

FINANCIAL MANAGEMENT COMMITTEE

*HIS WORSHIP, THE MAYOR
AND COUNCILLORS*

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

RECOMMENDATION:

1. THAT Council authorize the City Solicitor to bring forward a Capital Reserve Fund Bylaw in the amount of \$827,800, the use of Sanitary Sewer Capital Reserves in the amount of \$475,700, and the use of Waterworks Utility Capital Reserves in the amount of \$421,500 to finance Engineering capital infrastructure improvement projects, as outlined in the report.

REPORT

The Financial Management Committee, at its meeting held on 2020 April 22, received and adopted the attached report seeking Council authorization for a Capital Reserve Fund Bylaw to finance 2020 - 2024 Engineering capital infrastructure projects.

Respectfully submitted,

Mayor M. Hurley
Chair

Councillor S. Dhaliwal
Vice Chair

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

TO: CHAIR AND MEMBERS FINANCIAL MANAGEMENT COMMITTEE **DATE:** 2020 April 08

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

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

PURPOSE: To request the use of Waterworks Utility and Sanitary Sewer Reserves and to request a Capital Reserve Fund Bylaw to finance 2020 - 2024 Engineering capital infrastructure projects.

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 \$827,800, the use of Sanitary Sewer Capital Reserves in the amount of \$475,700 and the use of Waterworks Utility Capital Reserves in the amount of \$421,500 to finance Engineering capital infrastructure improvement projects, as outlined in this report.

REPORT**INTRODUCTION**

The 2020 – 2024 Provisional Financial Plan provides funding for various multi-year capital improvement projects. In order to proceed with 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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From: Director Engineering
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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 Developer Coordinated Works

Estimated \$827,800

The Burnaby School District is planning to replace Burnaby North Secondary School. To improve pedestrian & cyclist safety and connectivity, the School District and the City are planning to collaborate to upgrade the roads in front of the school on Kensington Avenue, Curtis Street, and Hammarskjold Drive.

This road upgrade project is initiated by the school upgrade, which has created a cost-effective opportunity for the City with an engaged partner to ensure the road upgrades are coordinated and the neighbourhood receives significant benefit with reduced overall disruption.

The anticipated changes and upgrades to the City's road network on Kensington Avenue and Hammarskjold Drive aligns with the interim street upgrade strategy, sidewalk expansion program, and the new Transportation Plan. Specific project improvements include:

- New urban multi-use trail on Kensington Avenue, Hammarskjold Drive, and Curtis Street
- New sidewalk on east side of Kensington Avenue & north side of Hammarskjold Drive
- Boulevards with new trees on Kensington Avenue & Hammarskjold Drive, separating vehicles from pedestrians and cyclists
- Additional street and pedestrian lighting
- On-street parking changes on Kensington Avenue & Hammarskjold Drive to improve safety
- New Kensington Avenue/ Union Street / Hammarskjold Drive intersection, including closure of right turn (Kensington Avenue to Union Street) to improve cyclist and pedestrian safety and connectivity

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- Improved connectivity of Union Street / Frances Street bike route
- Kensington Avenue / Curtis Street intersection upgrades

\$325,000 of funding was previously approved in the 2020 February Engineering Capital Infrastructure Bylaw Funding Request to enable staff to review design and servicing requirements for development. Additional funding is being requested to facilitate the award for construction scheduled to begin in summer 2020.

Project Mask(s)	2020	2021	Total
EMC.8003	\$502,800	\$325,000	\$827,800

1.2 Water and Sewer Pump Station Upgrades

Estimated \$897,200

This project is to upgrade and standardize the City’s SCADA system for water, sanitary, and drainage assets that require SCADA. This project also includes a licensed radio channel which requires coordination between the Engineering and IT Departments. Included in the project scope are upgrades or replacements for all water and sewer station remote terminal units (RTU’s) and programmable logic controllers (PLC’s), to ensure that this critical infrastructure continues operating reliably. RTU’s and PLC’s allow the City to automate station controls and to monitor and operate the stations remotely.

The water and pump station control upgrade project started in 2017, and this funding will enable completion of all of the upgrades for stations in north Burnaby in 2020. Stations in south Burnaby are anticipated to be completed in 2021, and additional funding will be requested later for this future and final phase.

Project Mask(s)	2020
EJA.3010 – Water	\$421,500
EKA.3010 – Sewer	\$475,700
Total	\$897,200

These expenditures are included in the 2020 – 2024 Provisional 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 \$827,800, the use of Sanitary Sewer Capital Reserves in the amount of \$475,700 and the use of Waterworks Utility Capital Reserves in the amount of \$421,500 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: City Manager
Director Finance
City Solicitor
Deputy Director Engineering
Assistant Director Infrastructure & Development
Manager, Engineering Projects