

**TO:** CHAIR AND MEMBERS FINANCIAL  
MANAGEMENT COMMITTEE

**DATE:** 2020 April 27

**FROM:** DIRECTOR ENGINEERING

**FILE:** 32000-05

**SUBJECT: 2020 MAY ENGINEERING CAPITAL INFRASTRUCTURE BYLAW  
FUNDING REQUEST**

**PURPOSE:** To request the use of Waterworks Utility Capital Reserves and to request a Capital Reserve Fund Bylaw to finance 2020 - 2024 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 \$680,000, and the use of Waterworks Utility Capital Reserve in the amount of \$400,000 to finance Engineering capital infrastructure improvement projects, as outlined in this report.

### **REPORT**

#### **INTRODUCTION**

The 2020 – 2024 Financial Plan provide funding for various multi-year capital improvement projects. In order to proceed with design, contract administration and construction, funding approval is requested for the projects listed below.

#### **POLICY SECTION**

The following project is 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 Burnaby Mountain Booster Upgrade**

**Estimated \$480,000**

This project consists of upgrades to the existing Burnaby Mountain Booster located in Forest Grove Park to accommodate increased demand from growth and development on Burnaby Mountain. Upgrades to the existing station are anticipated to include design and installation of a new pump, motor, associated piping, controls, communications and re-programming. The existing tower reservoir supplies fire flow for Burnaby Mountain, with minimal reserve or emergency capacity for other purposes, and does not meet recommendations under the City's current design criteria.

Tender has closed on this project and funding is being requested to facilitate the award for construction in May.

<b>Project Mask(s)</b>	<b>2020</b>	<b>2021</b>
AEC.3167 – Conduit	\$80,000	-
EJA.3167 – Water	-	\$400,000
<b>Total</b>	<b>\$80,000</b>	<b>\$400,000</b>

### **1.2 Ridge Shellmont Burnaby Mountain Parkway North Road Improvements**

**Estimated \$100,000**

This project consists of numerous road rehabilitation and trail improvements at various locations. Funding in the amount of \$2,940,100 has been previously approved by Council in prior years for this project. The final stage of work is to complete a 4.0m wide multi-use trail at Burnaby Mountain Parkway and minor paving and drainage works.

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This project is currently in construction phase, and the scope of work has been updated to include additional culvert work that has been identified as required. Additional funding is being requested to complete this work.

<b>Project Mask(s)</b>	<b><u>2020</u></b>
ELA.3173	\$100,000

### **1.3 Storm Extensions 2020B Winter Package**

**Estimated \$500,000**

This project involves development coordinated works related to storm sewer extensions (see *Storm Sewer Extension Contribution and Fee Bylaw*), and associated road repair and upgrades if applicable. Long term, costs are fully recovered by initiating and benefiting property owners.

<b>Construction is currently being planned for the following addresses:</b>	
4990 Lorraine Avenue	4130 Irmin Street
4152 Parker Street	3676 Kalyk Avenue
6107 Dickens Street	
5680 Ewart Street	

Funding is being requested to award the design & contract administration in June 2020. Additional funding will be requested to proceed with construction later in 2020.

<b>Project Mask(s)</b>	<b><u>2020</u></b>	<b><u>2021</u></b>	<b><u>Total</u></b>
ELA.3180 - Drainage	\$100,000	\$400,000	\$500,000

These expenditures are included in the 2020 – 2024 Financial Plan and sufficient Capital Reserves & Reserve Funds are available to finance the capital projects outlined in this report.

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## **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 \$680,000, and the use of Waterworks Utility Capital Reserve in the amount of \$400,000 to finance Engineering capital infrastructure improvement projects, as outlined in this report.



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

JM/RS/ac

Copied to: Director Finance  
City Solicitor  
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