FY2017-2023 Capital Investment Program

D-106 Lower Coal Creek Flood Hazard Reduction Phase 1

Category: **Storm Drainage**
Department: **Utilities**
Status: **Approved and Begun**
Location **Storm and Sewer Service Area**

Programmed Expenditures

Programmed Expenditures	Appropriated To Date	FY 2017 Budget	FY 2018 Budget	FY 2019 Budget	FY 2020 Budget	FY 2021 Budget	FY 2022 Budget	FY 2023 Budget
8,687,889	1,366,889	2,515,000	2,475,000	2,311,000	10,000	10,000	-	-

Description and Scope

This project will design and construct project(s) to reduce flooding from the Newport Shores reach of Coal Creek, located between I-405 and Lake Washington. A preliminary engineering study to identify and assess alternatives is underway, to establish how best to reduce flooding during storm events. The project budget includes one or more of the following: increased storage capacity at the I-405 regional pond, replacement of the five existing culverts downstream of the pond, targeted stream bank erosion protection, and improvements to the local storm drainage network. The schedule has been revised to reflect design in 2015-16; permitting in 2016-17, and construction of improvements between 2018 and 2020.

Rationale

This project along with others in this proposal open salmon access to existing functional habitat, one of the quickest methods to increase salmon populations; helps stabilize streams and improve habitat consistent with Council-approved Lake Washington / Cedar / Sammamish Chinook Salmon Recovery Plan; improves water quality that limits fish viability; protects properties from flooding of structures, flooding which restricts access to residences or businesses, and street flooding that impacts primary emergency routes; restores streams for recreation and environmental health in the redeveloping Bel-Red Corridor; and reduce the potential for sewage overflow to surface water bodies.

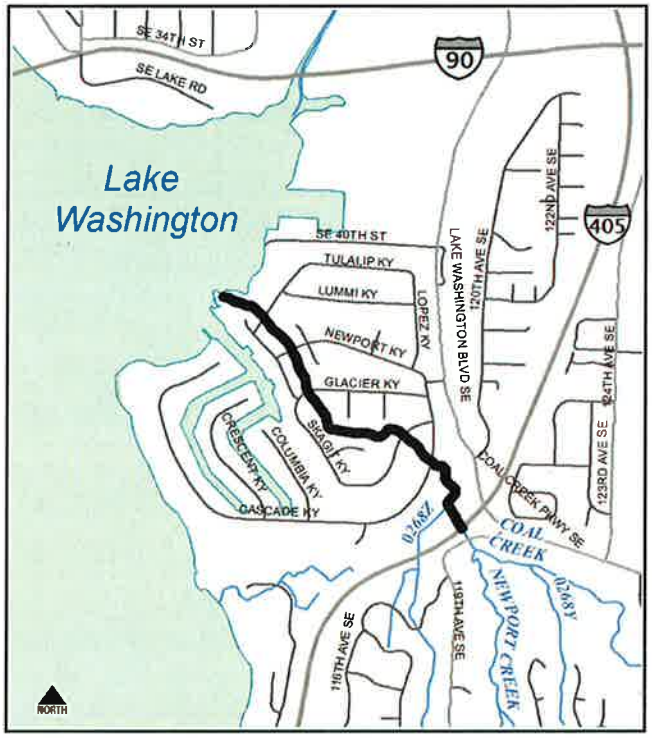
Environmental Impacts

The long term environmental impacts of each program/project are positive in that they improve or protect stream health and habitat, or eliminate environmental damage caused by flooding. Projects may increase the potential for erosion or siltation during construction. Appropriate environmental review (SEPA) and permits (Critical Areas, Hydraulic Project Approval, US Army Corps) are required for most projects.

Operating Budget Impacts

There will be ongoing M&O costs for completed culvert/bridge projects impacting the Transportation Department and the Utilities Department for bi-annual inspections, maintenance paving and minor repair work but these costs have not yet been quantified due to the recent addition of these types of assets to the Utilities department.

Project Map



Schedule of Activities

Project Activities	From - To	Amount
Project Costs	2013 - 2021	8,687,889
Total Budgetary Cost Estimate:		8,687,889

Means of Financing

Funding Source	Amount
Interlocal Contributions	8,687,889
Total Programmed Funding:	8,687,889
Future Funding Requirements:	

Comments