

TO: CHAIR AND MEMBERS FINANCIAL MANAGEMENT COMMITTEE **DATE:** 2019 December 30

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

SUBJECT: 2020 JANUARY ENGINEERING CAPITAL TRANSPORTATION BYLAW FUNDING REQUEST

PURPOSE: To request a Capital Reserve Fund Bylaw to finance 2020 - 2024 Engineering capital transportation projects.

RECOMMENDATION:

1. **THAT** the Financial Management Committee recommend Council authorize the City Solicitor to bring forward a Capital Reserves Fund Bylaw in the amount of \$1,650,000 to finance Engineering capital transportation improvement projects, as outlined in this report.

REPORT**INTRODUCTION**

The 2020 – 2024 Provisional Financial Plan will provide funding for various multi-year capital improvement projects. Upon approval of this funding request by Council, these expenditures will be included in the 2020 – 2024 Financial Plan (Engineering Section). In order to proceed with the award of contracts for design, contract administration and construction, funding approval is requested for the projects listed below. This report is to seek Council approval of fund allocation for Engineering projects in advance of Council adoption of the 2020 - 2024 financial plan.

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. Transportation

1.0 Streetlight Service Panels **EMH.0021** **estimated \$100,000**

This program replaces aging streetlight service panels to maintain safe and reliable streetlight services. Locations will be determined and prioritized through field surveys. Many will likely need to be refurbished since this asset has not been regularly maintained in the past.

1.1 Traffic Management Centre **EMF.0077** **estimated \$125,000**

This project creates a Traffic Management Centre including field monitoring equipment to collect and assess traffic data, monitor traffic conditions in real time, improve response time to incidents, allow remote adjustment of signal timings, and provide traffic information to the public. Tools, equipment, components, and resources for the Traffic Management Centre will be assessed and implemented over time.

1.2 Streetlight Pole Replacement **estimated \$300,000**

This program replaces streetlight poles along the Major Road Network (MRN) and Local Road Network (LRN) that are beyond their useful life or damaged. This program ensures the poles are structurally sound and may include the replacement of pole bases if required. Streetlight poles in need of replacement have been identified through field surveys. The worst poles will be replaced first by a Contractor.

Project Mask	2020
EMB.0010- MRN	\$150,000
EMH.0026- LRN	\$150,000
TOTAL	\$300,000

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1.3 Parking Meter Equipment EMG.0011 estimated \$175,000

This program funds new or replacement parking meter equipment as required. New installation would generally occur in high demand locations. Replacements would occur where meters are damaged or stolen. Equipment is purchased and installed by City staff.

1.4 Traffic Signal Communications EMF.0088 Estimated \$300,000

This program funds the ongoing replacement of aging communication equipment (e.g. radios) that provides information from all signalized intersections in Burnaby back to City Hall. Reliable communications enable staff to monitor traffic signal operations. Locations are determined based on the age of the equipment or where they have malfunctioned.

1.5 Audible Signals EMF.0089 Estimated \$100,000

This program funds the ongoing replacement of aging audible signals that provide crossing guidance at signalized intersection for people with visual impairments. Locations are determined based on the age of the equipment or where they have malfunctioned.

1.6 Minor Traffic Management Projects EMF.0090 Estimated \$250,000

This program funds a variety of minor traffic management projects to enhance safety or traffic operations. Projects include minor geometric changes at the intersection of Imperial and Royal Oak, curb extensions at Winston and Bainbridge, painted left turn bays at 10th Ave/Canada Way and at 10th Ave/Cumberland, and flashing beacons at several crosswalks.

1.7 Traffic Camera Replacement EMF.0086 estimated \$150,000

This program funds the ongoing replacement of aging traffic signal cameras that become less reliable. They are used to detect vehicles stopped at signalized intersections and to trigger the appropriate traffic signal control changes. Locations are determined primarily on the age of the equipment.

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1.8 Traffic Cabinet Replacement

EMF.0087

Estimated \$150,000

This program funds the ongoing replacement of old traffic signal control equipment and cabinets to maintain reliable traffic signal operations at all times. Locations are determined based on the age of the equipment, where problems were identified during regular maintenance, or when damaged by an errant vehicle. These are now being installed by in-house electricians.

These expenditures will be included in the 2020 – 2024 Provisional Financial Plan and sufficient Capital Reserve Funds are available to finance the capital transportation improvement 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 Reserves Fund Bylaw in the amount of \$1,650,000 to finance Engineering capital transportation improvement projects, as outlined in this report.



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DIRECTOR ENGINEERING

RS/ac

Copied to: City Manager
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