

## Central Valley Regional Water Quality Control Board

4 June 2018

Sam Sherman  
California Department of Transportation, District 10  
1976 Dr. Martin Luther King Jr. Blvd.  
Stockton, CA 95201

### **NOTICE OF APPLICABILITY: STATE WATER RESOURCES CONTROL BOARD CLEAN WATER ACT SECTION 401 GENERAL WATER QUALITY CERTIFICATION, SB17001GN, OF THE 2017 NATIONWIDE PERMITS (NWP NO. 6) FOR STOCKTON VIADUCT BRIDGE STAGE 2 GEOTECHNICAL INVESTIGATION PROJECT, SAN JOAQUIN COUNTY, W DID NO. 5B39CR00304**

This letter is to certify activities required to conduct geotechnical drilling to characterize the foundation materials at the Stockton Viaduct Bridge site on California Interstate 5 in San Joaquin County under the State Water Resources Control Board Clean Water Act Section 401 General Water Quality Certification of 2017 Nationwide Permits, SB17001GN.

#### **PROJECT DESCRIPTION**

The Office of Geotechnical Design-North (OGD-N) is planning to perform barge-mounted subsurface investigation below the existing bridge decks at or near the proposed design pier/foundation locations located within the channel of the Stockton Deepwater Channel at the Port of Stockton to determine the types of foundation material at the site. OGD-N proposes to collect subsurface data necessary for the analysis of the current foundations and the preparation of the future foundation recommendations and to provide information for future construction procedures. The subsurface data will be used to generate a "Log of Test Boring" (LOTB). The LOTB is a contractual document that provides the subsurface information for the project site. The LOTB sheets are signed by a State of California Registered Civil Engineer or Registered Geologist and are included in the Caltrans Contract Plans.

The drilling locations at Bents 8 and 9 will require drilling from a barge. Due to the logistics involved in drilling from a barge and importance of these locations to the project, it is recommended to drill four (4) borings, two at each pier, to provide data for the retrofit and possible replacement. Borings will be composed of 4-inch to 6-inch diameter mud rotary drilled exploration holes extending to a maximum depth of 200 feet below the existing ground surface. Continuous sampling recovery of the soil materials will be achieved by utilizing the "punch-core" barrel sampling with a finger-bit and the Standard Penetration Test (SPT) sampler. All soil samples drilled will be collected for field identification and geotechnical laboratory testing. Samples not selected for testing will be containerized in mud drums for disposal. Upon the completion of each boring, the borehole will be sealed with bentonite chips or alternate material such as cement grout, specified by any regulatory permits. It is anticipated that it will take four to six weeks to complete the Stage 2 drilling. A drill rig placed on a barge will be transported by a

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support boat to the boring locations. It will take two days to assemble the barge and another two days to disassemble the barge at a boat launch facility. It is expected that the barge will be assembled, equipped, and launched from a marina facility at the Stockton Deepwater Channel (from 5-Star Marina on north side of channel or from Stockton Downtown Marina on the south side of the Channel). No removal of perennial woody riparian vegetation will be required for barge access or staging. To utilize the mud rotary drilling operation, water will be drafted onsite from the Stockton Deepwater Channel.

#### **FINDINGS OF APPLICABILITY**


This letter serves as formal notice that Certification No. SB17001GN is applicable to this project. Your waste discharge identification (WDID) number is 5B39CR00304.

#### **REPORTING**

A Notice of Completion (NOC) shall be submitted by the applicant no later than 30 days after the work has been completed. The NOC shall demonstrate that the work has been carried out in accordance with the description provided in the applicant's Notice of Intent (NOI).

Failure to comply with the terms and conditions of Certification No. SB17001GN may expose the California Department of Transportation to enforcement action pursuant to the Clean Water Act and California Water Code.

If you have any questions contact Daniel Warner at (530) 224-4848, [Daniel.warner@waterboards.ca.gov](mailto:Daniel.warner@waterboards.ca.gov), or the footer address.



Patrick Pulupa, Executive Officer  
Central Valley Regional Water Quality Control Board

DLW: db

cc: U.S. Army Corps of Engineers, Sacramento  
Department of Fish and Game, Region 2, Rancho Cordova