
Central Valley Regional Water Quality Control Board

21 July 2020

Robert Catalano
Honey Run Covered Bridge Association
P.O. Box 5201
Chico, CA 95927

ORDER AMENDING CLEAN WATER ACT SECTION 401 WATER QUALITY CERTIFICATION AND ORDER; HONEY RUN COVERED BRIDGE ASSOCIATION, HONEY RUN COVERED BRIDGE REPLACEMENT PROJECT (WDID NO. 5A04CR00312A1), BUTTE COUNTY

This Order responds to the 26 June 2020 request for an amendment of the Honey Run Covered Bridge Replacement Project Section 401 Water Quality Certification (WDID No. 5A04CR00312). The original Water Quality Certification (Certification) was issued on 9 June 2020. The requested amendment is hereby approved, and the original Certification is therefore amended as described below. Please attach this document to the original Certification.

AMENDMENT:

Honey Run Covered Bridge Association is requesting an amendment to the Section 401 Water Quality Certification and Order to modify the column size of the bridge, resulting in an increase of 0.005 acre of permanent impacts. Therefore, Section IV; Section VII, Table 2; Attachment A, Figure 3; and Attachment B, Table 3 are amended in underline format below.

IV. Project Description

The project will require temporary gravel construction roads to be graded from the banks to allow construction equipment to gain access to portions of the non-active channel. Willows and associated riparian vegetation will be removed as needed during the formation of the temporary gravel construction roads. No living native trees will be removed. Equipment will require access to the gravel bars on both sides of the creek to construct foundations and erect the new bridge truss elements. Temporary work platforms may also be required for positioning and operating construction equipment for the delivery of construction materials for the new bridge. Large cranes will also need to access the gravel bars for erection of the new trusses. Ground improvements in the streambed may be required to support the loads of this equipment including placement of compacted gravel, steel traffic plates, or timber mats. All temporary construction systems and fill materials within the floodplain will

KARL E. LONGLEY SCD, P.E., CHAIR | PATRICK PULUPA, ESQ., EXECUTIVE OFFICER

be removed upon completion of bridge construction. Public access to a short reach of the creek will be restricted throughout the construction process.

It is anticipated that excavators, dozers, cranes, pavers, dump trucks, concrete trucks, concrete pumps, pile hammers, excavation shoring systems, concrete formwork systems, and other equipment will be required to construct the new bridge. Construction is anticipated to be completed in one construction season. The first order of work will be to construct the new foundation and substructure at the abutments and intermediate piers. Next, the structural timber trusses will be assembled on-site and erected with cranes onto the substructure elements. The bridge flooring system will then be installed in between the trusses. The covered housing will be affixed to framing supported by the structural trusses. The erection of the covered housing may come at a later date as part of a phased project, depending on fundraising outcomes.

The selected foundation system is combination of spread footings bearing on dense soils at the abutments and a deep foundation pile system for the intermediate piers consisting of [48-inch](#) diameter cast-in-drilled-hole (CIDH) piles. All foundations will extend into competent soil materials beyond their respective scour depths. Construction of these foundations will require earthwork excavation and backfill on both the terrace banks and in the streambed. It is anticipated that temporary shoring systems may be required to allow placement of the abutment reinforced concrete spread footings. Installation of the intermediate pier CIDH piles will require the use of at least two cranes, a drilling auger, and drilling techniques involving drilling slurry fluid. It is anticipated that full length drilling casings may be used to keep the drilled holes open from caving prior to placement of bar reinforcement and pile concrete. Two CIDH piles will be installed at each intermediate pier for a total of four [48-inch](#) diameter CIDH piles. The CIDH piles will be extended above ground to serve as column extension supports at each pier location.

VII. Description of Direct Impacts to Waters of the State

Total Project fill/excavation quantities for all impacts are summarized in Tables 1 and 2. Permanent impacts are categorized as those resulting in a physical loss in area and also those degrading ecological condition.

Table 1: Total Project Fill/Excavation Quantity for Temporary Impacts¹

Aquatic Resources Type	Acres	Cubic Yards	Linear Feet
Stream Channel	0.35		344

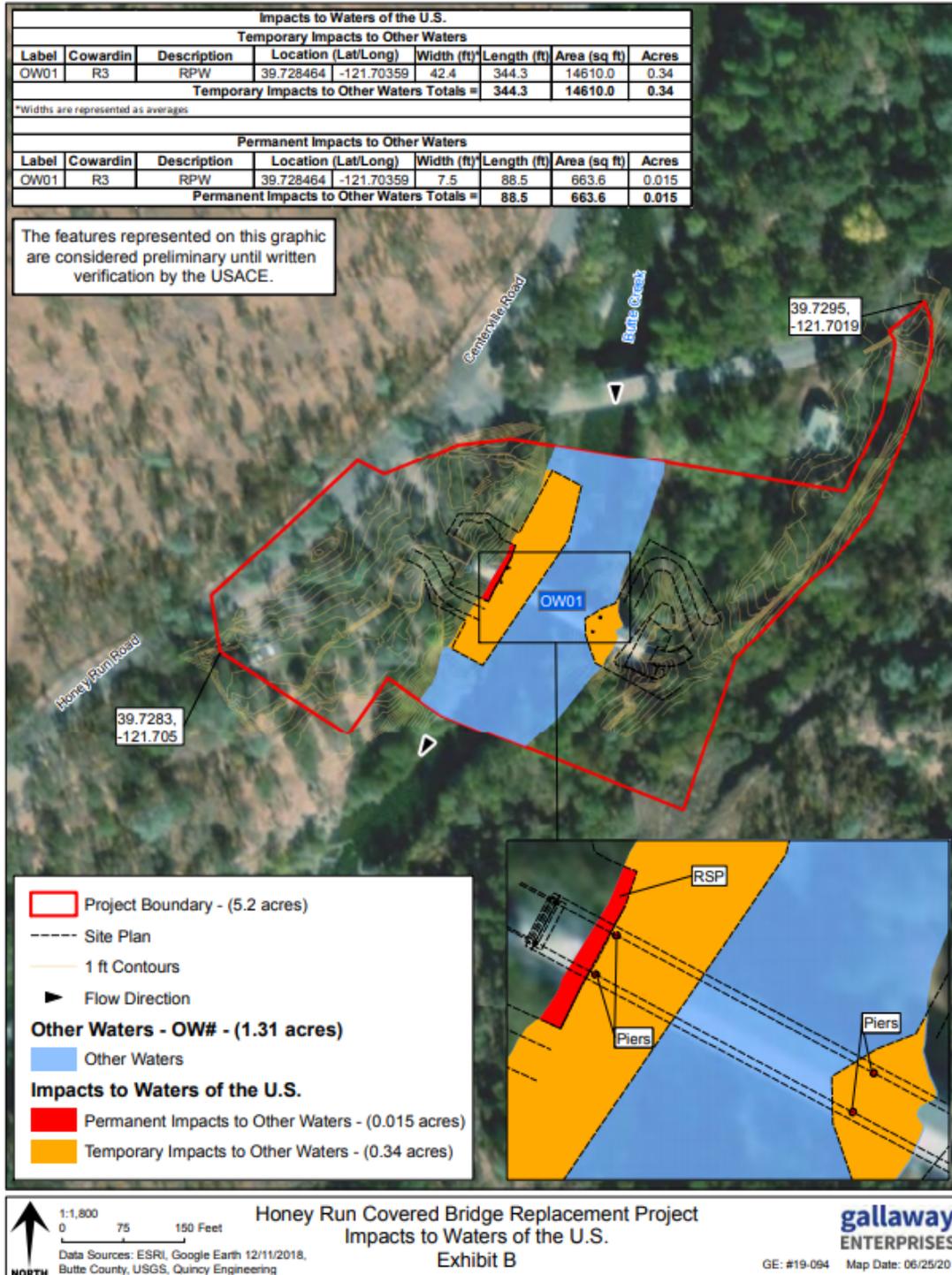
Table 2: Total Project Fill/Excavation Quantity for Permanent Physical Loss of Area Impacts

Aquatic Resources Type	Acres	Cubic Yards	Linear Feet
Stream Channel	<u>0.015</u>	<u>92.6</u>	88

¹ Includes only temporary direct impacts to waters of the state and does not include area of temporary disturbance which could result in a discharge to waters of the state. Temporary impacts, by definition, are restored to pre-project conditions and therefore do not include a physical loss of area or degradation of ecological condition.

Attachment A

Figure 3. Honey Run Covered Bridge Replacement Project Impacts to Waters of the United States.



Attachment B

Receiving Waters, Impacts and Mitigation Information

Individual Direct Impact Locations

The following tables show individual impacts.

Table 3: Individual Permanent Fill/Excavation Impact Information

Impact Site ID	Latitude	Longitude	Indirect Impact Requiring Mitigation?	Acres	Cubic Yards	Linear Feet
Butte Creek	39.728	-121.704	No	<u>0.015</u>	<u>92.6</u>	88

CENTRAL VALLEY WATER BOARD CONTACT:

Daniel Warner
364 Knollcrest Drive, Suite 205
Redding, CA 96002
Daniel.Warner@waterboards.ca.gov
(530) 224-4848

WATER QUALITY CERTIFICATION:

I hereby issue an Order amending the existing Clean Water Act Section 401 Water Quality Certification and Order for Honey Run Covered Bridge Replacement Project (WDID No. 5A04CR00312A1). All other conditions and provisions of the original Water Quality Certification remain in full force and effect, except as modified based on the conditions of this Order. Failure to comply with the terms and conditions of the original Water Quality Certification, previously approved amendments, or of this Order may result in suspension or revocation of the Water Quality Certification.

Original Signed by Clint Snyder AEO (for)
PATRICK PULUPA, Executive Officer
Central Valley Regional Water Quality Control Board

7/21/20
Date

DLW: db

cc
via email: Sam Ziegler, U.S. EPA, Region 9, San Francisco
Water Quality Certification Program, SWRCB, Sacramento
Kevin Sevier, Gallaway Enterprises, Chico