

## **Notice of Section 401 Application Reception**

**File Number:** 302021-05

**Project Name:** Modjeska Canyon Road Embankment Repair and Restoration Project

**Date Application Date Posted:** 6/02/2021

**Received:** 5/17/2021

**Project City:** Modjeska Canyon

**Project County:** Orange

**Applicant Organization:** Orange County Public Works

**Applicant Name:** James Volz

**Waterboard Staff:** MZ

### **Brief Description of Project:**

Project Description: OC Public Works is proposing to address localized erosion of the embankment that has occurred at this location of Santiago Creek and prevent the collapse of the roadway into the creek. The collapse of the roadway into the creek could result in fatalities if the roadway is not closely rapidly after the collapse. A goal of this project is an overall increase in native habitat and at the same time address the erosion of the roadway embankment that has occurred at this location, leading to an overall environmental uplift.

Project Activities: The length of the proposed repair of the roadway embankment is 224-ft. The roadway embankment would be stabilized using riprap and earthen fill as shown on the attached construction drawings. The riprap embankment would be constructed to a slope of 1.5 to 1 and a height of 12-ft above the invert of the creek. The riprap is not needed to extend all the way to the top of the embankment since the stormwater flow could not exceed that height. A 3-ft wide plateau will be placed at the top of the riprap as shown on the construction drawings. Soil will be worked into the voids in the riprap. Six inches of soil will be placed on top of the riprap and compacted. The soil will be seeded with native Coastal Sage Scrub (CSS) species and covered with a biodegradable coconut blanket. The toe of the slope would be planted with locally sourced willow and mulefat poles to protect the soil on the lower slope and encourage native riparian vegetation to establish.