

W-16 Small Diameter Water Main Replacement

Category: **High Quality Built & Natural Env** Status: **Ongoing**
 Department: **Utilities** Location: **Water Service Area**

Programmed Expenditures

Programmed Expenditures	Appropriated To Date	FY 2021 Budget	FY 2022 Budget	FY 2023 Budget	FY 2024 Budget	FY 2025 Budget	FY 2026 Budget	FY 2027 Budget
189,686,885	108,396,885	6,320,000	12,820,000	9,860,000	12,680,000	12,730,000	12,770,000	14,110,000

Description and Scope

This program focuses primarily on replacing small diameter asbestos cement (AC) pipe that has reached its useful life. A secondary benefit is increasing the emergency fireflow available to neighborhoods. This investment will ramp up water pipeline replacement to 5 miles/year by 2018, and then be adjusted with inflation to maintain the 5 miles per year replacement rate. At that rate, water pipe will need to last on average 100-125 years. Pipes are selected for replacement based on risk of failure (likelihood and consequence), failure history, and coordination with other construction, such as planned street overlays (which reduce restoration costs). Project costs include a 2.8 percent cost increase reflecting actual bid experience for pipe replacement.

Rationale

In the short term, this program reduces the likelihood of catastrophic system failures, unplanned service interruptions, damage claims to the city, and sharp rate increases to react to system failures rather than proactively managing the system. In the long term, timely replacement or repair of water system assets keeps customer rates as low as practical by managing the system at the least life-cycle cost while maintaining target service levels and meeting regulatory requirements.

Environmental Impacts

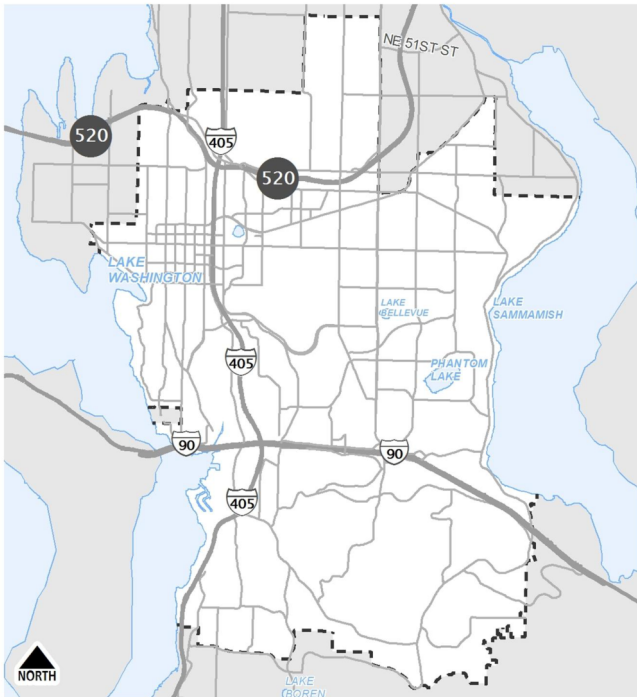
This program will have no significant impact on operating revenues and/or expenditures.

Operating Budget Impacts

Estimated Annual M&O Costs: 0

Project Map

Schedule of Activities



Project Activities	From - To	Amount
Project Costs	Ongoing	189,686,885

Total Budgetary Cost Estimate: 189,686,885

Means of Financing

Funding Source	Amount
Utility Rates/Fees	189,686,885

Total Programmed Funding: 189,686,885
Future Funding Requirements: 0

Comments

FY2021-2027 Capital Investment Program

D-94 Flood Control Program

Category: **High Quality Built & Natural Env** Status: **Ongoing**
 Department: **Utilities** Location: **Storm and Sewer Service Area**

Programmed Expenditures

Programmed Expenditures	Appropriated To Date	FY 2021 Budget	FY 2022 Budget	FY 2023 Budget	FY 2024 Budget	FY 2025 Budget	FY 2026 Budget	FY 2027 Budget
22,340,973	12,850,973	2,950,000	2,450,000	2,070,000	520,000	500,000	500,000	500,000

Description and Scope

This ongoing program constructs improvements to reduce or eliminate flooding caused by insufficient public drainage system capacity. Projects involve enlarging pipes or culverts to convey more stormwater, re-routing drainage to pipes with more capacity, adding detention or infiltration facilities, or other runoff control strategies. Candidate sites are wherever levels of service (LOS) for flood protection are not met. The following sites have projects in progress or have been identified for future improvements, and are presented in priority order. They will be prioritized for implementation with any others that become apparent as a result of storm or system analysis: 1. Valley Creek / NE 21st Flood control (in progress); 2. Post construction monitoring on Coal Creek Upper Reach; 3. Factoria Boulevard Conveyance Improvements; 4. Meydenbauer Basin / CBD Conveyance Improvements; 5. Wolverine Drive Flood Control Project; 6. North Sammamish Flood Improvements; 7. Overlake Overflow / NE 20th Street Improvements. Lower Coal Creek Sed. Pond, Sunset / SE 30th St Flood Control; 8. Sunset Creek / Garden Brook; 9. 156th Ave SE & SE 4th St. Storm Drainage Improvements; 10. Phantom / Larson Lake Channel Regrade. The SE Newport Way Culvert Replacement Project previously on this list has been deleted. King County completed repairs at the site prior to Bellevue's annexation of the area. Kelsey Creek/SE 7th Street Flood Control was also removed from the list. Field investigation suggests that enhanced maintenance at that site may result in significant improvement. If further channel or culvert work is needed, it will be considered for addition to the project list during a future CIP update.

Rationale

This program 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.

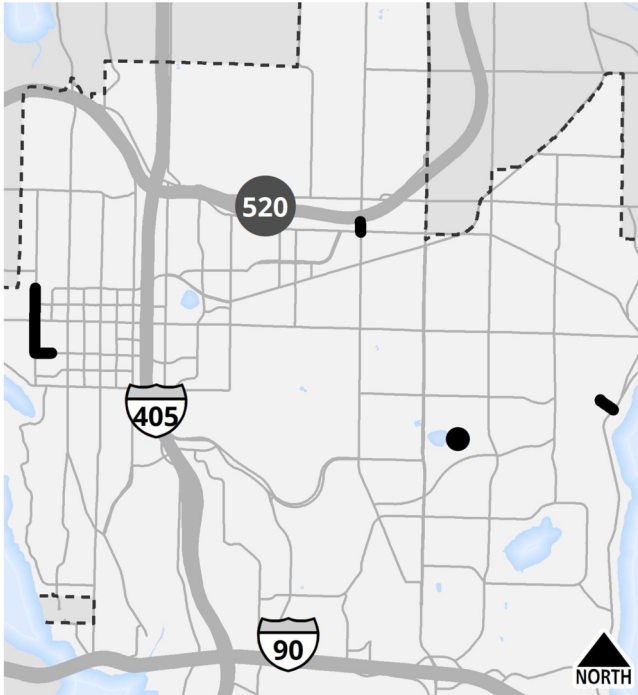
Environmental Impacts

This program will have no significant impact on operating revenues and/or expenditures.

Operating Budget Impacts

Estimated Annual M&O Costs: 0

Project Map



Schedule of Activities

Project Activities	From - To	Amount
Project Costs	Ongoing	22,340,973

Total Budgetary Cost Estimate: 22,340,973

Means of Financing

Funding Source	Amount
Interlocal Contributions	5,449,000
Utility Rates/Fees	16,891,973

Total Programmed Funding: 22,340,973
Future Funding Requirements: 0

Comments