

**Clean Clogged Weep Holes in Tecolote Tunnel
(2005-2-31)**

(To be performed in conjunction with Tecolote Tunnel Investigation Project)

Project Ranking

52%

Total Estimated Cost: \$200,000



Background

Included in the construction of the Tecolote Tunnel were a series of “weep holes” that allow ground water to flow into the tunnel. The weep holes serve two purposes: 1) to relieve the ground water pressure on the outside of the tunnel structure and 2) provide for the importation of usable ground water into the tunnel.

Need for Project

There are numerous weep holes within the Tecolote Tunnel that have been subjected to mineral accumulation creating deposits. Hydrogen sulfide has contributed to corrosion of the concrete structure adjacent to the weep holes. The mineral accumulation and corrosion have eliminated or reduced the ability of the weep holes to function, thereby potentially affecting the stability of the structure. The weep holes need to be cleaned to allow proper water drainage into the tunnel to protect the Tunnel structure.

Description

The project would be conducted concurrent with the concrete lining repair and will require a shutdown of the tunnel and all safety precautions necessary for tunnel access because of hydrogen sulfide exposure and confined space issues.

Regulatory Compliance

This project has been identified by the USBR as a Category 2 recommendation.

Budget & Schedule

Internal Staff Estimate

Fiscal Year	Cost
2019-20	\$200,000
Total	\$200,000