

Notice of Section 401 Application Reception

File Number: 302022-20

Project Name: Silverado Canyon Road Bridge (#55C0174) Replacement Project

Received: 10/14/2022

Date Application Posted: 10/20/2022

End of 21 Day Public Comment Period: 11/10/2022

Project City: Unincorporated Silverado

Project County: Orange

Applicant Organization: Orange County Public Works

Applicant Name: Giles Matthews

Waterboard Staff: KF

Brief Description of Project:

Project Description: The existing bridge provides the only access into and out of Silverado Canyon and currently serves the rural residents, the volunteer fire station, the community center, branch library, and post office of Silverado. It is important that access, for both residential and emergency vehicles, is either maintained during construction or an alternative detour provided. No detour is available for this bridge. The project would therefore require staged construction (keeping one traffic lane open at all times). The existing bridge received a low Sufficiency Rating of 46.5 (out of 100) on the most recent Caltrans bridge inspection report. In addition to its advanced age and noticeable signs of deterioration, the bridge is also classified as functionally obsolete, which means that the bridge deck is too narrow for the current and anticipated traffic needs.

Project Activities: The proposed construction activities include the removal of the existing steel bridge (in two separate stages); the full or partial removal of the existing abutments and wingwalls; the construction of a wider concrete bridge, abutments, wingwalls, and retaining walls; the replacement of the existing metal beam guardrails; the widening of the roadway at both ends of the bridge approaches; regrading of the existing creek banks at the bridge; construction of a temporary construction access ramp and bridge falsework within the creek; and the construction of scour countermeasures at the bridge foundations. The proposed bridge width would be approximately 58 feet long and 44 feet wide consisting of two 12-foot wide traffic lanes, two 5-foot shoulders, two traffic barriers, and a 5-foot sidewalk with railing (north side). The project would also require relocation of the existing waterline and the relocation and/or protection of existing overhead electrical and communication lines. Project construction is anticipated to begin in January 2023 and take approximately 12 months.