

**South Portal Slope Stabilization
(2014-C-59)**

Project Ranking
74%

Total Estimated Cost: \$800,000



Background

The Modified Upper Reach Reliability Project (MURRP) is sited at the base of Glen Anne Canyon, which has a history of landslides because of unstable terrain. The MURRP contains open vents that are vulnerable to landslides. During 1995 a slide engulfed the old South Portal Structure. The hillside was excavated to create additional space for the new South Portal Configuration on the MURRP. Slope stabilization was not addressed as a component of the project. The site has been temporarily protected with concrete road barriers (K-rails), but a more adequate and permanent solution remains necessary.

Need for Project

Existing slope instability has the potential to cover the South Portal Configuration on the Modified Upper Reach Reliability Project, adversely affecting access and causing soil infiltration into the SCC. Multiple professionals have visited the site and concur with the risk identified.

Description

Phase I (Fiscal Year 2018-19): Geotechnical Study/Engineering Design (identify the most economic method to stabilize the slope and protect the asset).

Phase II (Fiscal Year 2019-20): Slope Stabilization and remediation (based on design plan completed in Phase I).

Regulatory Compliance

N/A

Budget & Schedule	Internal Staff Estimate
Fiscal Year	Cost
2018-19 (Phase I)	\$ 50,000
2019-20 (Phase II)	\$750,000
Total	\$800,000