

Memorandum

*Making Conservation
a California Way of Life.*

To: GERAMALDI GERAMALDI
Environmental Planning

Date: July 10, 2019

File: 05-1H4300
0516000073
05-SB-101 PM 21.62
San Jose Creek Bridge
Replacements

From: ISAAC LEYVA
District 5 Environmental Engineering

Subject: Water Quality for Bridge Replacement - Updated

No field review was conducted for the project to replace both north and south bound Highway 101 bridge structures (51-0163 R/L) over the San Jose Creek near the City of Goleta in Santa Barbara County. A set of project plans were reviewed for the chosen alternative (Alternative 3 – Programable alternative) consisting of both demolition and reconstruction of left and right bridges.

Update: Recent design changes have been proposed to lengthen sections of rock slope protection (RSP) on both banks of San Jose Creek extending away from the bridges up and down stream in order to further stabilize the creek from stream erosion and scour.

As a result of the design change, there continues be no significant long-term impacts from the extension of the RSP and may actually be beneficial to arrest erosion in the future during high flow storm events.

However, there also may be more sort-term impacts during the installation process due to additional soil disturbance in comparison to the old design. Additional BMP measures will be required to mitigate the additional short-term impacts.

The region is regulated by the Central Coast Regional Water Quality Control Board (CCRWQCB) and the Central Coast Basin Plan.

The San Jose Creek water shed has been identified on the CCRWQCB 303(d) 2008 list for TMDL Priority Schedule of impaired waters.

The following are anticipated to apply to the project:

- Fish and Game Code 5650 states that it is unlawful to deposit asphalt, or other petroleum products or any material deleterious to fish, plant life or bird life where it can pass into waters of the State.
- Section 1601 of the California Department of Fish and Wildlife Code (CDFW) requires notification of the CDFW prior to the commencement of construction.
- Coordination with the Army Corps of Engineers may be required for obtaining the 404 permit to perform work in the stream channel, if necessary, as well as the Regional Water Quality Control Board for 401 certification.
- NEPA 404 coordination may also be anticipated.
- Permit 1602 – Stream Bed Alteration Agreement with CDFW.

Based on the information provided in the request for environmental document, it has been determined that the bridge replacements would not have any long-term impacts on the water quality within or adjacent to the project area if water quality issues are addressed during planning and design. Any potential impacts must be addressed, eliminated or minimized to the maximum extent practicable (MEP) during the design and construction by incorporating the appropriate permanent and temporary Best Management Practices (BMPs) into the project. In the construction phase, the contractor shall exercise every reasonable precaution, as stated in the Caltrans Standard Specifications Section 7-1.01G, to eliminate potential impacts to water quality while implementing appropriate BMPs.

The Water Quality Assessment (WQA) has determined based on the quantity of disturbed soil that the project will require a water pollution control plan (WPCP). The WPCP will determine the feasibility of incorporating permanent treatment or structural BMPs into the project. The WQA will also address any critical temporary BMPs that must be incorporated or eliminate any potential nonstorm water discharges during construction.

Specific BMP's applicable to the project include the following:

1. Job Site Management.
2. Prepare WPCP.
3. Temporary - Hydraulic Mulch, Check dam, Drainage Inlet Protection, Fiber Roll, Construction Entrance, Concrete Washout, ESA Fencing.

The following items may apply to construction activities:

1. A report of NOTIFICATION OF CONSTRUCTION (NOC) for all construction projects with more than one acres (0.4 hectares) of soil disturbance shall be submitted to the appropriate Regional Water Quality Control Board (RWQCB) at least 30 days prior to the start of construction. The tentative start date, tentative duration, location of construction, description of project, an estimate of the number of affected acres, resident engineer in charge of the project, and telephone number of the resident engineer shall be reported.
2. A Storm Water Pollution Prevention Plan (SWPPP) or a Water Pollution Control Plan (WPCP) shall be prepared and implemented during construction to the satisfaction of the Resident Engineer.
3. A NOTICE OF CONSTRUCTION COMPETITION (NOCC) shall be submitted to the RWQCB upon completion of the construction and stabilization of the site. A project will be

considered complete when the criteria for final stabilization in the Construction General Permit is met.

Preparation costs of these documents shall be determined in greater detail according to the Storm Water Management Plan (SWMP). Construction costs will be dependent on procedures outlined in the Caltrans February 2016 Project Planning and Design Guide.

If you have any questions or comments please contact Isaac Leyva at (805) 549-3487.

Isaac V. Leyva
Caltrans Environmental Planning-Environmental Engineering.

c: RE File
: Design Engineer