

D-64 Storm System Conveyance Repairs and Replacement

Category: Storm Drainage

Status: Ongoing

Department: Utilities

Location: Various locations throughout the City

Programmed Expenditures

Programmed Expenditures	Appropriated To Date	FY 2015 Budget	FY 2016 Budget	FY 2017 Budget	FY 2018 Budget	FY 2019 Budget	FY 2020 Budget	FY 2021 Budget
19,862,231	12,021,231	937,000	963,000	1,031,000	1,104,000	1,184,000	1,266,000	1,356,000

Description and Scope

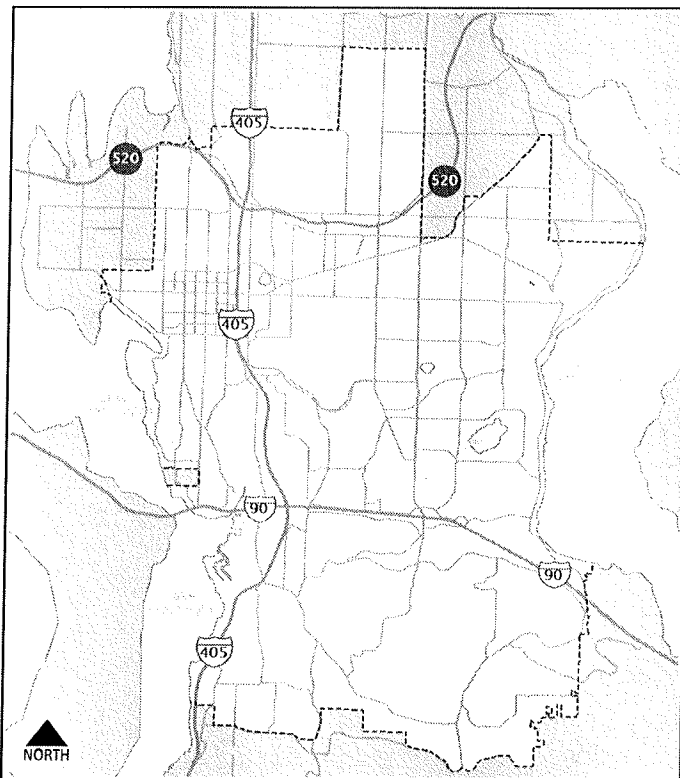
This ongoing program repairs defective storm drainage pipelines, culverts and ditches identified in the Utility's condition assessment program or other means. Projects are prioritized based on the severity of deterioration, the risk and consequence of failure, and coordination with planned street improvement projects. As the system ages, costs are expected to increase. The Utilities' Asset Management Program is evaluating when system replacement will require significant increases to the budget.

Rationale

Much of the storm pipe network was built before pipe material and construction standards were in place, so there is only limited information about when pipes were installed, their size and composition. Bellevue owns almost 400 miles of stormwater conveyance pipe, with limited information available to predict how long it will last. Of particular concern is corrugated metal pipe, which can completely corrode away in as little as 20 years. Pipe collapse or blockage can result in washed-out roads, flooded homes, environmental damage, and traffic disruption. This program provides for repair or replacement of defective stormwater conveyance pipes, culverts and ditches, to prevent such consequences. It proactively repairs pipes under arterials in advance of street resurfacing, saving costs and minimizing disruption. It also focuses on critical pipes where the consequences of failure would be significant. Funding is proposed to increase by 5% per year (over inflation) starting in 2017, to accommodate anticipated increase in defects discovered after the video inspection program (D-107) increases.

Environmental Impacts

The environmental impacts will be determined for each specific project, but are usually minor.

Operating Budget Impacts**Project Map****Schedule of Activities**

Project Activities	From - To	Amount
Project Costs	1995 - 2021	19,862,231

Total Budgetary Cost Estimate: 19,862,231

Means of Financing

Funding Source	Amount
Judgements/Settlements	33,000
Miscellaneous Revenue	680,000
Utility Rates/Fees	19,149,231

Total Programmed Funding: 19,862,231

Future Funding Requirements:

Comments