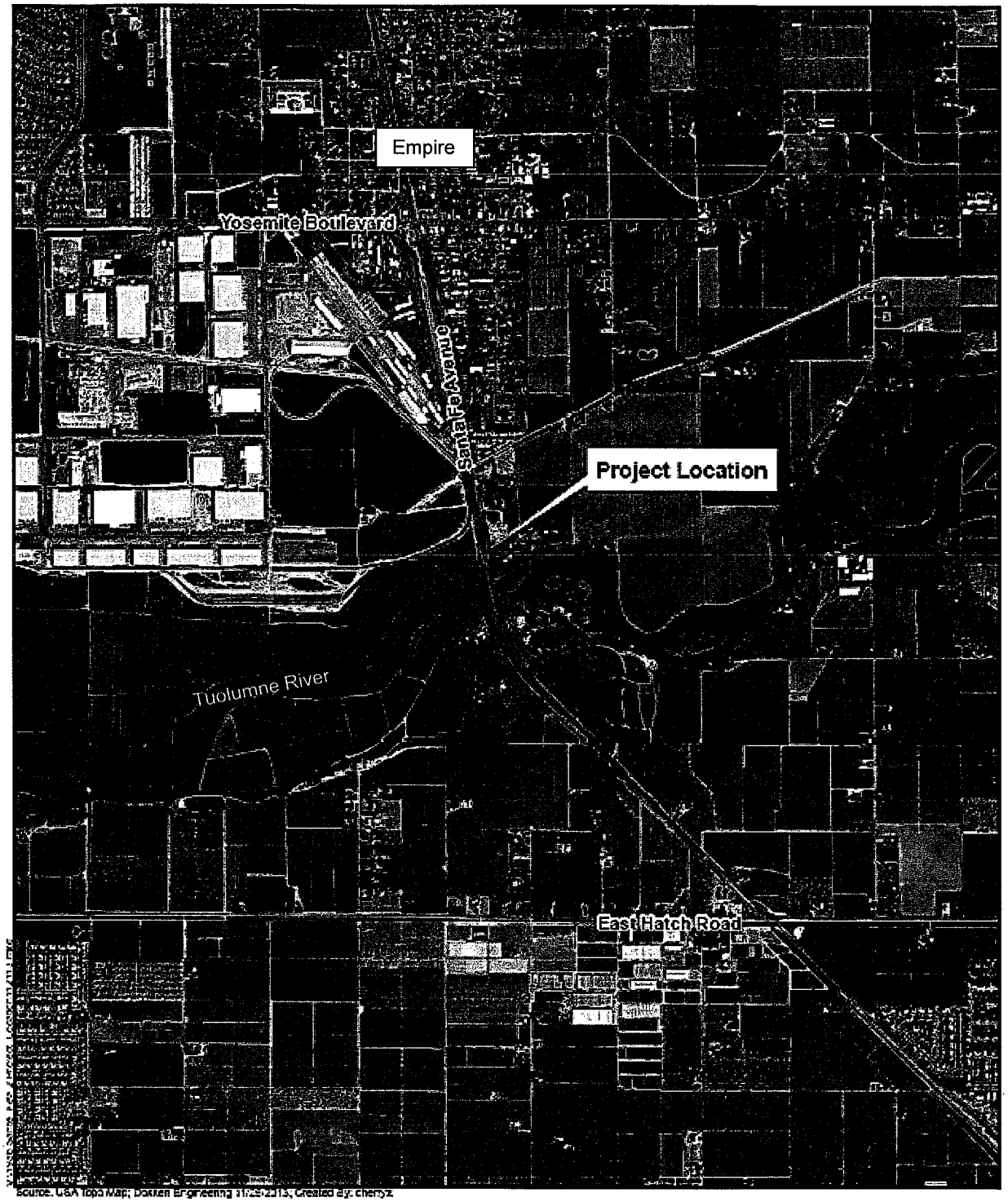

FIGURE 3
Project Location
Santa Fe Avenue Over Tuolumne River Bridge Replacement Project
Stanislaus County, California

Figure 1 – Project Location Map

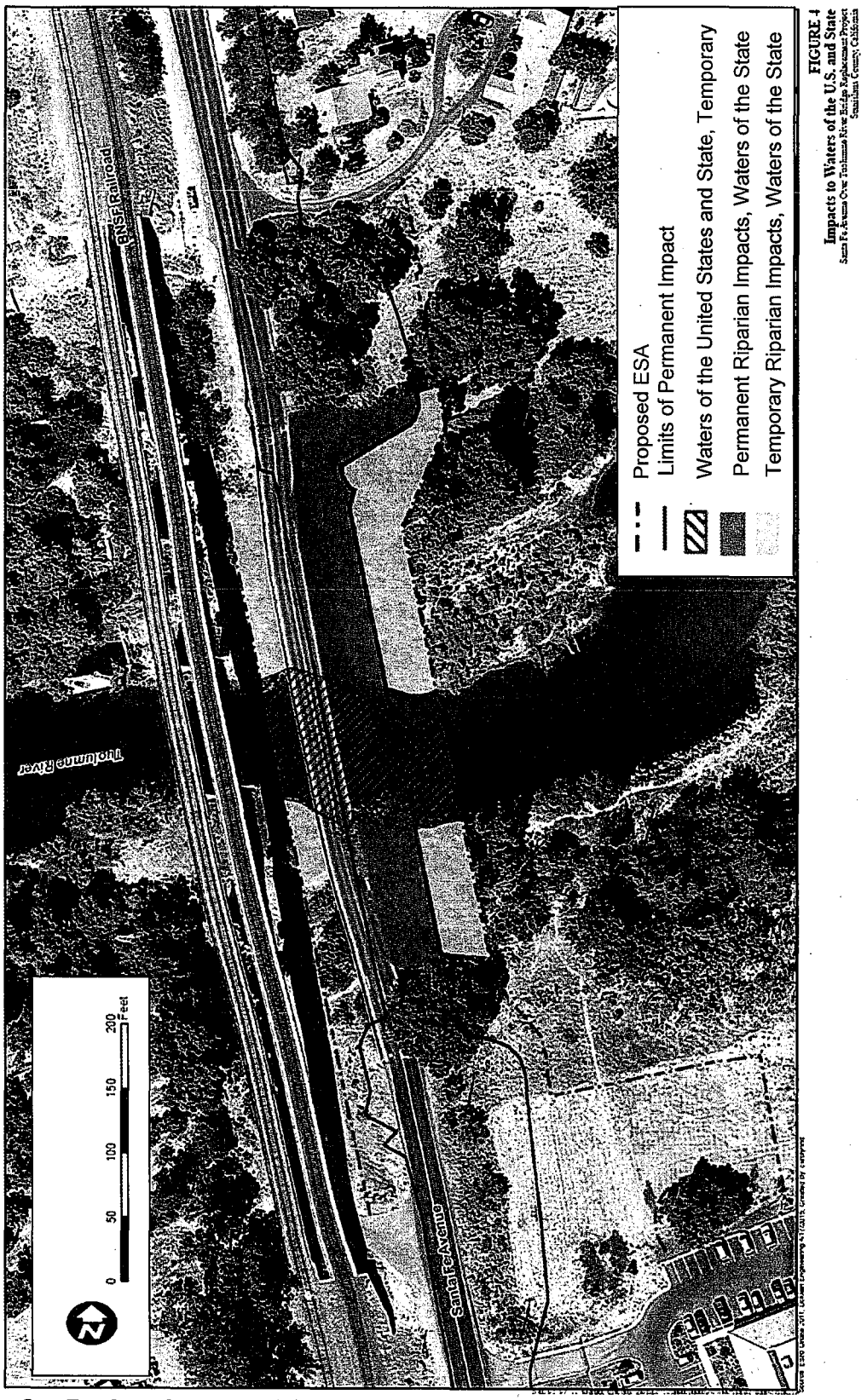

Figure 2 – Project Impacts Map

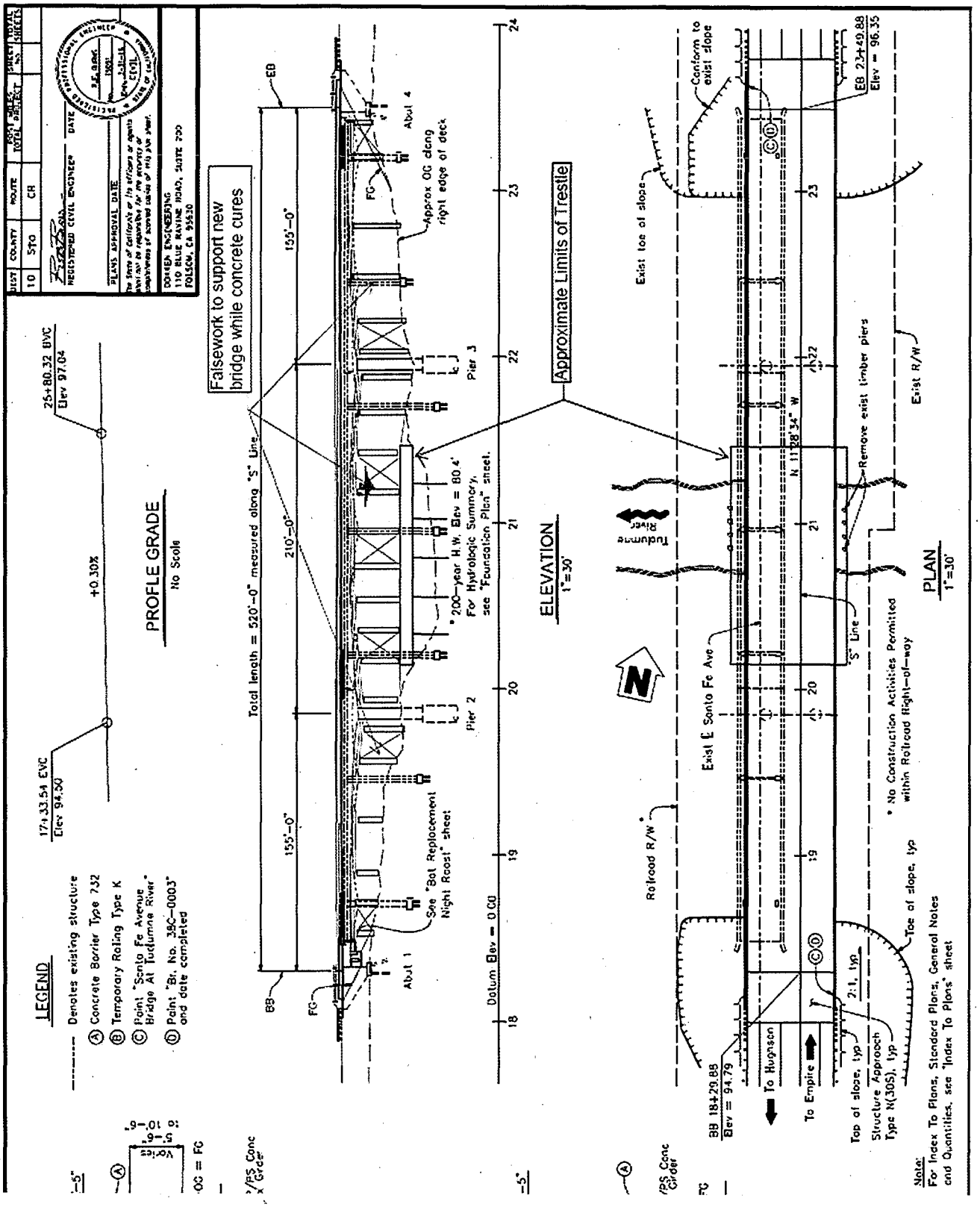

Figure 3 – Trestle and Falsework Design