

RECLAMATION

Managing Water in the West

Categorical Exclusion Checklist

Galindo Creek Bridge Repair

CEC-12-073

Prepared by:



Nicholas Kilb
Natural Resources Specialist
South-Central California Area Office

Date:

6/28/13

Concurred by:

See Attachment A
Archaeologist/Architectural Historian
Mid-Pacific Regional Office

Date: See Attachment

Concurred by:

See Attachment B
Native American Affairs Specialist
Mid-Pacific Regional Office

Date: See Attachment

Concurred by:



Lisa Carlson
Biological Science Technician
South-Central California Area Office

Date:

7/1/2013

Concurred by:



Chuck Siek
Supervisory Natural Resources Specialist
South-Central California Area Office

Date:

7/1/13

Approved by:

for 
Michael Jackson
Area Manager
South-Central California Area Office

Date:

7/9/13



Background

In 2011, United States Bureau of Reclamation (Reclamation) inspected the Contra Costa Canal (Canal) operations bridge (Bridge) that crosses Galindo Creek at Canal milepost (MP) 32.88 in Concord, California (Figure 1, Figure 2, Figure 3, Figure 4). The inspection revealed several structural and safety issues, and Reclamation recommended that the Contra Costa Water District (District) make several repairs.

The Bridge is a timber bridge measuring 82 feet long by 11 feet wide Figure 4. It was built in 1939 and rebuilt in 1991. The Bridge crosses Galindo Creek (Creek) at the point where the Canal is in a siphon under the creek (Figure 3, Figure 6). The Bridge has several uses: it provides access to the Canal for the District's maintenance crews, it is part of the East Bay Regional Park District (East Bay Parks) trail system, and provides access to the residence at 3298 Cowell Road (Residence). The bridge supports a 2-inch Pacific Gas and Electric Company (PG&E) natural gas line and a water line to the Residence. The District is responsible for bridge repairs under their operations and maintenance agreement with Reclamation. East Bay Parks paints the bridge annually as part of their trail maintenance activities.

Need for the Proposed Action

The District needs to repair the Bridge to allow for safe crossing of District staff and vehicles, East Bay Parks staff and vehicles, park trail users, and the occupants of the Residence.

Proposed Action

The District proposes to make the following repairs (Figure 6, Figure 7):

- Replace using cranes from the top of the bridge three (3) outbound stringer beams that support the bridge roadway on the northeast side of the bridge.
- Repair with metal bracing two (2) inner stringer beams using ladders and scaffolding. Efforts will be made to install the ladders and scaffolding to avoid impacting areas of the creek below the ordinary high water mark. This work is expected to take three (3) days. Any small areas where the ladders and scaffolding are placed will be restored to the existing contour profile after the ladders/scaffolding is removed.
- Protect the ends of the bottom sill plate on north abutment with bolted down, galvanized steel covers.
- Replace missing fasteners on the bridge.
- Due to safety concerns, the District already installed a temporary barricade to prevent vehicle and pedestrian access to the damaged section of the Bridge (Figure 5).

The project would take up to 30 continuous work days to complete. Construction equipment would include: cranes, flatbed trucks, dump trucks, pickup trucks, ladders, and hand tools. No excavation would take place during the project. All work would take place within the Canal right-of-way.

Environmental Commitments

Reclamation and the District would implement the following environmental commitments to avoid any environmental consequences associated with the Proposed Action (Table 1).

Environmental consequences for resource areas assume the measures specified would be fully implemented.

Table 1 Environmental Commitments

Resource	Protection Measure
Air Quality	Off-road vehicles (self-propelled diesel-fueled vehicles 25 horsepower and up that were not designed to be driven on-road) shall not be idled for 5 minutes or more.
Air Quality	Off-road vehicles used in demolition or construction shall be reported to the California Air Resources Board (CARB), and have both sides of their vehicles appropriately labeled with Equipment Identification Numbers prior to operation.
Air Quality	All trucks shall be required to cover their loads as required by California Vehicle Code §23114
Biological	Existing trees would be avoided during the construction phase.
Biological	Work shall occur outside of the bird breeding season (February 1 to August 31) to avoid take of nesting birds in compliance with the Migratory Bird Treaty Act. If work must take place during the breeding season, a qualified biologist shall conduct pre-construction nesting bird surveys at the trees bordering the project site no more than 30 days before the start of the project. A report documenting the results of the survey shall be submitted to Reclamation for review, and construction on the project shall not commence until permission has been received from Reclamation biological staff.
Recreation	Impacts to trail use shall be minimized. The trail may be closed for short intervals to ensure public safety during construction.
Traffic	A barricade would remain installed to reduce the bridge width over the damaged stringers to 9 feet, in order to prevent access to the damaged section of the Bridge.
Traffic	The Bridge's maximum weight rating would continue to be limited to 5 tons.
Traffic	The District would prepare and implement a Traffic Control Plan during construction.
Water Quality	No fill shall be placed in Waters of the United States.
Water Quality and Soils	Best Management Practices would be followed to prevent erosion from stormwater runoff.

Exclusion Category

516 DM 14.5 paragraph D (1): *Maintenance, rehabilitation, and replacement of existing facilities which may involve a minor change in size, location, and /or operation.*

Evaluation of Criteria for Categorical Exclusion:

- | | | | |
|---|---|---------------------------------------|---------------------------------|
| 1. This action would have a significant effect on the quality of the human environment (40 CFR 1502.3). | No
<input checked="" type="checkbox"/> | Uncertain
<input type="checkbox"/> | Yes
<input type="checkbox"/> |
| 2. This action would have highly controversial environmental effects or involve unresolved conflicts concerning alternative uses of available resources (NEPA Section 102(2)(E) and 43 CFR 46.215(c)). | No
<input checked="" type="checkbox"/> | Uncertain
<input type="checkbox"/> | Yes
<input type="checkbox"/> |
| 3. This action would have significant impacts on public health or safety (43 CFR 46.215(a)). | No
<input checked="" type="checkbox"/> | Uncertain
<input type="checkbox"/> | Yes
<input type="checkbox"/> |
| 4. This action would have significant impacts on such natural resources and unique geographical characteristics as historic or cultural resources; parks, recreation, and refuge lands; wilderness areas; wild or scenic rivers; national natural landmarks; sole or principal drinking water aquifers; prime farmlands; wetlands (EO 11990); flood plains (EO 11988); national monuments; migratory birds; and other ecologically significant or critical areas (43 CFR 46.215 (b)). | No
<input checked="" type="checkbox"/> | Uncertain
<input type="checkbox"/> | Yes
<input type="checkbox"/> |
| 5. This action would have highly uncertain and potentially significant environmental effects or involve unique or unknown environmental risks (43 CFR 46.215(d)). | No
<input checked="" type="checkbox"/> | Uncertain
<input type="checkbox"/> | Yes
<input type="checkbox"/> |
| 6. This action would establish a precedent for future action or represent a decision in principle about future actions with potentially significant environmental effects (43 CFR 46.215 (e)). | No
<input checked="" type="checkbox"/> | Uncertain
<input type="checkbox"/> | Yes
<input type="checkbox"/> |
| 7. This action would have a direct relationship to other actions with individually insignificant but cumulatively significant environmental effects (43 CFR 46.215 (f)). | No
<input checked="" type="checkbox"/> | Uncertain
<input type="checkbox"/> | Yes
<input type="checkbox"/> |
| 8. This action would have significant impacts on properties listed, or eligible for listing, on the National Register of Historic Places as determined by Reclamation (LND 02-01) (43 CFR 46.215 (g)). | No
<input checked="" type="checkbox"/> | Uncertain
<input type="checkbox"/> | Yes
<input type="checkbox"/> |

- | | | | |
|--|---|---------------------------------------|---------------------------------|
| 9. This action would have significant impacts on species listed, or proposed to be listed, on the List of Endangered or Threatened Species, or have significant impacts on designated critical habitat for these species (43 CFR 46.215 (h)). | No
<input checked="" type="checkbox"/> | Uncertain
<input type="checkbox"/> | Yes
<input type="checkbox"/> |
| 10. This action would violate a Federal, tribal, State, or local law or requirement imposed for protection of the environment (43 CFR 46.215 (i)). | No
<input checked="" type="checkbox"/> | Uncertain
<input type="checkbox"/> | Yes
<input type="checkbox"/> |
| 11. This action would affect ITAs (512 DM 2, Policy Memorandum dated December 15, 1993). | No
<input checked="" type="checkbox"/> | Uncertain
<input type="checkbox"/> | Yes
<input type="checkbox"/> |
| 12. This action would have a disproportionately high and adverse effect on low income or minority populations (EO 12898) (43 CFR 46.215 (j)). | No
<input checked="" type="checkbox"/> | Uncertain
<input type="checkbox"/> | Yes
<input type="checkbox"/> |
| 13. This action would limit access to, and ceremonial use of, Indian sacred sites on Federal lands by Indian religious practitioners or significantly adversely affect the physical integrity of such sacred sites (EO 13007, 43 CFR 46.215 (k), and 512 DM 3)). | No
<input checked="" type="checkbox"/> | Uncertain
<input type="checkbox"/> | Yes
<input type="checkbox"/> |
| 14. This action would contribute to the introduction, continued existence, or spread of noxious weeds or non-native invasive species known to occur in the area or actions that may promote the introduction, growth, or expansion of the range of such species (Federal Noxious Weed Control Act, EO 13112, and 43 CFR 46.215 (l)). | No
<input checked="" type="checkbox"/> | Uncertain
<input type="checkbox"/> | Yes
<input type="checkbox"/> |

Attachment A Cultural Resources Determination



United States Department of the Interior

BUREAU OF RECLAMATION
Mid-Pacific Regional Office
2800 Cottage Way
Sacramento, California 95825-1898

IN REPLY
REFER TO:
MP-153
ENV-3.00

VIA ELECTRONIC MAIL ONLY

June 28, 2013
MEMORANDUM

To: Nick Kilb
Natural Resource Specialist – South Central California Area Office

From: BranDee Bruce /S/
Architectural Historian – Division of Environmental Affairs

Subject: 13-SCAO-107: National Historic Preservation Act (NHPA) Section 106 Compliance for Repair of
Operations Bridge on Contra Costa Canal (CCC), Contra Costa County, California

The proposed undertaking by Reclamation to approve the repair of a Reclamation-owned operations bridge at Milepost (MP) 32.88 on the CCC, a known historic property, was determined to be the type of action that has the potential to cause effects to historic properties pursuant to 36 CFR §800.3 of the Section 106 implementing regulations. As a result of this determination, Reclamation implemented the steps in the Section 106 process as outlined at §800.3 to §800.6.

The proposed project repairs will include replacing three outbound stringer beams that support the northeast side of the bridge, repairing the metal bracing on two inner stringer beams using ladders and scaffolding, and replacing and protecting the ends of the bottom sill on the north abutment by bolting a galvanized steel cover over the top.

Reclamation conducted historic property identification efforts and identified the operations bridge as a component of the CCC, which is the only cultural resource within the area of potential effect for this undertaking. The CCC runs underneath the bridge, along the same alignment as the bridge, in a buried siphon under Galindo Creek. In 2005, the CCC was found eligible for listing on the National Register of Historic Places (National Register) under Criterion A for its association with the construction and operation of the Central Valley Project. The bridge itself was rebuilt in 1991 and was determined to not contribute to the eligibility of the CCC. As the bridge is a non-contributing portion to the CCC and the subsurface component of the CCC is situated outside of the APE and will not be affected by the work on the bridge, Reclamation has determined that a finding of no historic properties affected pursuant to 36 CFR § 800.4(d)(1) is appropriate for this undertaking.

Reclamation initiated consultation with the State Historic Preservation Officer (SHPO) on May 24, 2013 by sending a consultation package for this undertaking. To date, no correspondence has been received from SHPO. Pursuant to 36 CFR §800.5(c), the SHPO has 30 days from receipt to review an agency finding. If after 30 days the SHPO has not responded, §800.5(c)(1) states that "...the agency official may proceed after close of the 30 day review period if the SHPO/THPO has agreed with the finding or has not provided a response...and the agency official shall then carry out the undertaking in accordance with paragraph (d)(1) of this section." As SHPO has failed to respond within the period of time provided to them for review, Reclamation is concluding the Section 106 process. Should SHPO respond at later date with concerns, Reclamation may address them, as appropriate. If a concurrence letter for this undertaking is received, it will be forwarded for your records.

This memorandum is intended to convey the completion of the NHPA Section 106 process for this undertaking. Please retain a copy in the administrative record for this action. Should changes be made to this project, additional NHPA Section 106 review, possibly including additional consultation with the SHPO, may be necessary. Thank you for providing the opportunity to comment.

CC: Cultural Resources Branch (MP-153), Anastasia Leigh – Regional Environmental Officer (MP-150)

Attachment B Indian Trust Assets Determination



Kilb, Nicholas <nkilb@usbr.gov>

Resend: Request for Determinations, CEC-12-073, Repair of Operations Bridge, Contra Costa Canal MP 32.88

RIVERA, PATRICIA <privera@usbr.gov>
To: Nicholas Kilb <nkilb@usbr.gov>

Mon, Apr 29, 2013 at 4:29 PM

Nick,

I reviewed the proposed action to approve the Contra Costa Water District's proposal to make the following repairs to the bridge over Galindo Creek at Contra Costa Canal MP 32.88:

- Replace using cranes from the top of the bridge three (3) outbound stringer beams that support the bridge roadway on the northeast side of the bridge.
- Repair with metal bracing two (2) inner stringer beams using ladders and scaffolding. Efforts will be made to install the ladders and scaffolding to avoid impacting areas of the creek below the ordinary high water mark. This work is expected to take three (3) days. Any small areas where the ladders and scaffolding are placed will be restored to the existing contour profile after the ladders/scaffolding is removed.
- Protect the ends of the bottom sill plate on north abutment with bolted down, galvanized steel covers.
- Replace missing fasteners on the bridge.
- Due to safety concerns, the District already installed a temporary barricade to prevent vehicle and pedestrian access to the damaged section of the Bridge

The project would take up to 30 continuous work days to complete. Construction equipment would include: cranes, flatbed trucks, dump trucks, pickup trucks, ladders, and hand tools. No excavation would take place during the project. All work would take place within the Canal right-of-way.

The proposed action does not have a potential to affect Indian Trust Assets. The nearest ITA is the Lytton Rancheria approximately 17 miles West of the project location.

Patricia Rivera
Native American Affairs Program Manager
US Bureau of Reclamation
Mid-Pacific Region
2800 Sacramento, California 95825
(916) 978-5194

Attachment C Figures

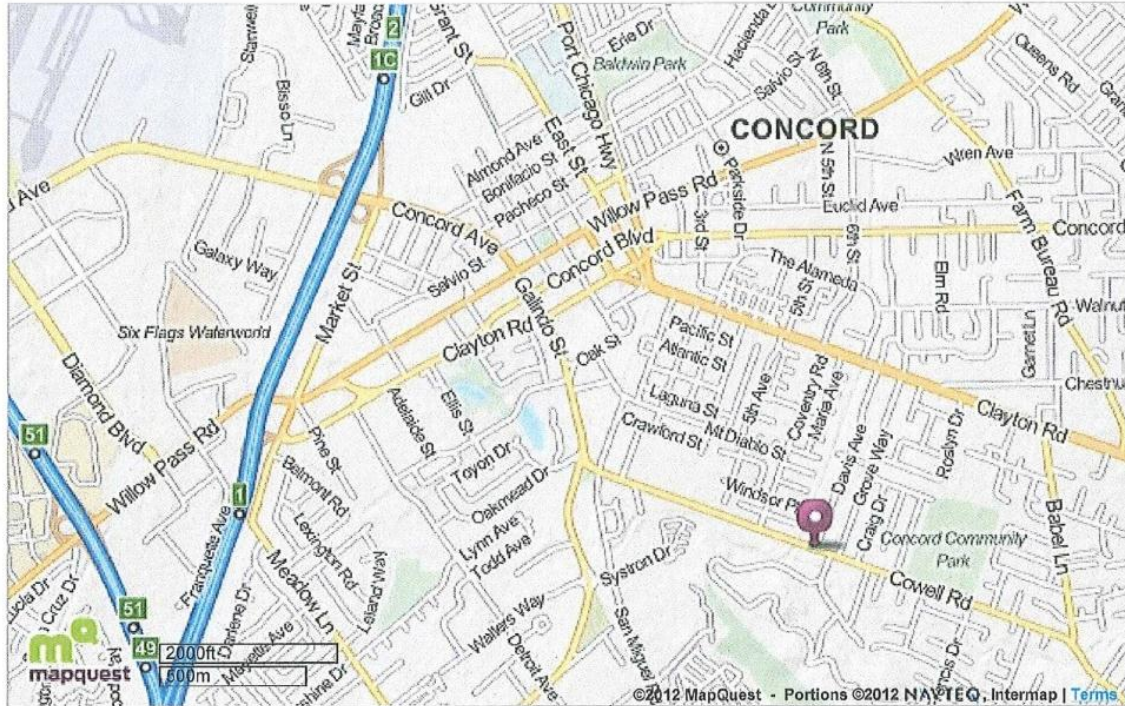


Figure 1 Location Map

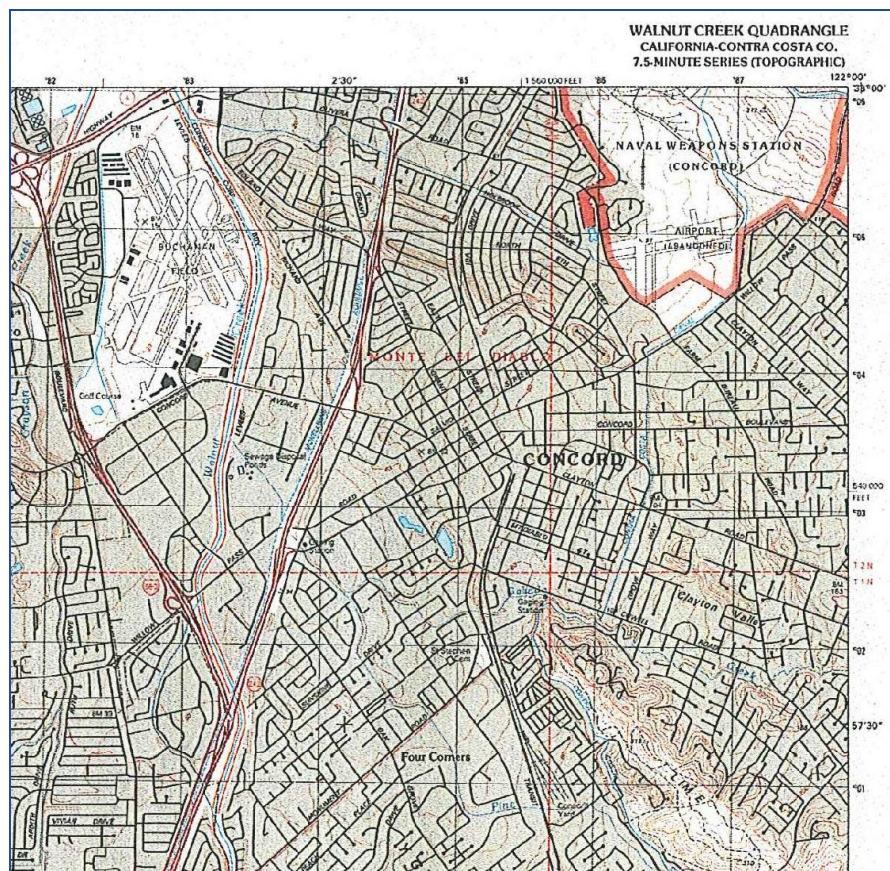


Figure 2 Location on USGS Walnut Creek 7.5-Minute Topographic Map

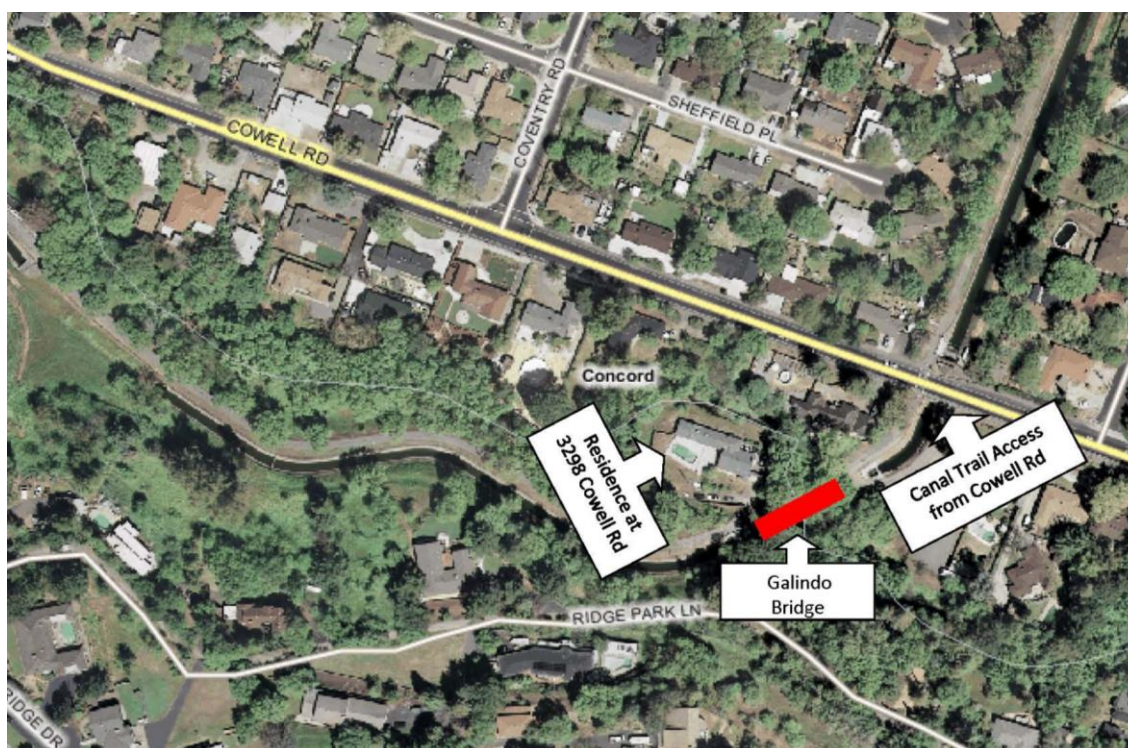


Figure 3 Aerial Image of Site



Figure 4 Photograph of the Bridge - Note 10,000-pound (5 ton) weight limit sign.



Figure 5 Barrier to Prevent Access to the Damaged Portion of the Bridge

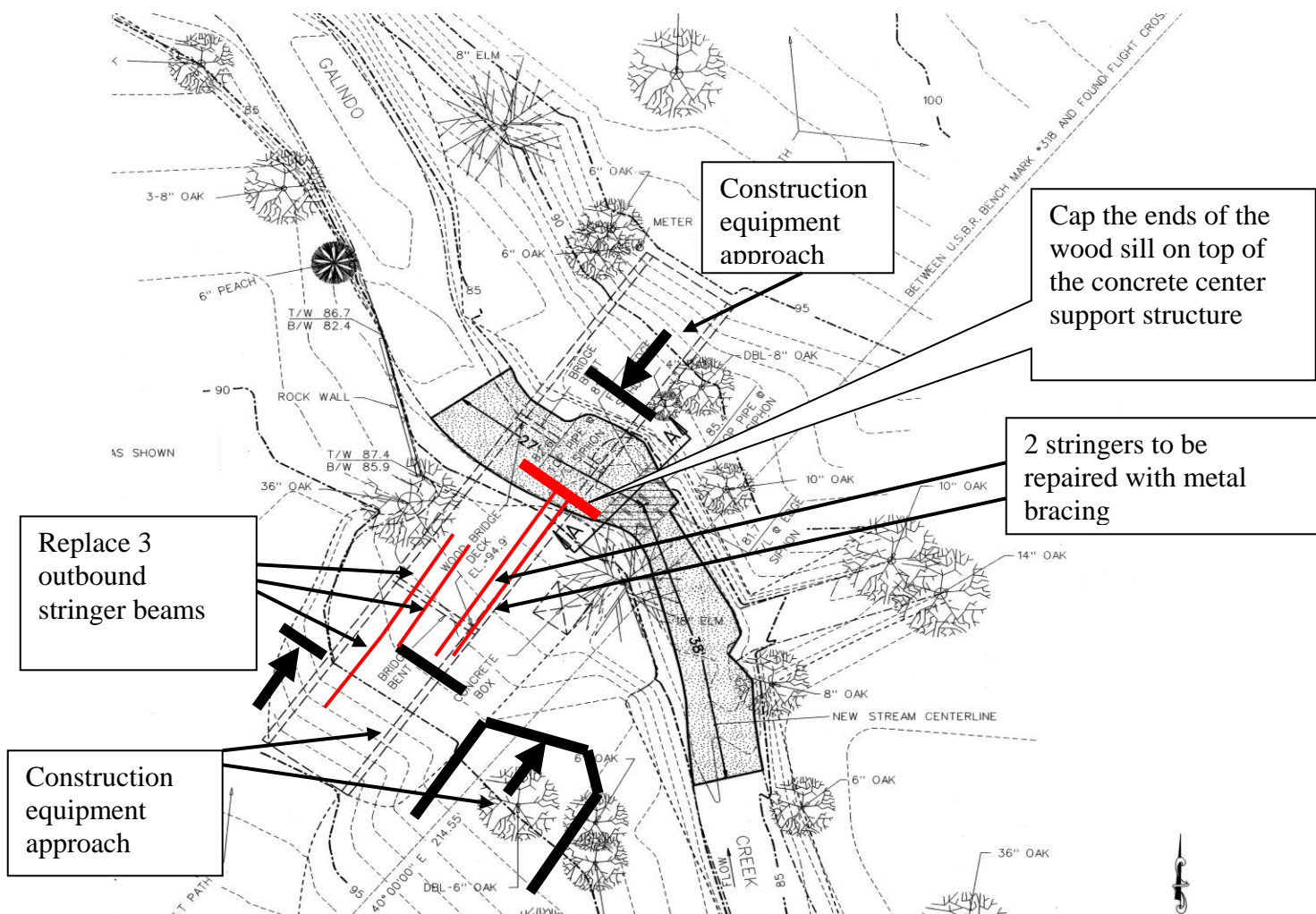


Figure 6 Site Plan and Proposed Repairs

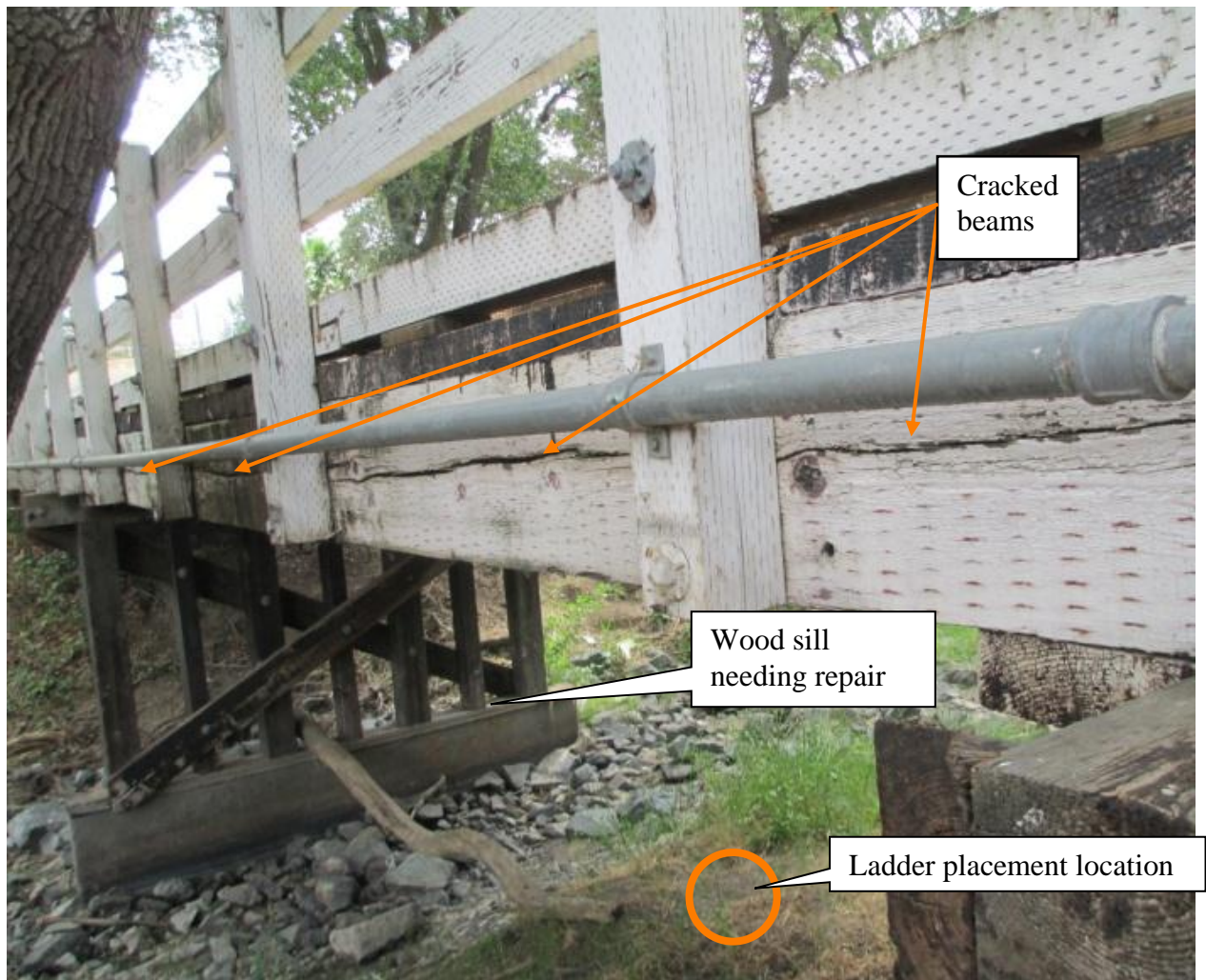


Figure 7 Photograph of Cracked/Worn Beams and Sill