

Water Reservoir Rehabilitation


Commission Presentation

May 24, 2022

Project Location & Justification



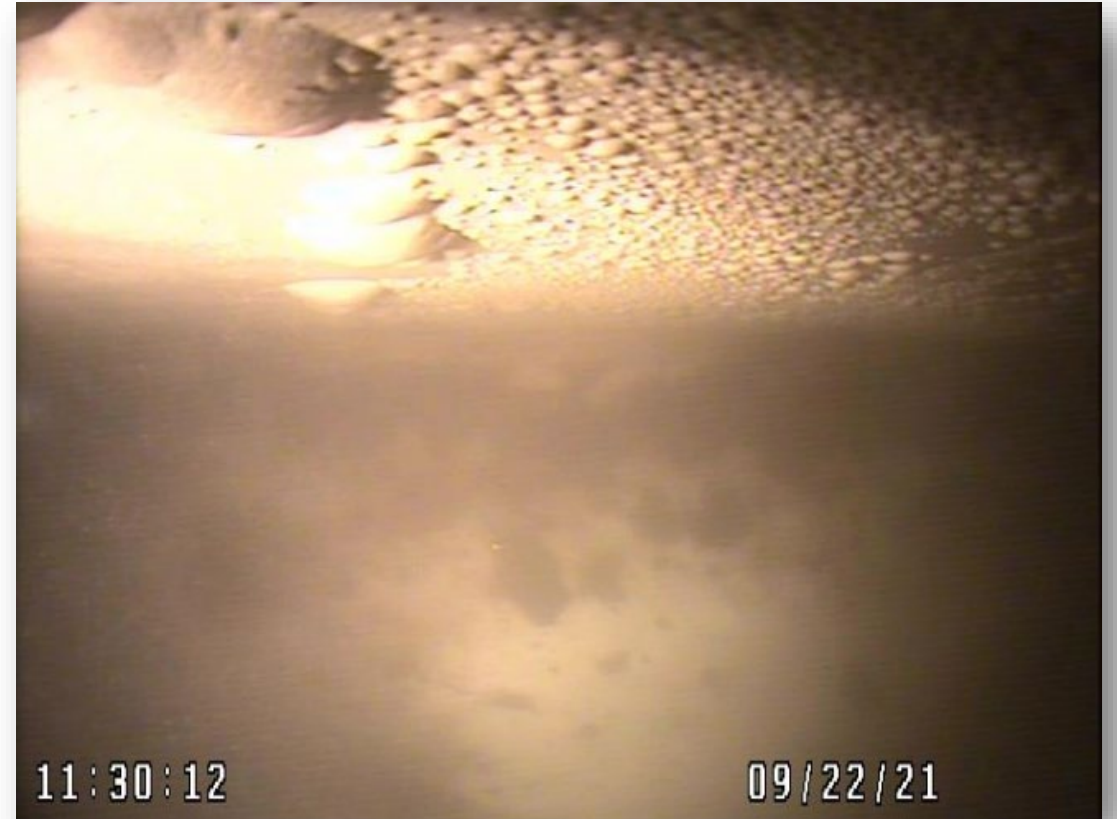
Project Scope

- Replacement of interior and exterior coatings, and several other surfaces
 - Cathodic protection system improvements
 - Rebuild interior and exterior access ladder to meet safety codes
 - Replace hardware including nuts, bolts, cables, and pulleys
 - Install tank sampling ports
 - Valve vault drain line improvements
 - Cleaning/Removing vegetation between the pavement joints and around the perimeter of the concrete foundation
 - Repairing broken concrete curb around the base of the water reservoir
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Existing Conditions



Significant rust on interior tank surfaces



Bubbling/failing of interior coating

Existing Conditions



Significant rust on interior tank surfaces

Existing Conditions



Cap Vent
Moderate rust needs removal



Telemetry boxes
Deteriorated coating

Existing Conditions



Access Manway

Rusted nuts & bolts need replacement



Outlet Pipe

Deteriorating coating, rusted nuts & bolts

Existing Conditions



Vegetation around perimeter of reservoir



Damaged concrete curb

Risks

● = High ● = Medium ● = Low

Risk	Impact	Probability	Mitigation Plan
Application of reservoir coatings may be time sensitive	●	●	Work with the design team to understand the proper weather conditions the coatings should be applied in and phase the work accordingly.
Encountering lead or asbestos containing materials	●	●	Conduct a Good Faith Survey
Labor and material shortages, and supply chain issues as a result of COVID-19	●	●	Work with design team to anticipate any long lead items

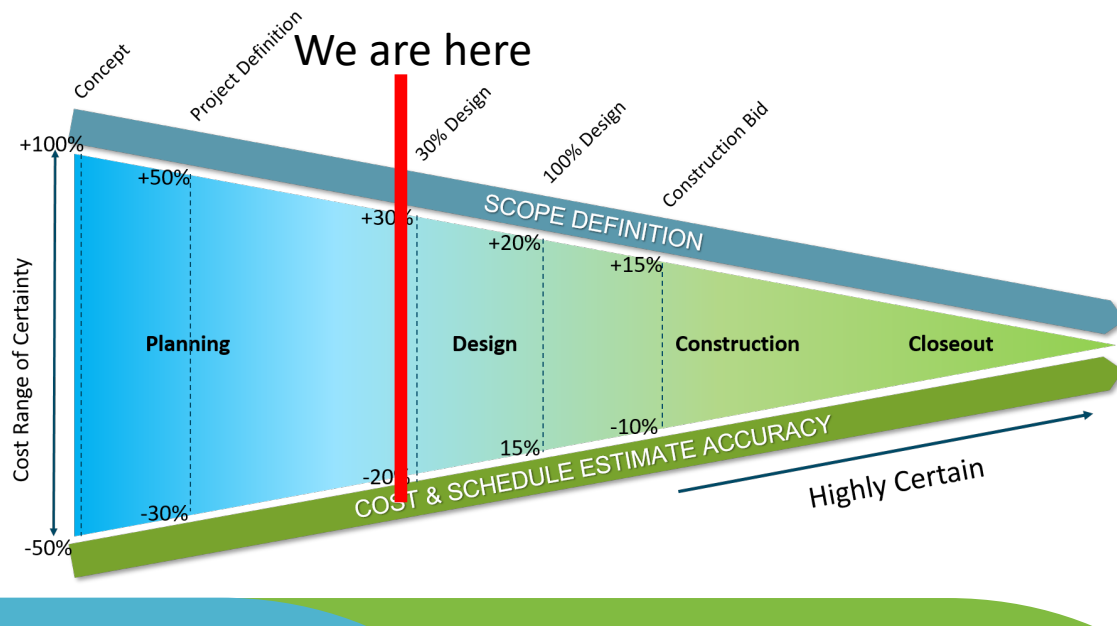
Project Cost and Schedule

Cost Breakdown

This Request

Total Project

Design Phase	\$1,000,000	\$1,150,000
Construction Phase	\$0	\$2,019,000
Total Project	\$1,000,000	\$3,169,000



Schedule

Design Start Q2, 2022

Construction Start: Q4, 2023

Project in Use: Q3 2024