

# 9th Ave E - Superior St to 10th St E Watermain Replacement

# 22P.7

Priority Score: **67.50**

Project Type: New Asset

Growth Related?: Partial

Estimated Useful Life (years): 100

Priority Level: High

Department: Public Works and Engineering

Staff Contact: Chris Webb

Cash Flow Projection:	2022	2023	2024+
Studies			
In House Engineering	\$ 10,000	\$ 10,000	\$ 20,000
Design or Engineering	\$ 190,000	\$ 50,000	\$ 120,000
Communication / Signage			
Construction / Contractor		\$ 940,000	\$ 1,920,000
Materials			
Equipment/Misc			
Contingency			
Total	\$ 200,000	\$ 1,000,000	\$ 2,060,000

## Costs Incurred to 2021 Year End

Impact on Operating Budget \$ 0 \$ 0

**Total Project Budget: \$ 3,260,000**

## Schedule:

Construction Start Date: 06/01/2023

Substantial Completion or  
purchase date: 12/31/2023

## Funding Sources:

Water Rates	\$ 1,000,000
Please Select	\$ 0
Please Select	\$ 0
Please Select	\$ 0
Please Select	\$ 0
Capital Reserve	\$ 0

## Description and Rationale:

The budget in 2022 is for Consulting Engineer services to design and inspect the project anticipated to be constructed in two phases over 2023 & 2024. The second phase timing would be coordinated with successful application for Connecting Link funding.

This project involves replacing or constructing new City infrastructure along with rehabilitating the 9th Ave E (Highway 6/10) road. The primary focus of the project is to improve municipal water security of supply to part of the East Hill and all of the East Hill Reduced Pressure Zones by constructing a new East Hill Pressure Zone "looping" watermain first, followed by replacing the existing watermain on 9th Avenue East.

This project's intended scope is as follows:

- Construct a new looping watermain from 8th St E to Superior St in a proposed alignment that includes an existing City owned right-of-way
- Replace the existing municipal watermain from just south of 10th St E to Superior St
- Construct a new sidewalk on the west side of 9th Ave E from 6th St E to 8th St E
- Replace approximately 138m of deficient sanitary sewer on 9th Ave E
- Rehabilitate the road on 9th Ave E and repair or replace any storm water infrastructure

PLEASE NOTE: Budget estimate costs in 2023/2024 include watermain and sanitary sewer only. The scope of road rehabilitation/reconstruction, sidewalk construction and storm water works is subject to assessment and review but 90% Connecting Link grant funding on projects up to \$3M may be available.



## Justification for Matrix Values

## Score 0 - 5

## Justification / Rationale for Rating

People	How many people will be directly impacted by the project?	4	Project benefits many road users, significant number of water customers. This is the basis of the number of people affected.
Health and Safety	What is the risk to the health and safety of the public or Staff if the project does not proceed?	4	Road is in poor condition and City infrastructure has reached the end of its useful life. Pressure loss could be experienced in part water distribution system
Legislation	Is the project required for legislative/regulatory compliance?	4	Project completion ensures the City is in compliance with legislation for minimum maintenance standards for roads and watermains
Asset Management	Is the project a high priority for replacement in the asset management plan.	4	This section of road has multiple assets with poor condition ratings with significant impacts if it was to fail.
Operational Performance	If the project proceeds (or fails to proceed), what will be the impact on operational performance? Comment on any impact on operating costs, staff time and maintenance.	4	Major improvements to operational performance would be achieved with the completion of this project due to replacing the water main and resurfacing the road. Financial savings will be achieved one project is completed. Watermain breaks and road repairs/patching will be avoided.
Financing	Can the cost of investment be leveraged or are there partnership funds available?	1	Funding for the road aspect of the rehabilitation would be covered by Connecting Link funding.
Environment	Does the project address needs impacted by climate change?	2	Minor impact will be realized from this project by improving storm water and improving road surface (better fuel efficiency).
Socio-Economic Factors	To what degree does the project support diversity and inclusion Initiatives?	2	This project would maintain existing public space
Strategic Plan	Does the project help to meet a Key Result in the Strategic Plan?	3	Improving road condition has been identified in the Strategic Plan
Public Input	Has the project been identified through public engagement?	2	This project has mentioned through public engagement