

## FY2017-2023 Capital Investment Program

**D-105 Replace NE 8th St Culvert at Kelsey Creek**

Category: **Storm Drainage**  
 Department: **Utilities**

Status: **Approved and Begun**  
 Location: **Storm 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
3,895,000	336,000	733,000	2,778,000	16,000	8,000	8,000	8,000	8,000

## Description and Scope

This project will replace the existing 10' wide by 7' tall, 110-foot long corrugated metal culvert built in the early 1980s that carries Kelsey Creek beneath NE 8th Street. To meet flood and fish passage requirements, the culvert will be replaced with a bridge which spans the creek channel, or a three-sided concrete box culvert with an approximate 15 foot span. The design will be determined by permit requirements.

## Rationale

Storm infrastructure rehabilitation and replacement is based on asset criticality and business risk, per industry best practices. In the short term, this project reduces the likelihood of catastrophic system failures; traffic disruption due to failed culverts under streets; damage claims to the city; and utility rate spikes to respond to system failures rather than proactively managing the system. In the long term, timely replacement or repair of stormwater facilities keeps customer rates as low as practical by managing the system at the lowest life-cycle cost, while maintaining service levels and meeting regulatory requirements.

## Environmental Impacts

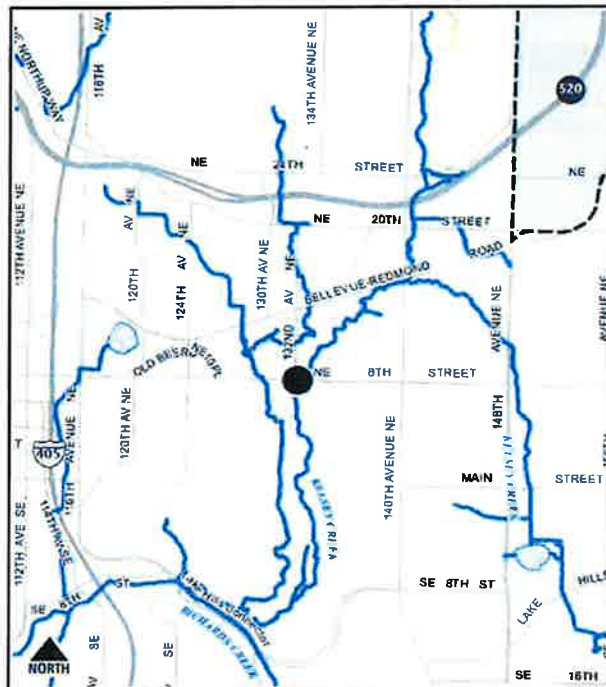
A reliable stormwater system controls stormwater runoff to minimize flood and erosion damage to public and private property and the environment.

## 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.

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## Project Map



## Schedule of Activities

Project Activities	From - To	Amount
Project Costs	2014 - 2023	3,895,000

**Total Budgetary Cost Estimate:** 3,895,000

## Means of Financing

Funding Source	Amount
Utility Rates/Fees	3,895,000

**Total Programmed Funding:** 3,895,000  
**Future Funding Requirements:**

## Comments