

**Install Second Sump Pump in the Lower Chamber of the North Portal
(2012-2-36)**

Project Ranking
69%

Total Estimated Cost: \$35,000



Background

The bottom of the North Portal chamber contains a sump pump to mitigate the impact of water intrusion into the elevator shaft and upper and lower gate chambers. The sump pump is sited below grade at the bottom of the chamber and effectively removes standing water, acting as a protection against corrosion for all below ground equipment.

Need for Project

Installation of a second sump pump would provide redundancy to the existing sump pump. If the first sump pump fails or is overcome by excess water, the second sump pump would ensure water is pumped out of the chamber.

Description

Contracted electrical services would be retained to install and integrate the new pump into the existing pump control system.

Regulatory Compliance

This is a USBR Category 2 recommendation.

Budget & Schedule

Internal Staff Estimate

Fiscal Year	Cost
2018-19	\$35,000
Total	\$35,000