

January 22, 2018

Rafael Contreras
City of Anaheim
200 S Anaheim Boulevard, Suite 276
Anaheim, CA 92805

Subject: Jurisdictional Delineation for the Orangewood Avenue Bridge Widening Over Santa Ana River in the City of Orange, California.

Dear Mr. Contreras:

Michael Baker International (Michael Baker) has prepared this letter report to document the results of a jurisdictional delineation that has been prepared for the City of Anaheim, in order to delineate the U.S. Army Corps of Engineers' (Corps), San Diego Regional Water Quality Control Board's (Regional Board), and California Department of Fish and Wildlife's (CDFW) jurisdictional authority located within the Orangewood Avenue Bridge Widening Over Santa Ana River (project site). The field work for this delineation was conducted on September 13, 2017.

Project Description

The City proposes to widen Orangewood Avenue from a four-lane roadway to a six-lane divided facility to provide expanded vehicle, bicycle, and pedestrian access. The project would incorporate an additional through lane in each direction of travel through the project site boundaries. To widen the roadway, the project would widen the existing Orangewood Avenue bridge structure over the Santa Ana River. Bridge widening improvements would involve widening the bridge an additional 30-35 feet to accommodate the proposed six travel lanes and associated sidewalk. Five (5) existing bents will be lengthened for the widening. The bents are situated along the River bottom. The proposed total bridge length would be 348 feet, six inches. In addition, to accommodate the proposed roadway widening, improvements within existing Caltrans right-of-way (associated with the SR-57/Orangewood Avenue interchange) would include a Caltrans-standard type 1 retaining wall up to eight feet in height along the northern side of Orangewood Avenue.

Jurisdictional impacts associated with bridge widening over the Santa Ana River would result in 0.03-acre of permanent impacts and 1.12-acre of temporary impacts to CDFW unvegetated streambed.

Site Conditions

Santa Ana River traverses under the Orangewood Avenue Bridge in north to south direction. The U.S. Army Corps of Engineers (Corps) Ordinary High Water Mark (OHWM) ranged from 255 to 265 feet in width and the California Department of Fish and Wildlife (CDFW) jurisdictional streambed ranged from approximately 300 feet in width. Water flow was not noted within the channel during the site visit. No wetland features were noted onsite during the site visit.

Recommendations

Please note that based on a detailed review of the current site conditions and proposed project, our research has indicated that it will be necessary for City of Anaheim to successfully obtain the following permits should construction activities occur within State and Federal jurisdictional areas: Corps Section 404 Nationwide Permit 14- Linear Transportation Projects, Regional Board Section 401 Water Quality Certification and CDFW 1602 Streambed Alteration Agreement.

Please contact me at (949) 855-3687 or at RBECK@mbakerintl.com with any questions you may have regarding this project.

Sincerely,

A handwritten signature in cursive script that reads "Richard Beck".

Richard Beck
Regulatory Task Manager
Natural Resources/Regulatory Permitting