

**Sycamore Canyon Slope Stabilization
(2016-C-3)**

Project Ranking

100%

Total Estimated Cost: \$300,000



Background

The South Coast Conduit is a concrete-lined, concrete encased steel pipeline extending twenty-six miles from the Goleta reach south to Carpinteria. The pipeline ranges in diameter throughout various reaches of the system and is designed to flow water from Cachuma Lake by gravity. Erosion caused by severe runoff on dry hillsides affected by the recent five year drought has caused exposure of the pipeline in the Sycamore Canyon section of the system.

Need for Project

The exposed portion of the South Coast Conduit is vulnerable to pipeline failure resulting from structural damage, corrosion, and or additional erosion material sliding over the conduit. This vulnerability poses a significant risk to system operation. This project would consist of securing the conduit at this location and restore appropriate engineered fill over the pipeline on the slope in order to eliminate risk associated with the continued hillside erosion during storm events.

Description

Engineering services would be retained to conduct a site evaluation and perform a geotechnical study and project design to stabilize the slope and ensure protection and access to the pipeline. The construction phase would implement the repair in accordance with the engineering design, recommendations and specifications.

Phase I (Fiscal Year 2017-18): Site evaluation and engineering design

Phase II (Fiscal Year 2017-18): Secure Pipeline - Slope Stabilization and Protection (based on design plan completed in Phase I).

Regulatory Compliance

Located in USBR Right-of-Way

Budget & Schedule

Internal Staff Estimate

Fiscal Year	Cost
2017-18 (Phases I & II)	\$ 300,000
Total	\$ 300,000