

Notice of Section 401 Application Reception

File Number: 362021-15

Project Name: Dunlap Bridge Replacement Project

Date Posted: 12/15/2021

Received: 11/19/2021

Project City: Yucaipa

Project County: San Bernardino

Applicant Organization: City of Yucaipa

Applicant Name: Mike Seal

Waterboard Staff: TBA

Brief Description of Project:

Project Description: The purpose of the project is to replace and reconstruct the existing Dunlap Boulevard culvert with a reinforced concrete box girder bridge that provides safe conveyance of the 100-year storm in Wilson Creek under the bridge crossing. The proposed Dunlap Boulevard Bridge deck will be reconstructed at an elevation approximately 5-feet higher than the existing bridge deck to raise the bridge bottom above the 100-year water surface elevation and prevent future overtopping of the road.

Project Activities: The proposed bridge will be 63-feet long with a 23-foot reinforced concrete box girder section and a steel facade and steel handrails. The bridge will be supported on reinforced concrete vertical abutments supported by 30-in diameter cast in drilled hole (CIDH) piles. In order to minimize disturbance within the channel, a portion of the existing roadway culvert will be protected in place and incorporated into the proposed bridge/channel reconstruction. The vertical walls of the existing culvert will be cut and removed. The existing reinforced concrete culvert slab will be protected in place and the ungrouted riprap that currently exists on either side of the slab will be removed from the channel bed. In the place of the riprap, a new invert concrete slab will be installed to extend the culvert bottom. As a part of the bridge replacement project, minor modifications will be made to stabilize the side slopes, transition to the new channel improvements and improve drainage. These modifications include installation of reinforced concrete transition structures (wingwalls) to transition the channel section from a 56-foot-wide base, back to the existing channel base configuration of 39-feet that occurs up and downstream of the Dunlap Boulevard crossing. UngROUTED rip-rap will be installed at the toe of slope up and downstream of the crossing to reduce flow velocity and prevent erosion of the channel bottom. Implementation of the proposed project will result in the replacement of 0.05-acres of ungrouted riprap in the channel bottom with the extended concrete slab. Permanent changes to 0.02-acres of state and federal jurisdictional waters in the channel bottom will occur through installation of new

ungROUTED riprap stabilization structures. Additionally, 0.17-acres of state jurisdictional waters will be modified through construction of the concrete wingwalls. Temporary disturbance to 0.09-acres of state and federal jurisdictional waters in the channel bottom associated within temporary construction access and installation of the wingwalls and ungrouted riprap. Following construction of the project, all temporary equipment access areas will be returned to pre-project grade and condition. There is no change to Dunlap Boulevard proposed, a single lane of traffic will be provided in either direction along with a pedestrian path on both sides of the bridge following construction.