



Project Summary

Project Number:	2299WS1706
Title:	Watermain Replacement - Slott Pk Ct
Project Type:	D - Capital Improvement - Existing Facilities
Division:	21 - Supply & Distribution
Budget Year:	2022
Finance Option:	
Asset Type:	DI - Distribution Infrastructure
Active:	Yes

Project Description

This project is a continuation of the multi-year program to replace 1960's era thin-wall steel water mains and other deficient water mains. This project will replace the water main on Slott Peak, a Cul de Sac on the western end of Lakeshore Blvd. Replacement criteria is twofold: Replace those water mains with the most leaks and in streets with aging pavement. Since our water loss is now less than 6%, our main objective is to work closely with the Washoe County Road Department to replace water mains just prior to the County's repaving the street. We also work closely with the North Lake Tahoe Fire Protection District to determine areas of low fire flow, which may indicate a need for increased capacity in that area. There are approximately 6 miles of old steel water mains remaining in the system. The project may also include water system improvements to address other known deficiencies in the water distribution system.

Our watermain replacement strategy involves meeting with Washoe County prior to each budget year and jointly agreeing on streets to be paved and watermains to be replaced. This project budgets to replace approx. 6 miles of pipeline in 15 years at \$1,500,000 per mile. Without additional escalators, that is \$9,000,000 in 15 years or \$600,000 per year. Adjustments have been made to allow for the trend of a high year then a low year of work scheduled.

Project Internal Staff

Engineering will perform Design, Engineering, Bidding, Contract Administration and Inspection tasks. Outside contractor to do the work. IVGID resources remain available for ongoing maintenance activities and emergency response.

Project Justification

Our overall goal is to replace deficient watermains to keep our unaccounted for water loss to under 6% and to avoid costly pavement patch penalties imposed by Washoe County. The original watermains installed in much of Incline Village in the 1960's were thin-walled steel. These pipes are now failing repeatedly and need replacement. Washoe County has high pavement penalty costs for replacing watermains in newly paved streets. Replacing watermains in newly paved streets or streets with an excellent pavement condition could increase project costs by up to 50% due to pavement cut penalties.

Forecast			
Budget Year	Total Expense	Total Revenue	Difference
2022			
Construction	200,000	0	200,000
Construction Management Inspection & Testing	25,000	0	25,000
Construction Reserves	20,000	0	20,000
Washoe Co Street Repair and Penalties	35,000	0	35,000
Year Total	280,000	0	280,000
	280,000	0	280,000

Year Identified	Start Date	Est. Completion Date	Manager	Project Partner
2017	Nov 2, 2020	Jun 30, 2022	Senior Engineer	