



Item.....
Meeting..... 2019 Jan 22

## COMMITTEE REPORT

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**TO:** CHAIR AND MEMBERS FINANCIAL MANAGEMENT COMMITTEE      **DATE:** 2019 Jan 08

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

**SUBJECT:** 2019 ENGINEERING CAPITAL TRANSPORTATION BYLAW FUNDING REQUEST

**PURPOSE:** To request a Capital Reserve Fund Bylaw to finance 2019 Engineering capital Transportation design and early tender projects.

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### 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 \$5,100,900 to finance Engineering capital Transportation improvement projects, as outlined in this report.

### INTRODUCTION

The 2019 – 2023 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 2019 – 2023 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 2019 Engineering projects in advance of council adoption of the 2019 financial plan. Sufficient Capital Reserves are available to fund the capital projects outlined in this report.

### 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

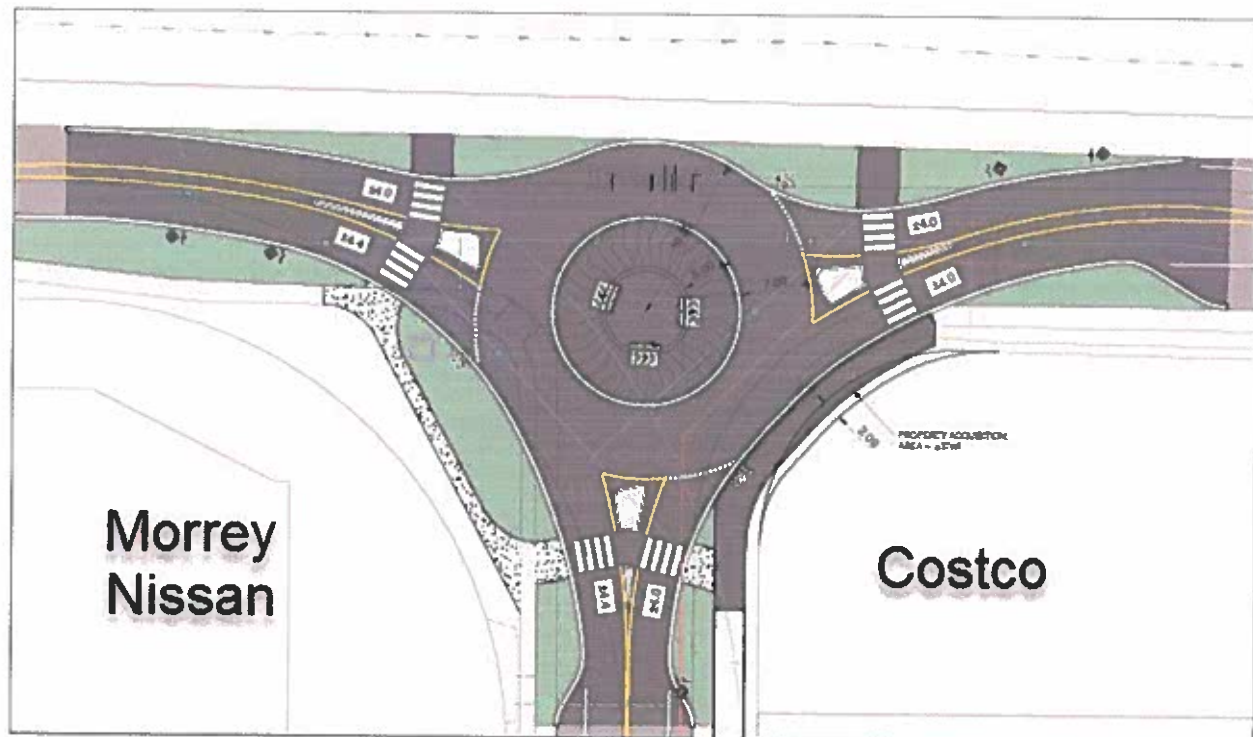
- A Safe Community
  - Transportation safety –  
Make City streets, pathways, trails and sidewalks safer

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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 Transportation

### 1.1 Still Creek and Eastbrook Parkway Roundabout EMF.0072      Estimated \$700,900



This project will construct a roundabout at the intersection of Still Creek and Eastbrook Parkway to replace the existing 3-way stop to improve traffic operations and safety. These expenditures will be included in the Financial Plan and this project is anticipated to be completed in 2019. There is funding available from ICBC. The project will be tendered in January and will be awarded in February.

This request is for 2019 funding in addition to \$600,000 already raised in 2018 to reflect the most recent cost estimate that was developed since the finalization of the design.

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**1.2 Minor Traffic Management Projects      EMF.0079      Estimated \$600,000**

This program funds a variety of traffic management projects to enhance traffic safety and/or operations in response to requests, staff initiatives or opportunities that arise during the year. Projects in 2019 include: 10th Ave/Cariboo Rd east bound left turn lane, curb bulges at Loughheed/Rosser, Rectangular Rapid Flashing Beacon crosswalks at 6 various locations, and Beresford/Antrim pedestrian crosswalk upgrades. The design is in progress and the construction contract will be awarded in January. There is funding available from ICBC. This project is anticipated to be completed in 2019.

**1.3 Major Traffic Management Projects      EMF.0080      Estimated \$2,200,000**

This program funds a variety of traffic management projects to enhance traffic safety and/or operations in response to requests, staff initiatives or opportunities that arise during the year. Major projects in 2019 include: pedestrian improvements along the BC Parkway, dual eastbound left turn lanes at Marine/Byrne, a new traffic signal at Market Crossing and Byrne, a new pedestrian signal and civil works at Enterprise/Lake City Way, a pedestrian signal at Canada Way/Elwell, a traffic signal at Winston/Lozells and a new pedestrian signal at Beresford/Gilley. There is funding available from Translink for the pedestrian improvements (\$495,000). This will be received once the project work is complete. The tender will go out in January and the award for construction will be in February. There is also funding available from ICBC. This project is anticipated to be completed in 2019.

**1.4 Traffic Cabinet Replacement      EMF.0084      Estimated \$300,000**

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. Funding is required to enable award of a contract for supply of material in January or early February. Installation will progress immediately following the receipt of material.

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Locations will include:

- Kingsway/Patterson;
- Kingsway/Royal Oak;
- Kingsway/Waltham;
- Willingdon/Parker;
- 16th/Cumberland;
- Hastings/Carleton;
- Gilmore/Manor;
- Gagliardi/Burnaby Mountain Parkway;
- Canada Way/Edmonds;
- Canada Way/Sperling;
- Kingsway/Sperling and
- Lougheed/Bainbridge.

**1.5 Traffic Signal Communications                      EMF.0085                      Estimated \$200,000**

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 enables staff to monitor traffic signal operations. Locations are determined based on the age of the equipment or where they have malfunctioned. Funding is required to enable award of a contract for supply of material in January or early February.

**1.6 Audible Signals    EMF.0083                      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. Funding is required to enable award of a contract for supply of material in January or early February.

**1.7 Light Emitting Diode (LED) Streetlight Conversion                      Estimated \$1,000,000  
EMH.0023 - Phase 5 of 5**

This project is Phase 5 of a multiphase program to replace HPS streetlights with more energy efficient LED streetlights. Phase 5 completes the conversion of all standard streetlights throughout the City to LED.

The intent of the LED conversion program is to reduce maintenance costs over the longer term (5+ years) due to the longer lifespan of LED lights compared to High Pressure Sodium.

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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 \$5,100,900 to finance Engineering Capital Transportation improvement projects, as outlined in this report.



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

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Copied to: City Manager  
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