



Meeting 2021 May 19

## COMMITTEE REPORT

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**TO:** CHAIR AND MEMBERS FINANCIAL MANAGEMENT COMMITTEE **DATE:** 2021 May 04

**FROM:** DIRECTOR ENGINEERING **FILE:** 32000-05

**SUBJECT:** **2021 MAY ENGINEERING CAPITAL INFRASTRUCTURE BYLAW FUNDING REQUEST**

**PURPOSE:** To request the use of Waterworks Utility and Sanitary Sewer Fund Reserves and to request a Capital Reserve Fund Bylaw to finance 2021 - 2023 Engineering capital infrastructure projects.

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### RECOMMENDATION:

1. **THAT** the Financial Management Committee recommend Council authorize the City Solicitor to bring forward a Capital Reserve Fund Bylaw in the amount of \$6,623,000, the use of the Sanitary Sewer Fund Capital Reserve in the amount of \$150,000 and the use of the Waterworks Utility Capital Reserve in the amount of \$150,000 to finance Engineering capital infrastructure improvement projects, as outlined in this report.

## REPORT

### INTRODUCTION

The 2021 – 2025 Financial Plan provides funding for various multi-year capital improvement projects. In order to proceed with design and construction, funding approval is requested for the projects listed below.

### POLICY SECTION

The following projects are aligned with the City of Burnaby's Corporate Strategic Plan by supporting the following goals and sub-goals of the Plan.

#### Goal

- A Safe Community
  - Transportation safety –  
Make City streets, pathways, trails and sidewalks safer.

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- A Dynamic Community
  - City Facilities and infrastructure –  
Build and maintain infrastructure that meets the needs of our growing community.
- A Thriving Organization
  - Reliable services, technology and information –  
Protect the integrity and security of City information, services and assets.

## **1.0 Infrastructure**

### **1.1 Sidewalks and Full Road Upgrades**

**Estimated \$6,623,000**

This project started design in 2020 for streets identified as part of the overall sidewalk expansion program that staff also identified as requiring full road upgrades. Due to this additional scope, design efforts will include utilities, curb and gutter, streetlights, curb bulges, IT conduit, and road paving on top of sidewalk installation.

On 2019 June 24, Council instructed staff to accelerate net new sidewalk construction at a value of \$10 Million per year. Boulevard trees would also be replaced and added as necessary, in order to complete the public realm.

The scope of work involves 2021 construction of sidewalks and road upgrades at 11 locations, with some streets requiring curb bulges, street lighting and IT conduit installation.

Included in Appendix A is a detailed list of proposed locations.

<b>Project Mask</b>	<b><u>2021</u></b>	<b><u>2022</u></b>	<b><u>2023</u></b>	<b><u>Total</u></b>
AEC.3191 – Conduit	\$60,000	\$500,000	-	\$560,000
ELA.3191 – Drainage	\$200,000	\$363,000	-	\$563,000
EMC.3191 – Roads	-	\$3,000,000	\$2,500,000	\$5,500,000
<b>Total</b>	<b>\$260,000</b>	<b>\$3,863,000</b>	<b>\$2,500,000</b>	<b>\$6,623,000</b>

### **1.2 Water and Sewer Pump Station Upgrades**

**Estimated \$300,000**

This project is to upgrade and standardize the City's Supervisory Control and Data Acquisition (SCADA) system for water, sanitary, and drainage assets that require SCADA. This project also includes new radio equipment to use the licensed radio channels which requires coordination effort between Engineering and IT.

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Funding of \$100,000 was raised during the January 2021 FMC meeting to begin preliminary work and assessment. An additional \$300,000 is being requested in order to award the contract for completing the North SCADA stations for programming and commissioning, establishing new access points at Metro Tower 1 and Burnaby Mountain.

<b>Project Mask(s)</b>	<b><u>2022</u></b>
EKA.3010 - Sewer	\$150,000
EJA.3010 – Water	\$150,000
<b>Total</b>	<b>\$300,000</b>

These expenditures are included in the 2021 – 2025 Financial Plan and sufficient Capital Reserves and Reserve Funds are available to finance the capital projects outlined in this report.

## RECOMMENDATION

It is recommended that the Financial Management Committee recommend Council authorize the City Solicitor to bring forward a Capital Reserve Fund Bylaw in the amount of \$6,623,000, the use of the Sanitary Sewer Fund Capital Reserve in the amount of \$150,000 and the use of the Waterworks Utility Capital Reserve in the amount of \$150,000 to finance Engineering capital infrastructure improvement projects, as outlined in this report.



Leon A. Gous, P.Eng., MBA  
DIRECTOR ENGINEERING

AA/RS/ac

Copied to: Acting City Manager  
Director Finance  
City Solicitor  
Deputy Director Engineering  
Assistant Director Infrastructure & Development  
Manager, Engineering Projects

## Appendix A

### Project: Sidewalks and Full Road Upgrades (Section 1.1)

Final locations are dependent on results of public consultations. Construction is being planned at the following locations:

Item	Location	Length (metres)
1	Humphries Avenue, Edmonds Street to 16th Avenue	330
2	Thurston Street, Smith Avenue to mid-block west	110
3	Thurston Street, Smith Avenue to Inman Avenue	280
4	12th Avenue, 2nd Street to Cumberland Street	860
5	Berkley Street, Canada Way to 6th Street	340
6	Stanley Street, Walker Avenue to Liebly Avenue	100
7	Stanley Street, Lakeview Avenue to Sperling Avenue	315
8	Gilpin Street, Inman Avenue to Patterson Avenue	150
9	Aubrey Street, Sperling Avenue to Cliff Avenue	390
10	Macdonald Avenue, William Street to Parker Street	190
11	Curragh Avenue, Neville Street to Clinton Street	91