



EDMUND G. BROWN JR.
GOVERNOR

MATTHEW RODRIGUEZ
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ENVIRONMENTAL PROTECTION

Central Valley Regional Water Quality Control Board

1 August 2016

Tracy Rideout
City of Vacaville, Public Works Department
650 Merchant Street
Vacaville, CA 95688

CERTIFIED MAIL
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CLEAN WATER ACT SECTION 401 TECHNICALLY CONDITIONED WATER QUALITY CERTIFICATION; CITY OF VACAVILLE, PUBLIC WORKS DEPARTMENT, JEPSON PARKWAY ROAD WIDENING PROJECT (WDID#5A48CR00131), SOLANO COUNTY

This Order responds to the 28 August 2015 application submitted by the City of Vacaville (Applicant) for the Water Quality Certification of the Jepson Parkway Road Widening Project (Project), permanently impacting 0.290 acre/441 linear feet and temporarily impacting 0.186 acre/246 linear feet of waters of the United States.

This Order serves as certification of the United States Army Corps of Engineers' Nationwide Permit #14 (SPK-1999-248540S) under Section 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 Section 13330 of the California Water Code and Section 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 Section 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 Section 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 This Certification is no longer valid if the Project (as described) is modified, or coverage under Section 404 of the Clean Water Act has expired.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.
2. Except for activities permitted by the United States Army Corps of Engineers under Section 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	—
Temperature	°F (or as °C)	Grab ⁽¹⁾	Every 4 hours during in-water work	(2, 4)
pH	Standard Units	Grab ⁽¹⁾	Every 4 hours during in-water work	(2, 4)
Dissolved Oxygen (DO)	mg/L & % saturation	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 April 2016 (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 and settleable matter 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 temperature in surface waters to increase more than 5°F above natural receiving water temperature for waters with designated COLD or WARM beneficial uses.
 - d) Activities shall not cause pH to be depressed below 6.5 nor raised above 8.5 in surface water.
 - e) Activities shall not cause dissolved oxygen to be reduced below 5.0 mg/L for waters designated with the WARM beneficial use, and 7.0 mg/L for waters designated with the COLD or SPWN beneficial uses, in surface water.
6. The Applicant shall notify the Central Valley Water Board immediately if the above criteria for turbidity, settleable matter, temperature, pH, dissolved oxygen, or other water quality objectives are exceeded.
7. In-water work shall occur during periods of low flow (i.e., water level is below the construction area) and no precipitation.

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. Raw cement, concrete (or washing thereof), asphalt, drilling fluids, lubricants, paints, coating material, oil, petroleum products, or any other substances which could be hazardous to fish and wildlife resulting from or disturbed by project-related activities, shall be prevented from contaminating the soil and/or entering waters of the United States.
12. Concrete must be completely cured before coming into contact with waters of the United States. 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.
13. A method of containment must be used below the bridge, boardwalk, and temporary crossing(s) to prevent debris from falling into the water body through the entire duration of the Project.
14. 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 through the entire duration of the Project.
15. The use of netting material (e.g., monofilament-based erosion blankets) that could trap aquatic dependent wildlife is prohibited within the Project area.
16. All areas disturbed by Project activities shall be protected from washout and erosion.
17. All temporarily affected areas shall be restored to pre-construction contours and conditions upon completion of construction activities.
18. Hydroseeding shall be performed with California native seed mix.
19. All materials resulting from the Project shall be removed from the site and disposed of properly.

20. If water is present, the area must be dewatered prior to the start of work.
21. If temporary surface water diversions and/or dewatering are anticipated, the Applicant shall develop and maintain on-site a Surface Water Diversion and/or Dewatering Plan(s). The Plan(s) must be developed prior to initiation of any water diversions. The Plan(s) shall include the proposed method and duration of diversion activities. The Plan(s) must be consistent with this Certification and must be made available to the Central Valley Water Board staff upon request.
22. 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.
23. 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.
24. 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.
25. 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 #14, the United States Fish and Wildlife Service decision document(s), or the California Department of Fish and Wildlife Streambed Alteration Agreement.
26. The Applicant shall comply with all California Department of Fish and Wildlife requirements, including those requirements described in Streambed Alteration Agreement No. 1600-2015-0298-R3.
27. The Applicant shall comply with all United States Fish and Wildlife Service requirements, including those requirements described in the Biological Opinion (8142-2008-F-1791-R035-1).
28. 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.

29. The Conditions in this Certification are based on the information in the attached "Project Information Sheet" and application package. If the actual project, as described in the attached Project Information Sheet and application package, is modified or changed, this Certification is no longer valid until amended by the Central Valley Water Board.
30. The Applicant shall implement each of the mitigation measures specified in the certified Environmental Impact Report for the Project, as they pertain to biology, hydrology and water quality impacts as required by Section 21081.6 of the Public Resource Code and Section 15097 of the California Code of Regulations.
31. 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.
32. To mitigate for the loss of 0.290 acre(s) of stream channel habitat, the Applicant shall purchase a minimum of 0.30 floodplain mosaic creation mitigation credits from the Cosumnes Floodplain Mitigation Bank, or as required by the United States Army Corps of Engineers and/or California Department of Fish and Wildlife for the impacted watershed 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 compliance with compensatory mitigation requirements includes providing a letter from the approved compensatory mitigation bank. The letter must: a) be on the Consumnes Floodplain Mitigation Bank's letterhead; b) be signed by an authorized representative of the Consumnes Floodplain Mitigation Bank; c) indicate the United States Army Corps of Engineers' SPK number (if applicable); d) describe the Project name and location; and e) detail the type of compensatory mitigation credits purchased for the Project's impacts.

NOTIFICATIONS AND REPORTS:

33. 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.
34. 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.

STORM WATER QUALITY CONDITIONS:

The Applicant shall also satisfy the following additional storm water quality conditions:

1. During the construction phase, the Applicant must employ strategies to minimize erosion and the introduction of pollutants into storm water runoff. These strategies must include the following:
 - (a) the Storm Water Pollution Prevention Plan must be prepared during the Project planning and design phases and implemented, as appropriate, before construction; and
 - (b) an effective combination of erosion and sediment control Best Management Practices (BMPs) must be implemented and adequately working prior to the rainy season and during all phases of construction.
2. The Applicant must minimize the short and long-term impacts on receiving water quality from the Project by implementing the following post-construction storm water management practices and as required by local agency permitting the Project, as appropriate:
 - (a) minimize the amount of impervious surface;
 - (b) reduce peak runoff flows;
 - (c) provide treatment BMPs to reduce pollutants in runoff;

- (d) ensure existing waters of the State (e.g., wetlands, vernal pools, or creeks) are not used as pollutant source controls and/or treatment controls;
 - (e) preserve and where possible, create or restore areas that provide important water quality benefits, such as riparian corridors, wetlands, and buffer zones;
 - (f) limit disturbances of natural water bodies and natural drainage systems caused by development (including development of roads, highways, and bridges);
 - (g) use existing drainage master plans or studies to ensure incorporation of structural and non-structural BMPs to mitigate the projected pollutant load increases in surface water runoff;
 - (h) identify and avoid development in areas that are particularly susceptible to erosion and sediment loss, or establish development guidance that protects areas from erosion/ sediment loss; and
 - (i) control post-development peak storm water run-off discharge rates and velocities to prevent or reduce downstream erosion, and to protect stream habitat.
3. The Applicant shall ensure that all development within the Project provides verification of maintenance provisions for post-construction structural and treatment control BMPs as required by the local agency permitting the Project. Verification shall include one or more of the following, as applicable:
- (a) the developer's signed statement accepting responsibility for maintenance until the maintenance responsibility is legally transferred to another party; or
 - (b) written conditions in the sales or lease agreement that require the recipient to assume responsibility for maintenance; or
 - (c) written text in Project conditions, covenants and restrictions for residential properties assigning maintenance responsibilities to a home owner's association, or other appropriate group, for maintenance of structural and treatment control BMPs; or
 - (d) any other legally enforceable agreement that assigns responsibility for storm water BMPs maintenance.

CENTRAL VALLEY WATER BOARD CONTACT:

Peter Minkel, Engineering Geologist
Central Valley Regional Water Quality Control Board
11020 Sun Center Drive, Suite 200
Rancho Cordova, CA 95670-8114
peter.minkel@waterboards.ca.gov
(916) 464-4684

CALIFORNIA ENVIRONMENTAL QUALITY ACT:

The Solano Transportation Authority is the Lead Agency responsible for compliance with the California Environmental Quality Act for the Jepson Parkway Road Widening Project pursuant to Section 21000 et seq. of the Public Resources Code. The Solano Transportation Authority certified the Environmental Impact Report on 19 March 2009. The Solano Transportation Authority filed a Notice of Determination with the State Clearinghouse on 19 March 2015 (SCH No 2000072051).

The Central Valley Water Board is a responsible agency for the project. The Central Valley Water Board has determined that the Environmental Impact Report 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 Environmental Impact Report. The mitigation measures discussed in the Environmental Impact Report to minimize project impacts to State waters are required by this Certification.

With regard to the remaining impacts identified in the Environmental Impact Report, 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 City of Vacaville, Public Works Department, Jepson Parkway Road Widening Project (WDID#5A48CR00131) will comply with the applicable provisions of Section 301 ("Effluent Limitations"), Section 302 ("Water Quality Related Effluent Limitations"), Section 303 ("Water Quality Standards and Implementation Plans"), Section 306 ("National Standards of Performance"), and Section 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, the City of Vacaville'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 April 2016.

Any person aggrieved by this action may petition the Regional Water Quality Control Board to review the action in accordance with California Water Code Section 13320 and California Code of Regulations, Title 23, Section 2050 and following. The Regional Water Quality Control Board must receive the petition by 5:00 p.m., 30 days after the date of this action, except that if the thirtieth day following the date of this action falls on a Saturday, Sunday, or state holiday, the petition must be received by the Regional Water Quality Control Board by 5:00 p.m. on the next business day. Copies of the law and regulations applicable to filing petitions may be found on the Internet at: http://www.waterboards.ca.gov/public_notices/petitions/water_quality or will be provided upon request.

Original Signed By Nichole Morgan for:

Pamela C. Creedon
Executive Officer

Enclosure: Project Information Sheet

Attachment: Figure 1 – Project Vicinity
Figure 2 – Project Overview
Figure 3 – Old Alamo Creek Crossing
Figure 4 – New Alamo Creek
Figure 5 – Unnamed drainage

cc: Distribution List, page 17

PROJECT INFORMATION SHEET

Application Date: 28 August 2015

Applicant: Tracy Rideout
City of Vacaville, Public Works Department
650 Merchant Street
Vacaville, CA 95688

Applicant Representative: Michelle Tovar
7600 Anice Street
Orangevale, CA 95662

Project Name: Jepson Parkway Road Widening Project

Application Number: WDID#5A48CR00131

Date on Public Notice: 28 August 2015

Date Application Deemed Complete: 7 October 2015

Type of Project: Transportation – Roads and Highways

Approved Months of Project Implementation:

The Project will be constructed 15 June through 15 October, or as otherwise required by the Department of Fish and Wildlife.

Project Location: Section 2, 24, 25, 35, &36, Township 6 North, Range 1 West, MDB&M.

Start: Latitude: 38°21'10.9"N and Longitude: 121°56'2.544" W

End: Latitude: 38°18'54.6"N and Longitude: 121°56'34.9" W

County: Solano County

Receiving Water(s) (hydrologic unit): Old Alamo Creek, New Alamo Creek, and unnamed drainage ditch draining to Barker Slough, Sacramento Hydrologic Basin, Valley Putah-Cache Hydrologic Unit, #511.10, Elmira HA

Water Body Type: Streambed

Designated Beneficial Uses: The *Water Quality Control Plan for the Sacramento River and San Joaquin River Basins*, Fourth Edition, revised April 2016 (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: Old Alamo Creek, New Alamo Creek, and the unnamed drainage ditch draining to Barker Slough are the receiving waters for the Jepson Parkway Road Widening Project. Old Alamo Creek, New Alamo Creek, and the unnamed tributary to Barker Slough are not listed on the 303(d) list. The most recent list of approved water quality limited segments is found at:

http://www.waterboards.ca.gov/water_issues/programs/tmdl/integrated2012.shtml

Project Description: The Jepson Parkway Road Widening Project (Project) starts at the intersection of Leisure Town Road and Elmira Road in the City of Vacaville and ends at Vanden Road (see Figure 1). The Project consists of widening the three-mile segment from two lanes to four lanes and includes a roundabout, a sixteen-foot median landscape area, a ten-foot pedestrian walkway/bike path on the west side of parkway, curbs, gutters, culvert abandonment and extension, and bridge expansion.

CULVERTS

An existing 7-foot wide by 5-foot high box culvert for Old Alamo Creek under Leisure Town Road will be extended by approximately 284 feet (see Figures 2 and 3). The stream channel will be cleared of vegetation, ripped 12-inches below the existing grade, and 1,550 cubic yards of native soil material removed for the lane widening portion of the project will be placed in the channel to support the culvert expansion. The new outfall area will be faced with 26 cubic yards of riprap to allow transition from the culvert to the natural stream channel.

South of New Alamo Creek, three existing 36-inch diameter culverts that allow water from an unnamed drainage ditch to flow underneath Leisure Town Road into a large retention basin will be abandoned. The three culverts will be capped and filled with concrete and abandoned in-place. A new 42-inch diameter culvert will be installed across Leisure Town Road to replace the existing culvert (Figure 5). A new 127-foot channel, located 200 feet south of the abandoned culverts will be excavated. This new channel will connect the new 42-inch diameter culvert to the existing retention basin. If water is present, coffer dams will be used to divert flows around the construction. Culvert work will permanently impact 0.285 acre and temporarily impact 0.072 acre of waters of the United States.

BRIDGE

Construction of a new 104-foot long, single column, cast-in-place concrete, four-lane bridge over New Alamo Creek will occur when there is no flow or minimal flow in the creek. During construction of the new bridge, traffic will continue to use the existing bridge. The western two lanes of the new bridge will be constructed adjacent to the old bridge. When the west bound lanes are complete, traffic will be diverted to the new section while the existing bridge is dismantled. Equipment will be placed within the creek bed or at the top of the channel bank to dismantle the existing bridge. Construction debris will be hauled off site and disposed of at a facility accepting concrete rubble. Bridge work will take place on scaffolding falsework installed

on timber mats within the creek bed or suspended above the creek bed. The scaffolding will be removed prior to the wet season once the abutments are installed.

Construction of the new bridge will require removal of all existing rock slope protection along the channel and bank. The original riprap will be reused and supplemented with clean riprap in the channel and bank to match the original grade. The new bridge will require excavating 379 cubic yards of native soil to accommodate placement of 76 cubic yards of concrete. The channel will be backfilled with 111 cubic yards of native soil and 230 cubic yards of clean riprap to match the original grade of the channel. Bridge work will permanently impact 0.005 acre and temporarily impact 0.114 acre of waters of the United States.

Other portions of the Project will not impact waters of the United States. Construction for the project will occur in the summer months when the creeks are dry. If water is present at time of construction, wet concrete will be placed into Old and New Alamo Creeks in dry conditions by rerouting the creek with a cofferdam and pipe system. The Project will permanently impact 0.290 acre/441 linear feet and temporarily impact 0.186 acre/301 linear feet of waters of the United States. Other portions of the project will not impact waters of the United States.

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

Proposed Mitigation to Address Concerns: The Applicant will implement Best Management Practices to control sedimentation and erosion. The Applicant will conduct turbidity, settleable matter, temperature, pH, and dissolved oxygen 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 379 cubic yards of native soil will be excavated. Approximately 1,661 cubic yards of native soil, 220 cubic yards of clean riprap, and 76 cubic yards of concrete will be placed 0.290 acre of waters of the United States.

Dredge Volume: None

California Integrated Water Quality System Impact Data: The Project will permanently impact 0.290 acre/441 linear feet of stream bed habitat and temporarily impact 0.186 acre/301 linear feet of stream bed habitat from excavation and fill activities.

Table 2: Impacts from Excavation and Fill 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
Stream Channel	0.186	--	301	0.290	--	441	--	--	--

United States Army Corps of Engineers File Number: SPK-1999-248540S

United States Army Corps of Engineers Permit Type: Nationwide Permit #14

California Department of Fish and Wildlife Lake or Streambed Alteration Agreement:
 1600-2015-0298-R3

Possible Listed Species:

Vernal pool fairy shrimp, Vernal pool tadpole shrimp, Western pond turtle, Steelhead trout, Swainson's hawk, Burrowing owl, California tiger salamander, Contra Costa goldfields, and Valley elderberry longhorn beetle.

Status of CEQA Compliance: The Solano Transportation Authority certified an Environmental Impact Report on 19 March 2009. The Solano Transportation Authority filed a Notice of Determination with the State Clearinghouse on 19 March 2009 (SCH No. 2000072051).

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: As required by the California Department of Fish and Wildlife, the Applicant will purchase 0.30 floodplain mosaic creation mitigation credits from the Cosumnes Floodplain Mitigation Bank to mitigate for 0.30 acre of impacts to waters of the United States.

Evidence of this purchase shall be provided to the Central Valley Water Board prior to proceeding with the activity authorized by this Certification.

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)						
Stream Channel	--	0.30	--	x	--	--	--	--	--	--	--
TOTAL	--	0.30	--	x	--	--	--	--	--	--	--

Application Fee Provided: Total fees of \$5,954.00 have been submitted to the Central Valley Water Board as required by Section 3833(b)(3)(A) and Section 2200(a)(3) of the California Code of Regulations.

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Notification of Lake or Streambed Alteration

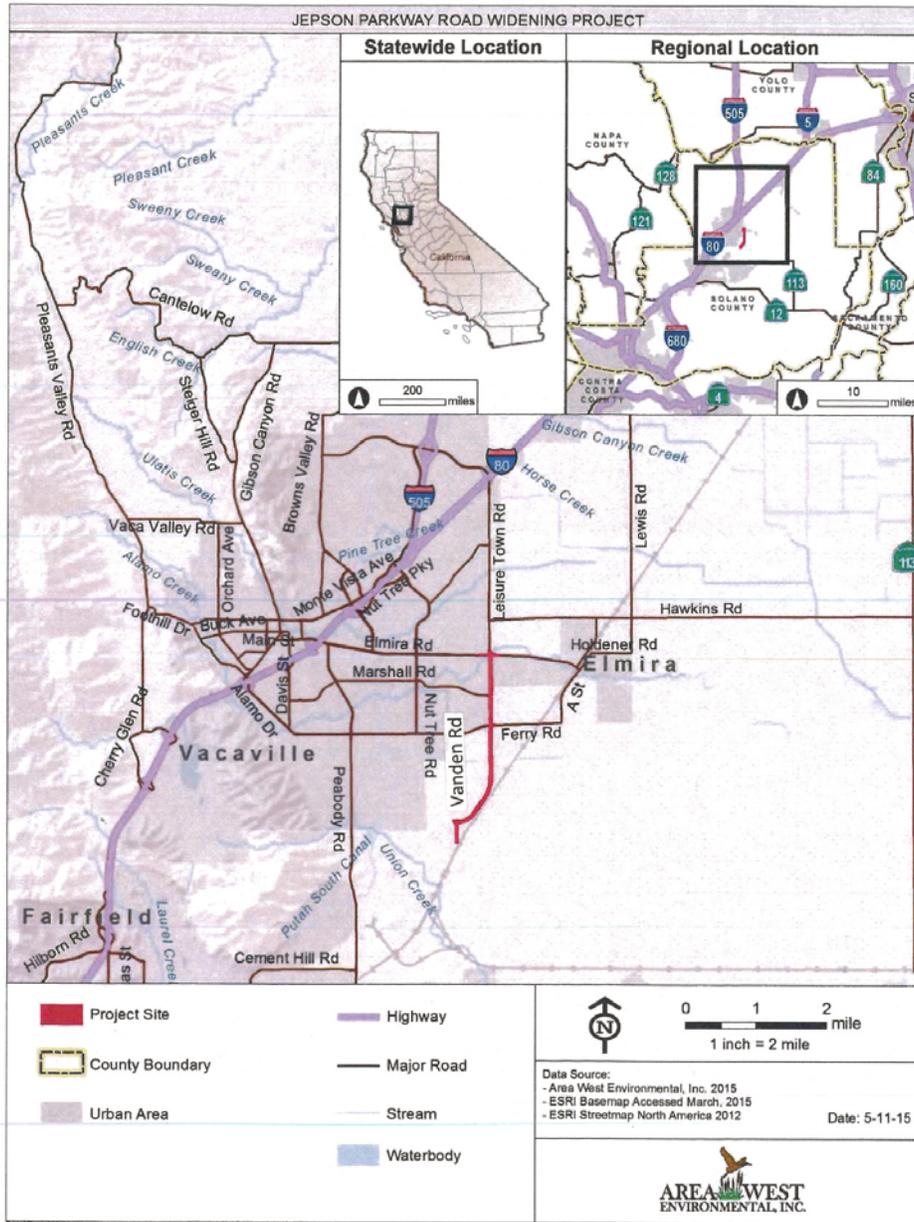


Figure 1. Project Vicinity

Figure 1 – Project Vicinity Map

Nationwide Permit 14 PCN Responses

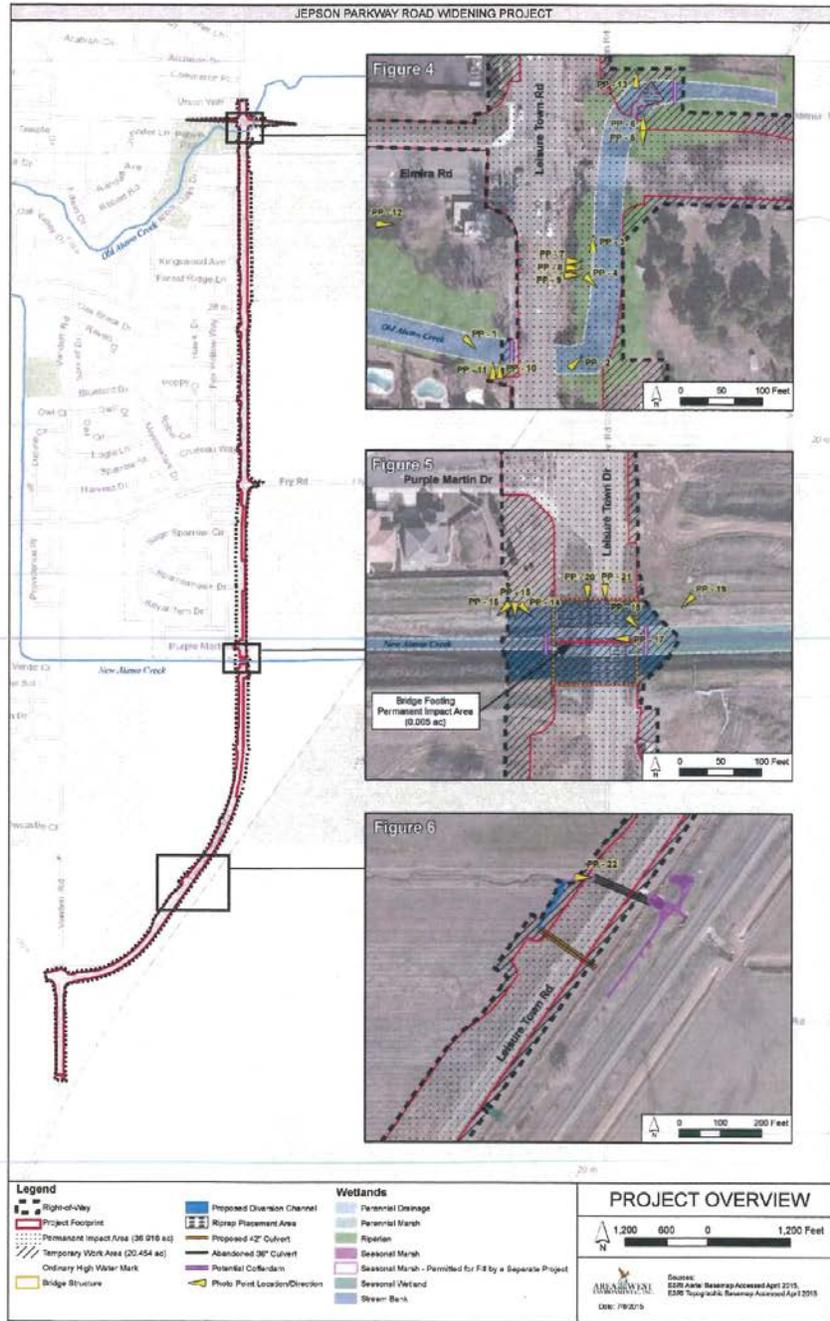


Figure 2. Project Overview

Jepson Parkway Road Widening Project

Figure 2 – Project Location Map

Nationwide Permit 14 PCN Responses



Figure 3. Old Alamo Creek Crossing

Jepson Parkway Road Widening Project

Figure 3 – Old Alamo Creek Crossing

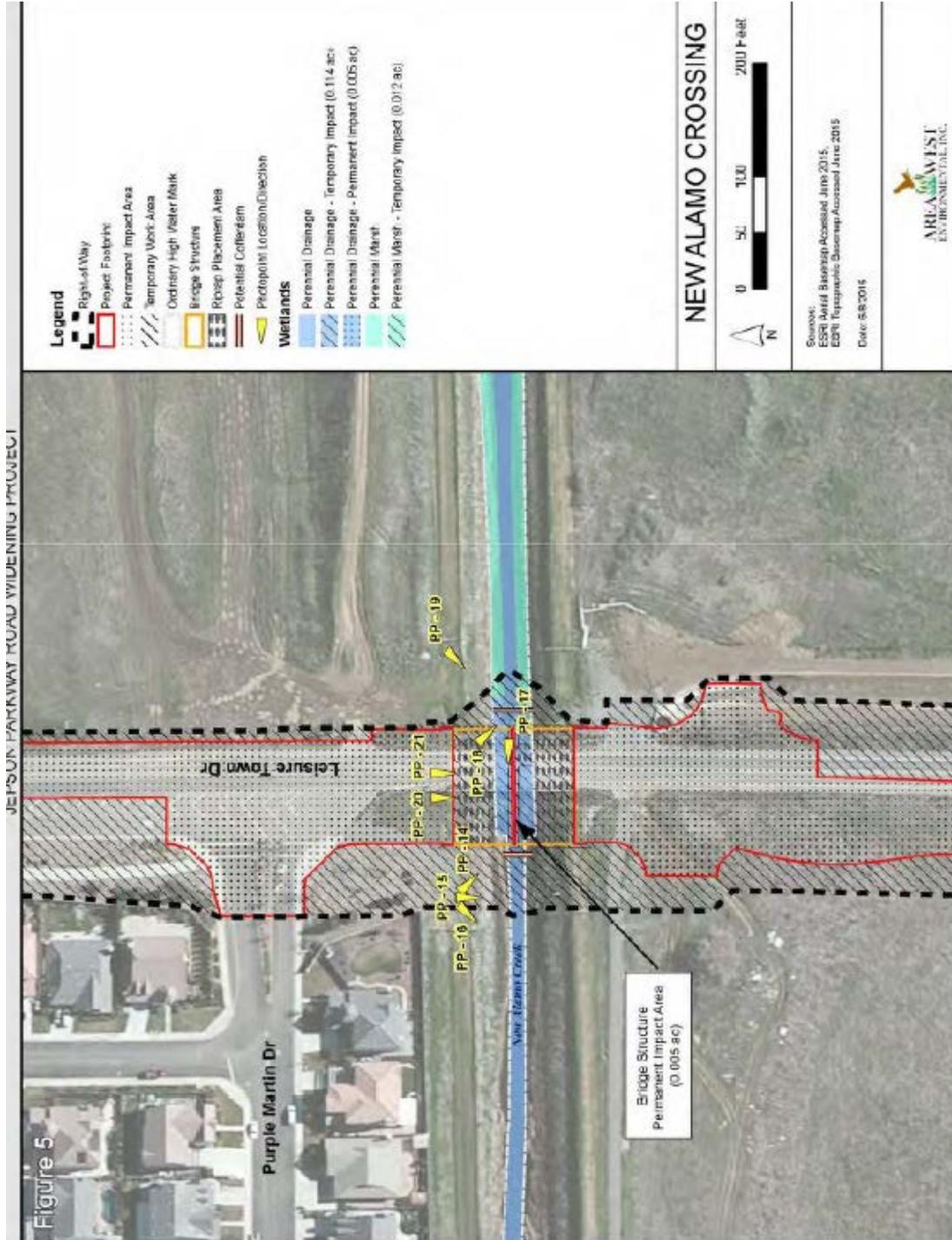


Figure 4 – New Alamo Creek

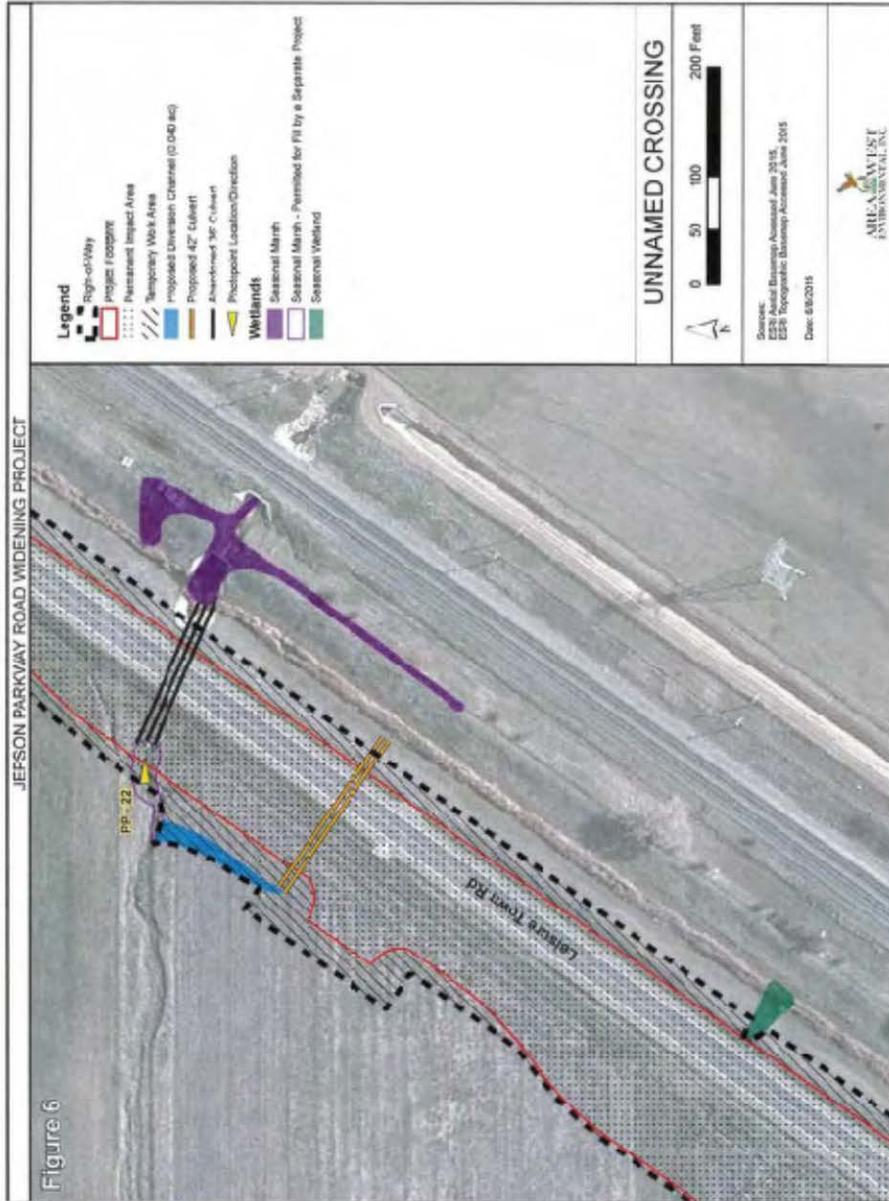


Figure 6. Unnamed Drainage

Figure 5 – Unnamed Drainage