



**YOLO COUNTY PARKS AND RESOURCES
DEPARTMENT**

**INITIAL STUDY/ MITIGATED NEGATIVE DECLARATION
CACHE CREEK BRIDGE CONSTRUCTION PROJECT**

September 24, 2009

Mitigated Negative Declaration / Initial Environmental Study

1. **Project Title:** Cache Creek Bridge Construction Project
2. **Lead Agency Name and Address:**
Yolo County Parks and Resources Department
120 West Main Street, Suite C
Woodland, CA 95695
3. **Contact Person and Phone Number:** Scott Lines, Parks Division Manager, at (530) 406-4883 or scott.lines@yolocounty.org
4. **Project Location:** The project site is located approximately 5 miles north of the town of Rumsey on State Highway 16 containing all real property on northwest quarter of Section 9, Township 12 North, Range 4 West, Mount Diablo Meridian (APN:018-270-04). (See Figure 1, Vicinity Map.)
5. **Project Sponsor's Name and Address:** (Same as lead agency)
6. **General Plan Designation(s):** OS (Open Space)
7. **Zoning:** OS (Open Space)

Description of the Project: The project involves constructing a new bridge over Cache Creek and removing the existing low-water bridge. The new bridge will be in a new alignment so that the bridge will be above the 100-year flood zone, and so that rafters and kayakers using the creek can float downstream without having to portage around the bridge. This project is necessary because the low-water bridge has deteriorated so that it is no longer available to vehicular traffic. Removal of the low-water bridge is necessitated by significant undermining of the substructure and potential for collapse.

8. **Surrounding Land Uses and Setting:** The project is located in Cache Creek Canyon Regional Park as part of an internal park road. The property is surrounded on all sides by public lands. The new bridge will connect to an existing internal park road within the property. The current park road is adjacent to State Highway 16 to the east and connects to Bureau of Land Management property to the west. The surrounding public lands are, and have been, used for recreation activities such as hiking; hunting; mountain biking; camping; horseback riding; and fishing.

Direction from Project	Existing Use	Zoning	General Plan
Project Site	Recreation and Open Space (Cache Creek Canyon Regional Park)	Open Space	Open Space
North	Recreation and Open Space (Cache Creek Canyon Regional Park)	Open Space	Open Space
South	Recreation and Open Space (Cache Creek Canyon Regional Park)	Open Space	Open Space
East	Recreation and Open Space (State Highway 16)		State Lands (DFG)
West	Recreation and Open Space		Federal Lands (BLM)

- 9. Other public agencies whose approval is required:** Department of Fish and Game; Regional Water Quality Control Board; Bureau of Land Management; Army Corp of Engineers.
- 10. Other Project Assumptions:** The Initial Study assumes compliance with all applicable State, Federal, and Local Codes and Regulations including, but not limited to, County of Yolo Improvement Standards, the California Building Code, the State Health and Safety Code, and the State Public Resources Code.

ENVIRONMENTAL FACTORS POTENTIALLY AFFECTED:

The environmental factors checked below would be potentially affected by this project, involving at least one impact that is a "Potentially Significant Impact" as indicated by the checklist on the following pages.

- | | | |
|--|---|---|
| <input checked="" type="checkbox"/> Aesthetics | <input type="checkbox"/> Agricultural Resources | <input type="checkbox"/> Air Quality |
| <input type="checkbox"/> Biological Resources | <input type="checkbox"/> Cultural Resources | <input type="checkbox"/> Geology / Soils |
| <input type="checkbox"/> Hazards & Hazardous Materials | <input checked="" type="checkbox"/> Hydrology / Water Quality | <input type="checkbox"/> Land Use / Planning |
| <input type="checkbox"/> Mineral Resources | <input type="checkbox"/> Noise | <input type="checkbox"/> Population / Housing |
| <input type="checkbox"/> Public Services | <input type="checkbox"/> Recreation | <input type="checkbox"/> Transportation / Traffic |
| <input type="checkbox"/> Utilities / Service Systems | <input type="checkbox"/> Mandatory Findings of Significance | |

DETERMINATION: (To be completed by the Lead Agency)

On the basis of this initial evaluation:

- I find that the proposed project **COULD NOT** have a significant effect on the environment, and a **NEGATIVE DECLARATION** will be prepared.
- I find that although the proposed project could have a significant effect on the environment, there will not be a significant effect in this case because revisions in the project have been made by or agreed to by the project proponent. A **MITIGATED NEGATIVE DECLARATION** will be prepared.
- I find that the proposed project **MAY** have a significant effect on the environment, and an **ENVIRONMENTAL IMPACT REPORT** is required.
- I find that the proposed project **MAY** have a “potentially significant impact” or “potentially significant unless mitigated” impact on the environment, but at least one effect 1) has been adequately analyzed in an earlier document pursuant to applicable legal standards, and 2) has been addressed by mitigation measures based on the earlier analysis as described on attached sheets. An **ENVIRONMENTAL IMPACT REPORT** is required, but it must analyze only the effects that remain to be addressed.
- I find that although the proposed project could have a significant effect on the environment, because all potentially significant effects (a) have been analyzed adequately in an earlier EIR or **NEGATIVE DECLARATION** pursuant to applicable standards, and (b) have been avoided or mitigated pursuant to the earlier EIR or **NEGATIVE DECLARATION**, including revisions or mitigation measures that are imposed upon the proposed project, nothing further is required.

Scott Lines

Planner’s Signature

Date

Planner’s Printed name

PURPOSE OF THIS INITIAL STUDY

This Initial Study has been prepared consistent with CEQA Guidelines Section 15063, to determine if the project as described herein may have a significant effect upon the environment.

EVALUATION OF ENVIRONMENTAL IMPACTS

1. A brief explanation is required for all answers except “No Impact” answers that are adequately supported by the information sources a lead agency cites in the parentheses following each question. A “No Impact” answer is adequately supported if the referenced information sources show that the impact simply does not apply to projects like the one involved (e.g. the project falls outside a fault rupture zone). A “No Impact” answer should be explained where it is based on project-specific factors as well as general standards (e.g., the project will not expose sensitive receptors to pollutants, based on a project-specific screening analysis).

2. All answers must take account of the whole action involved, including off-site as well as on-site, cumulative as well as project-level, indirect as well as direct, and construction as well as operational impacts.
3. Once the lead agency has determined that a particular physical impact may occur, then the checklist answers must indicate whether the impact is potentially significant, less than significant with mitigation, or less than significant. "Potentially Significant Impact" is appropriate if there is substantial evidence that an effect is significant. If there are one or more "Potentially Significant Impact" entries when the determination is made, an EIR is required.
4. "Negative Declaration: Less Than Significant With Mitigation Incorporated" applies where the incorporation of mitigation measures has reduced an effect from "Potentially Significant Impact" to a "Less Than Significant Impact." The lead agency must describe the mitigation measures, and briefly explain how they reduce the effect to a less than significant level (mitigation measures from Section XVII, "Earlier Analyses," may be cross-referenced).
5. A determination that a "Less Than Significant Impact" would occur is appropriate when the project could create some identifiable impact, but the impact would be less than the threshold set by a performance standard or adopted policy. The initial study should describe the impact and state why it is found to be "less than significant."
6. Earlier analyses may be used where, pursuant to the tiering, program EIR, or other CEQA process, an effect has been adequately analyzed in an earlier EIR or negative declaration, pursuant to Section 15063 (c)(3)(D) of the California Government Code. Earlier analyses are discussed in Section XVII at the end of the checklist.
7. Lead agencies are encouraged to incorporate into the checklist references to information sources for potential impacts (e.g. general plans, zoning ordinances). Reference to a previously prepared or outside document should, where appropriate, include a reference to the page or pages where the statement is substantiated.
8. Supporting Information Sources: A source list should be attached, and other sources used or individuals contacted should be cited in the discussion.

I. AESTHETICS

Would the project:	Potentially Significant Impact	Less Than Significant With Mitigation Incorporated	Less Than Significant Impact	No Impact
a) Have a substantial adverse effect on a scenic vista?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
b) Substantially damage scenic resources, including, but not limited to, trees, rock outcroppings, and historic buildings within a state scenic highway?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c) Substantially degrade the existing visual character or quality of the site and its surroundings?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
d) Create a new source of substantial light or glare which would adversely affect day or nighttime views in the area?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

Discussion of Impacts

- (a) *No Impact.* The proposed project will not adversely affect scenic vistas. The alignment of the proposed bridge is significantly below the elevation of State Highway 16, so the bridge is not likely to be visible as cars pass above on the highway.

- b) *Less than Significant with Mitigation Incorporated.* The alignment of the proposed bridge is significantly below the elevation of State Highway 16, so the bridge is not likely to be visible as cars pass above on the highway. Construction will necessitate the removal of one, maybe two, small trees and a few creek-side boulders.
- c) *Less than Significant Impact.* The bridge will be clearly visible as vehicles approach the bridge on Rayhouse Rd., but should only be slightly more visually apparent than the existing low-water bridge and its approaches. Also, this one-lane bridge will be less visually impactful to people using the creek than the existing low-water bridge that is crumbling and located in the creek.
- d) *No Impact.* The project would not provide additional light and glare to the site. Lighting is not planned for this bridge.

Mitigation Measures

- b) Trees will be planted at a ratio of no less than 3 to 1 to replace any trees that are disturbed from this project. Any boulders impacted by the project will be moved and remain on-site in an area near the bridge.

II. AGRICULTURAL RESOURCES:

In determining whether impacts to agricultural resources are significant environmental effects, lead agencies may refer to the California Agricultural Land Evaluation and Site assessment Model (1997) prepared by the California Department of Conservation as an optional model to use in assessing impacts on agriculture and farmland. Would the project:

	Potentially Significant Impact	Less Than Significant With Mitigation Incorporated	Less Than Significant Impact	No Impact
(a) Convert Prime Farmland, Unique Farmland, or Farmland of Statewide Importance, as shown on the maps prepared pursuant to the Farmland Mapping and Monitoring Program of the California Resources Agency, to non-agricultural use?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
(b) Conflict with existing zoning for agricultural use or a Williamson Act contract?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
(c) Involve other changes in the existing environment which due to their location or nature, could result in conversion of farmland, to non-agricultural use?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

Discussion of Impacts

(a)(b)(c) *No Impact.* The proposed project would not result in the conversion of any agricultural land uses. The project is not located in an agricultural zone.

III. AIR QUALITY:

Where applicable, the significance criteria established by the applicable air quality management or air pollution control district may be relied upon to make the following determinations. Would the project:

	Potentially Significant Impact	Less Than Significant With Mitigation Incorporated	Less Than Significant Impact	No Impact
a) Conflict with or obstruct implementation of the applicable air quality plan?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
b) Violate any air quality standard or contribute substantially to an existing or projected air quality violation?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
c) Result in a cumulatively considerable net increase of any criteria pollutant for which the project region is non-attainment under an applicable federal or state ambient air quality standard (including releasing emissions which exceed quantitative thresholds for ozone precursors)?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
d) Expose sensitive receptors to substantial pollutant concentrations?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
e) Create objectionable odors affecting a substantial number of people?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

Discussion of Impacts

- a) *No Impact.* The project would not substantially conflict with or obstruct implementation of the Sacramento Regional Nonattainment Area 8-Hour Ozone Rate-Of-Progress Plan (2006), YSAQMD recommendations, or the goals and objectives of the County's General Plan.
- b) *Less than Significant Impact.* The Yolo-Solano Region is a non-attainment area for particulate matter (PM₁₀) and ozone standards. The project may contribute to air quality impacts, including PM₁₀, during construction of the bridge. However, construction activities, such as grading activities and vehicular traffic, would generate a temporary or short-term increase in PM₁₀. This impact is considered less than significant because construction dust and equipment emissions would only be generated for short periods of time. There are no residences in the area so there will be no long-term exposure to potentially affected groups. Thresholds for project-related air pollutant emissions would not exceed significant levels as set forth in the 2007 YSAQMD Guidelines.
- c) *Less than Significant Impact.* Effects on air quality can be divided into short-term construction-related effects and those associated with long-term aspects of the project. Short-term construction impacts are addressed in (b) above. Long-term mobile source emissions from vehicular traffic from visitor usage would not be expected to exceed thresholds established by the Yolo-Solano Air Quality Management District Guidelines (2007) and would not be cumulatively considerable for any non-attainment pollutant from the project. Because this is a bridge replacement project consisting of a one-lane bridge being replaced by a one-lane bridge the amount of vehicular traffic in the area is not expected to increase. Therefore, the proposed project would not result in a cumulatively considerable net increase of any criteria pollutant.
- d) *No Impact.* There are no known sensitive receptors in the project vicinity; therefore the project would not expose sensitive receptors to substantial pollutant concentrations.
- e) *No Impact.* The proposed project and associated uses would not create objectionable odors.

IV. BIOLOGICAL RESOURCES

Would the project:	Potentially Significant Impact	Less Than Significant With Mitigation Incorporated	Less Than Significant Impact	No Impact
a) Have a substantial adverse effect, either directly or through habitat modifications, on any species identified as a candidate, sensitive, or special status in local or regional plans, policies, or regulations, or by the California Department of Fish and Game or U.S. Fish and Wildlife Service?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
b) Have a substantial adverse effect on any riparian habitat or sensitive natural community identified in local or regional plans, policies, or regulations, or by the California Department of Fish and Game or U.S. Fish and Wildlife Service?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
c) Have a substantial adverse effect on federally protected wetlands as defined by Section 404 of the Clean Water Act (including, but not limited to, marsh, vernal pool, coastal, etc.) through direct removal, filling, hydrological interruption, or other means?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
d) Interfere substantially with the movement of any native resident or migratory fish or wildlife species or with established native residents or migratory wildlife corridors or impede the use of native wildlife nursery sites?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
e) Conflict with any local policies or ordinances protecting biological resources, such as a tree preservation policy or ordinance?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
f) Conflict with the provisions of an adopted Habitat Conservation Plan, Natural Community Conservation Plan, or other approved local, regional, or state habitat conservation plan?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

Discussion of Impacts

(a)(b) *Less than Significant Impact.* Any impact to the park’s habitat communities will be temporary and result from construction of the new Cache Creek Bridge and removal of the low-water bridge. Although some disturbance to native vegetation is inevitable during construction, the alignment of the bridge has been chosen to have minimal impact on the biological resources. Also, there are no state or federal listed species that will be negatively impacted by this project.

(c) *No Impact.* There is no wetland habitat in the vicinity of this project.

(d) *No Impact.* The proposed project will not interfere with any resident or migratory species. In fact, removal of the low-water bridge will significantly improve the ability of any migratory or native resident fish to move within Cache Creek. The low-water bridge sits within the creek and acts as a partial obstruction to fish movement.

(e)(f) *No Impact.* Nothing within the scope of this project conflicts with any local policies or ordinances; provisions of any adopted Habitat Conservation Plan (HCP), Natural Community Conservation Plan (NCCP); or other approved local, regional, or state habitat conservation plan.

V. CULTURAL RESOURCES

Would the project:	Potentially Significant Impact	Less Than Significant With Mitigation Incorporated	Less Than Significant Impact	No Impact
a) Cause a substantial adverse change in the significance of a historical resource as defined in §15064.5?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
b) Cause a substantial adverse change in the significance of an archaeological resource pursuant to §15064.5?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
c) Directly or indirectly destroy a unique paleontological resource or site or unique geologic feature?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
d) Disturb any human remains, including those interred outside of formal cemeteries?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Discussion of Impacts

(a)(b)(c) *No Impact.* The proposed project would not adversely affect any known significant historical, archaeological, or paleontological resources. As part of the environmental clearance for this project a National Environmental Protection Act (NEPA) Environmental Assessment was completed by the Bureau of Land Management Ukiah Field Office. As part the environmental review process the local Rumsey Band of Wintun Indians were consulted to determine if they have any concerns that this project will impact Native American or resources of historical significance. The tribe has indicated there are no known resources likely to be impacted by this project.

(d) *Less than Significant Impact:* No human remains or burial sites have been identified in the project area. However, the potential exists during construction to uncover previously unidentified resources. The County will incorporate the following requirements into the construction specifications: Section 7050.5 of the California Health and Safety Code states that when human remains are discovered, no further site disturbance shall occur until the county coroner has determined that the remains are not subject to the provisions of Section 27491 of the Government Code or any other related provisions of law concerning investigation of the circumstances, manner and cause of any death, and the recommendations concerning the treatment and disposition of the human remains have been made to the person responsible for the excavation, in the manner provided in Section 5097.98 of the Public Resources Code. If the coroner determines that the remains are not subject to his or her authority and the remains are recognized of be those from a Native American, the coroner shall contact the Native American Heritage Commission within 24 hours.

VI. GEOLOGY AND SOILS

Would the project:	Potentially Significant Impact	Less Than Significant With Mitigation Incorporated	Less Than Significant Impact	No Impact
a) Expose people or structures to potential substantial adverse effects, including the risk of loss, injury, or death involving:	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
i) Rupture of a known earthquake fault, as delineated on the most recent Alquist-Priolo Earthquake Fault Zoning Map issued by the State Geologist for the area or based on other substantial evidence of a known Fault? Refer to Division of Mines and Geology Special Publication 42.				
ii) Strong seismic ground shaking?				
iii) Seismic-related ground failure, including liquefaction?				
iv) Landslides?				
b) Result in substantial soil erosion or the loss of topsoil?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
c) Be located on a geologic unit or soil that is unstable or that would become unstable as a result of the project, and potentially result in on- or off-site landslide, lateral spreading, subsidence, liquefaction or collapse?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
d) Be located on expansive soil, as defined in Table 18-1-B of the Uniform Building Code (1994), creating substantial risks to life or property?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
e) Have soils incapable of adequately supporting the use of septic tanks or alternative wastewater disposal systems where sewers are not available for the disposal of wastewater?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

Discussion of Impacts

- a) *Less than Significant Impact.* (i) This project is not likely to expose people or structures to substantial adverse effects from an earthquake. The Alquist-Priolo Earthquake Fault Zoning Map shows that this project is not located on an earthquake fault and not subject to surface rupture. This project will be built using the local seismic design and construction criteria found in the Uniform Building Code. (ii) According to the National Earthquake Information Center (NEIC) at the United States Geologic Survey (USGS), since 1885 the strongest earthquake recorded in the vicinity of Cache Creek Canyon was a magnitude 4.9 temblor on 9/19/92 (<http://neic.usgs.gov>). According to the California Geologic Survey (CGS), Cache Creek Canyon has a moderately-low likelihood of experiencing ground shaking (<http://www.consrv.ca.gov/cgs/rghm/psha/Documents/shaking.pdf>). (iii) The bridge abutments will be built on the existing bedrock, which is not susceptible to ground failure or liquefaction. (iv) Any potential for landslides in the project area will not be increased by the construction of this bridge. The planned “armoring” around the base of the bridge abutments may act as a deterrent to landslides.
- b) *No Impact.* The bridge project will not lead to soil erosion or the loss of topsoil. Changes in topography, landslides, or unstable soil conditions from earthquakes are unlikely to occur.
- c) *Less than Significant Impact.* The bridge abutments will be built on the existing bedrock, which is not susceptible to ground failure or liquefaction.
- d) *No Impact.* The project is to be built on bedrock, which is not considered an expansive soil.
- e) *No Impact.* No septic tanks or wastewater systems are proposed for the project.

VII. HAZARDS AND HAZARDOUS MATERIALS

Would the project:	Potentially Significant Impact	Less Than Significant With Mitigation Incorporated	Less Than Significant Impact	No Impact
a) Create a significant hazard to the public or the environment through the routine transport, use, or disposal of hazardous materials?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
b) Create a significant hazard to the public or the environment through reasonably foreseeable upset and accident conditions involving the release of hazardous materials into the environment?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
c) Emit hazardous emissions or handle hazardous or acutely hazardous materials, substances, or waste within one-quarter mile of an existing or proposed school?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
d) Be located on a site which is included on a list of hazardous materials sites compiled pursuant to Government Code Section 65962.5 and, as a result, would it create a significant hazard to the public or the environment?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
e) For a project located within an airport land use plan or, where such a plan has not been adopted, within two miles of a public airport or public use airport, would the project result in a safety hazard for people residing or working in the project area?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
f) For a project within the vicinity of a private airstrip, would the project result in a safety hazard for people residing or working within the project area?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
g) Impair implementation of or physically interfere with an adopted emergency response plan or emergency evacuation plan?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
h) Expose people or structures to a significant risk of loss, injury or death involving wild land fires, including where wild lands are adjacent to urbanized areas or where residences are intermixed with wild lands?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

Discussion of Impacts

(a),(b),(d) No Impact. This project does not involve the creation; emission; transport; use; or disposal of hazardous materials. The project is not located on a site that is included on a list of hazardous materials sites compiled by the Yolo County Environmental Health Department-Hazardous Waste Site Files pursuant to Government Code 65962.5.

c) No Impact. The project is not located within a quarter mile of a school.

e) No Impact. The project is not located within the vicinity of an airport land use plan and will not result in a safety hazard for people residing or working within the vicinity.

f) No Impact. The project site is not located within the vicinity of a private airstrip.

g) No impact. The project would not interfere with any adopted emergency response or evacuation plans.

h) No Impact. The proposed project will not increase the risk of wild land fire. To the contrary, construction of this bridge will make it easier for emergency services to respond to fires or calls for help. This project is not in an urban or suburban area.

VIII. HYDROLOGY AND WATER QUALITY

Would the project:	Potentially Significant Impact	Less Than Significant With Mitigation Incorporated	Less Than Significant Impact	No Impact
a) Violate any water quality standards or waste discharge requirements?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b) Significantly deplete groundwater supplies or interfere substantially with groundwater recharge such that there would be a net deficit in aquifer volume or a lowering of the local groundwater table level (e.g., the production rate of pre-existing nearby wells would drop to a level which would not support existing land uses or planned uses for which permits have been granted)?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
c) Substantially alter the existing drainage pattern of the site or area, including through the alteration of the course of a stream or river, in a manner which would result in substantial erosion or siltation on- or off-site?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
d) Substantially alter the existing drainage pattern of the site or area, including through the alteration of the course of a stream or river, or substantially increase the rate or amount of surface runoff in a manner which would result in flooding on- or off-site?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
e) Create or contribute runoff water which would exceed the capacity of existing or planned storm water drainage systems or provide substantial additional sources of polluted runoff?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
f) Otherwise substantially degrade water quality?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
g) Place housing within a 100-year flood hazard area as mapped on a federal Flood Hazard Boundary or Flood Insurance Rate Map or other flood hazard delineation map?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
h) Place within a 100-year flood hazard area structures which would impede or redirect flood flows?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
i) Expose people or structures to a significant risk of loss, injury or death involving flooding, including flooding as a result of the failure of a levee or dam?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
j) Inundation by seiche, tsunami, or mudflow?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Discussion of Impacts

- a) *Less than Significant with Mitigation Incorporated.* This project is taking place within the stream zone of Cache Creek. The proposed project will include a storm water pollution prevention plan as part of construction requirements. Best Management Practices (BMPs) as listed in the California Stormwater Quality Association (CASQA) BMP Handbook will be used to minimize the chance that construction debris will be discharged into Cache Creek.
- b) *No Impact.* The proposed project would not deplete groundwater supplies or interfere with groundwater recharge.

(c)(d) *No Impact.* The project does not propose to change the existing drainage pattern.

e) *No Impact. See a) above.*

f) *Less than Significant Impact. See a) above.*

g) *No Impact.* No housing is proposed as part of this project.

h) *No Impact.* No structures will be placed within a 100-year flood hazard area that will impede or redirect flood flows. Removing the low-water bridge will improve creek flows.

i) *No Impact.* The alignment of this bridge takes it out of the 100-year flood zone and makes it less likely people would be impacted by a dam failure upstream compared to the existing low-water bridge that is attached to the creek bed and is designed to be overtopped during high water events.

j) *Less than Significant Impact.* The project area is not located near any large bodies of water that would pose a seiche or tsunami hazard. This bridge is no more threatened by mud flows than the existing low-water bridge.

Mitigation Measures

a) Before construction begins the County will obtain a stormwater permit for this project from the Regional Water Quality Control Board. As part of the permit and subsequent work a stormwater pollution prevention plan will be completed and BMPs listed in the CASQA Construction Handbook (Sections 2 & 4) will be used to prevent construction debris from entering Cache Creek.

IX. LAND USE AND PLANNING

Would the project:	Potentially Significant Impact	Less Than Significant With Mitigation Incorporated	Less Than Significant Impact	No Impact
a) Physically divide an established community?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
b) Conflict with any applicable land use plan, policy, or regulation of an agency with jurisdiction over the project (including, but not limited to the general plan, specific plan, local coastal program, or zoning ordinance) adopted for the purpose of avoiding or mitigating an environmental effect?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
c) Conflict with any applicable habitat conservation plan or natural community conservation plan?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

Discussion of Impacts

a) *No impact.* This project will not divide an established community. The project is a proposal for improvements to a recreational area, located within an open space district.

b) *No Impact.* This project does not conflict with any land-use plan, policy, or regulation. The project site is zoned as open space with a history of recreational uses.

c) *No Impact.* The County does not have an adopted HCP or NCCP; however, the activities proposed as part of this project are consistent with the Yolo County Parks and Open Space Master Plan.

X. MINERAL RESOURCES

Would the project:	Potentially Significant Impact	Less Than Significant With Mitigation Incorporated	Less Than Significant Impact	No Impact
a) Result in the loss of availability of a known mineral resource that would be of value to the region and the residents of the state?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
b) Result in the loss of availability of a locally-important mineral resource recovery site delineated on a local general plan, specific plan or other land use plan?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

Discussion of Impacts

(a),(b) *No impact.* The project site is not designated as an area of significant aggregate deposits, as classified by the State Department of Mines and Geology. The U.S. Bureau of Lands Management retains the mineral rights to the associated properties and no actions proposed will alter the current level of access to those mineral rights.

XI. NOISE

Would the project result in:	Potentially Significant Impact	Less Than Significant With Mitigation Incorporated	Less Than Significant Impact	No Impact
a) Exposure of persons to or generation of noise levels in excess of standards established in the local general plan or noise ordinance, or applicable standards of other agencies?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
b) Exposure of persons to or generation of excessive ground-borne vibration noise levels?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
c) A substantial permanent increase in ambient noise levels in the project vicinity above levels existing without the project?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
d) A substantial temporary or periodic increase in ambient noise levels in the project vicinity above levels existing without the project?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
e) For a project located within an airport land use plan or, where such a plan has not been adopted within two miles of a public airport or public use airport, would the project expose people residing or working in the project area to excessive noise levels?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
f) For a project within the vicinity of a private airstrip, would the project expose people residing or working in the project area to excessive noise levels?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

Discussion of Impacts

- a) *No Impact.* The construction and demolition activities will temporarily generate noise during the Monday thru Friday work week. The portion of Cache Creek Canyon Regional Park this project will be built in is lightly used during those times and few if any people will be affected.
- b) *No Impact.* This project may create temporary ground borne vibration during construction of the project, but the area will be closed and no people will be affected by construction noise or activities.

- c) *No Impact.* See (a) above. The proposed improvements would not increase overall ambient noise within the immediate vicinity and would not create a significant permanent noise source.
- d) *Less than Significant Impact.* Construction of the improvements will involve the use of trucks and equipment that create noise, as indicated in (b) above. However, construction will take place between Monday and Friday when the park is nearly vacant, thus temporary and periodic impacts related to construction noise are expected to be less than significant.
- e) *No Impact.* The project is not located within the vicinity of an airport land use plan and will not expose people residing or working in the project area to aircraft noise levels in excess of applicable standards.
- f) *No Impact.* The project site is not located near a private airstrip and would not expose any people to noise from any private airstrip.

XII. POPULATION

Would the project:	Potentially Significant Impact	Less Than Significant With Mitigation Incorporated	Less Than Significant Impact	No Impact
a) Induce substantial population growth in an area, either directly (e.g., by proposing new homes and businesses) or indirectly (e.g., through the extension of roads or other infrastructure)?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
b) Displace substantial numbers of existing housing, necessitating the construction of replacement housing elsewhere?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
c) Displace substantial numbers of people, necessitating the construction of replacement housing elsewhere?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

Discussion of Impacts

(a)(b)(c) *No Impact.* The proposed project is sited in an area zoned for open space and all of the surrounding properties are publicly owned. Construction of this bridge would not induce substantial population growth in the area, would not displace any existing housing, and would not displace any people.

XIII. PUBLIC SERVICES

Would the project result in substantial adverse physical impacts associated with the provision of new or physically altered governmental facilities, need for new or physically altered governmental facilities, the construction of which could cause significant environmental impacts, in order to maintain acceptable service rations, response time or other performance objectives for any of the public services:	Potentially Significant Impact	Less Than Significant With Mitigation Incorporated	Less Than Significant Impact	No Impact
a) Fire protection?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
b) Police Protection?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
c) Schools?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
d) Parks?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
e) Other public facilities?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

Discussion of Impacts

(a)(b) *No Impact.* The proposed improvements will make it easier for fire and police services to respond to incidents on the west side of Cache Creek. The existing low-water bridge is closed to vehicular traffic.

(c)(d) *No Impact.* The proposed improvements will not create the need to build additional schools or parks.

(e) *No Impact.* No impact to other public facilities.

XIV. RECREATION

	Potentially Significant Impact	Less Than Significant With Mitigation Incorporated	Less Than Significant Impact	No Impact
a) Would the project increase the use of existing neighborhood and regional parks or other recreational facilities such that substantial physical deterioration of the facility would occur or be accelerated?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
b) Does the project include recreational facilities or require the construction or expansion of recreational facilities which might have been an adverse physical effect on the environment?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

Discussion of Impacts

a) *No Impact.* This project will provide access to public lands west of Cache Creek. The new bridge will have about the same use as the existing low-water bridge before it was closed. Thus, this project isn't likely to increase the use of recreational areas or lead to the physical deterioration of facilities.

b) *No Impact.* The scope of this project includes the construction of a new bridge and removal of the low-water bridge. There are no recreation facilities planned for this area.

XV. TRANSPORTATION/TRAFFIC

Would the project:	Potentially Significant Impact	Less Than Significant With Mitigation Incorporated	Less Than Significant Impact	No Impact
a) Cause an increase in traffic which is substantial in relation to the existing traffic load and capacity of the street system (i.e., result in a substantial increase on either the number of vehicle trips, the volume to capacity ratio on roads, or congestion at intersections)?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
b) Exceed, either individually or cumulatively, a level of service standard established by the county congestion management agency for designated roads or highways?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
c) Result in a change in air traffic patterns, including either an increase in traffic levels or a change in location that results in substantial safety risks?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
d) Substantially increase hazards due to a design feature (e.g., sharp curves or dangerous intersections) or incompatible uses (e.g., farm equipment)?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
e) Result in inadequate emergency access?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
f) Result in inadequate parking capacity?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
g) Conflict with adopted policies, plans, or programs supporting alternative transportation (e.g., bus turnouts, bicycle racks)?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

Discussion of Impacts

- a) *No Impact.* The proposed bridge will bring the amount of traffic using Rayhouse Rd. to a level approximately equal to the amount of traffic before the closure of the low-water bridge. The amount of traffic will be significantly below the volume to capacity ratio the new bridge could accommodate.
- b) *No Impact.* The new bridge will not affect levels of service on any nearby State or County roads.
- c) *No Impact.* The project would not affect air traffic patterns.
- d) *No Impact.* The project does not incorporate design features that would substantially increase hazards or introduce incompatible uses.
- e) *No Impact.* The proposed project will improve emergency access.
- f) *No Impact.* There are no designated parking areas on Rayhouse Rd. However, there is adequate parking at the lower site entrance to Cache Creek Regional Park for visitors.
- g) *No Impact.* The project would not conflict with adopted policies, plans, or programs supporting alternative transportation.

XVI. UTILITIES AND SERVICE SYSTEMS

Would the project:	Potentially Significant Impact	Less Than Significant With Mitigation Incorporated	Less Than Significant Impact	No Impact
a) Exceed wastewater treatment requirements of the applicable Regional Water Quality Control Board?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
b) Require or result in the construction of new water or wastewater treatment facilities or expansion of existing facilities, the construction of which could cause significant environmental effects?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
c) Require or result in the construction of new storm water drainage facilities or expansion of existing facilities, the construction of which could cause significant environmental effects?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
d) Have sufficient water supplies available to serve the project from existing entitlements and resources, or are new or expanded entitlements needed?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
e) Result in a determination by the wastewater treatment provider which serves or may serve the project that it has adequate capacity to serve the project's projected demand in addition to the provider's existing commitments?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
f) Be served by a landfill with sufficient permitted capacity to accommodate the project's solid waste disposal needs?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
g) Comply with federal, state, and local statutes and regulations related to solid waste.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

Discussion of Impacts

(a) *No Impact.* The proposed project does not have any feature that will be connected to a sanitary sewer system. In fact, there is no sanitary sewer system in this area of the county.

(b)(d) *No Impact.* This project will not require the construction of new water or wastewater treatment facilities.

(c) *No Impact.* The project would not require the construction or expansion of storm water drainage facilities.

(e) *No Impact.* See (a) above.

(f)(g) *No Impact.* The existing County landfill would adequately accommodate refuse from the project. Additionally, the proposed project would be required to comply with all solid waste regulations as implemented and enforced by Yolo County. The existing low-water bridge will be broken up and used for armoring at the buttresses of the bridge.

Potentially Significant Impact	Less Than Significant With Mitigation Incorporated	Less Than Significant Impact	No Impact
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XVII. MANDATORY FINDINGS OF SIGNIFICANCE --

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|--|--------------------------|--------------------------|-------------------------------------|-------------------------------------|
| a) Does the project have the potential to degrade the quality of the environment, substantially reduce the habitat of a fish or wildlife species, cause a fish or wildlife population to drop below self-sustaining levels, threaten to eliminate a plant or animal community, reduce the number or restrict the range of a rare or endangered plant or animal or eliminate important examples of the major periods of California history or prehistory? | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| b) Does the project have impacts that are individually limited, but cumulatively considerable? ("Cumulatively considerable" means that the incremental effects of a project are considerable when viewed in connection with the effects of past projects, the effects of other current projects, and the effects of probably future projects)? | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| c) Does the project have environment effects which will cause substantial adverse effects on human beings, either directly or indirectly? | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |

Discussion of Impacts

- a) *Less than Significant Impact.* Based on the information provided in this Initial Study, potential environmental impacts of the project would be less than significant. Based on the analysis provided in this Initial Study and the regulatory agencies involved with the project, the habitat and/or range of any special status plants, habitat, or plants would not be substantially reduced or eliminated. It is anticipated that removal of the low-water bridge from the creek bed will provide more environmental benefits than construction of the new Cache Creek Bridge will potentially harm the environment.
- b) *No Impact.* Based on the analysis provided in this Initial Study, there would be no potential cumulative impacts of the project.
- c) *No Impact.* Based on the analysis provided in this Initial Study, the project would not have substantial adverse effects on human beings, either directly or indirectly.

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FIGURE 1: Cache Creek Canyon Regional Park (Project Site) Vicinity Map

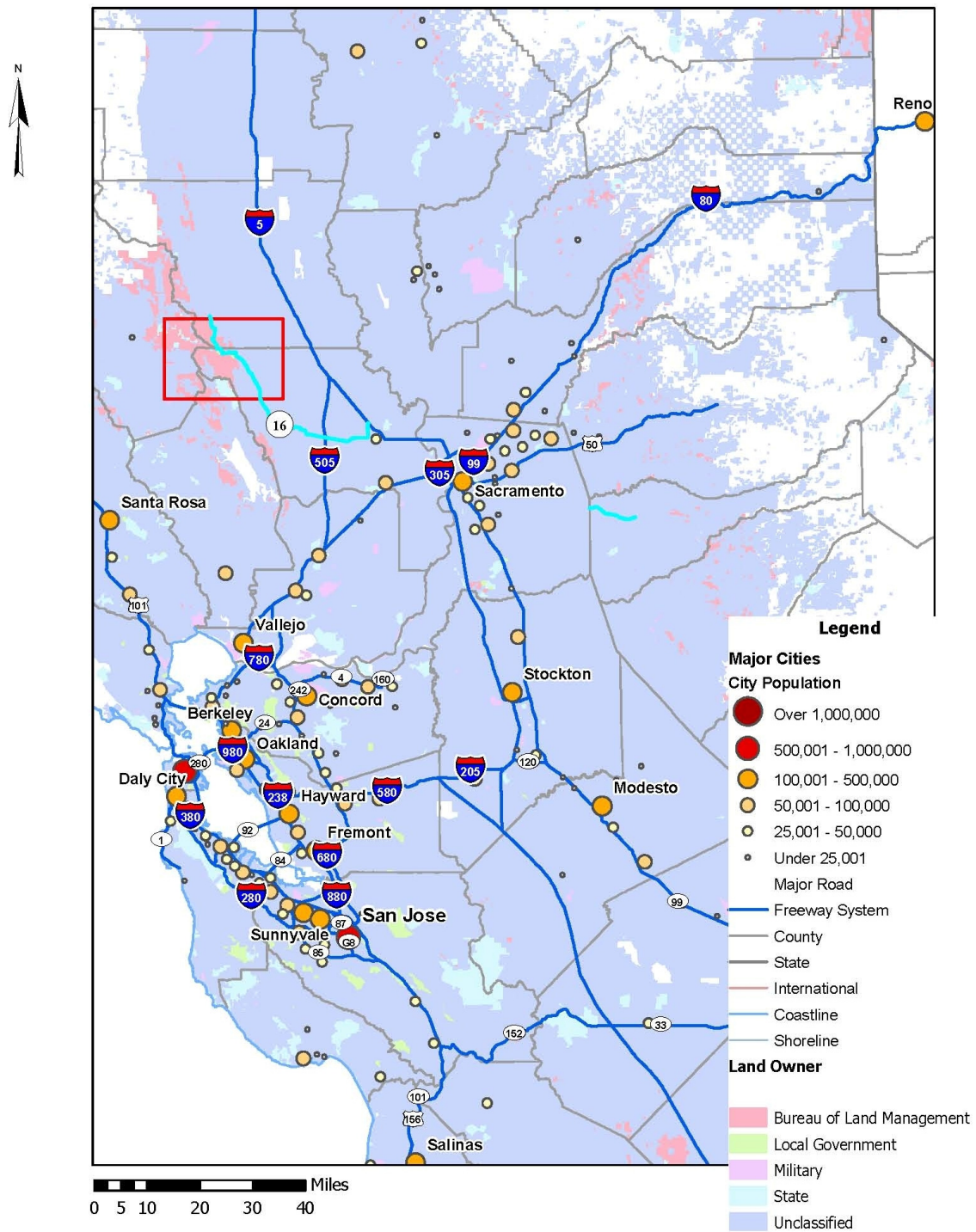


FIGURE 2: Cache Creek Bridge Proposed Alignment

