

TO: CHAIR AND MEMBERS FINANCIAL MANAGEMENT COMMITTEE **DATE:** 2018 April 09

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

SUBJECT: 2018 APRIL ENGINEERING CAPITAL INFRASTRUCTURE BYLAW FUNDING REQUEST - INFRASTRUCTURE

PURPOSE: To request funding to finance 2018 and 2019 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 \$1,960,000, and the use of Water Reserves in the amount of \$75,000 to finance the Engineering capital infrastructure projects as outlined in this report.

REPORT**INTRODUCTION**

The 2018 – 2022 Annual Financial Plan will provide funding for various multi-year capital improvement projects. In order to proceed with the award of contracts for design, administration and construction, funding approval is requested for the projects listed below.

POLICY SECTION

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

- A Connected Community – these projects provide a geographic connection to ensure that people can move easily through Burnaby, using any form of transportation.
- A Dynamic Community – Build and maintain infrastructure that meets the needs of our growing community.
- A Thriving Organization – Protect the integrity and security of information, City Services, and Assets.

The following project also supports a component of A Safe Community – Make City streets, pathways, trails and sidewalks safer:

- BC Hydro Metro North Transmission - Coordination

1.0 INFRASTRUCTURE

1.1 BC Hydro Metro North Transmission - Coordination Estimated \$225,000

Funding is required for this project in order to provide design funding to enable coordinated works with the BC Hydro Metro North Transmission (MNT) project. Engineering will hire design consultants to utilize Hydro base drawings to design Burnaby works, and prepare supporting information to include in a future BC Hydro construction tender. Anticipated expenditures are as follows:

Project Mask	2018
EMC.3142 Road LRN	150,000
EJA.3142 Water	75,000
Total	\$225,000

1.2 Kensington & Barnet Road Rehabilitation EMA.3145 Estimated \$400,000

This project involves roadworks on Kensington Avenue, north of Sprott, and Barnet Road, east of North Cariboo Road. The work on Kensington includes pavement rehabilitation, watermain replacement, installation of a mid-block crossing with stairs to Bill Copland Sports Centre, and construction of a multi-use path to complete the network. The work on Barnet Road is mainly focused on pavement rehabilitation. Anticipated expenditures are as follows:

Project Mask	2018	2019	Total
EMA.3145 Road MRN	200,000	200,000	400,000

1.3 Production Storm Detention ELA.3148 Estimated \$75,000

A drainage analysis revealed capacity concerns in the major storm sewers along Production Way, south of Broadway. This is a feasibility study for construction of a detention pond north of the inlet to reduce the peak rate of runoff flowing into the downstream storm sewers. Considerations for feasibility of the detention pond include constructability, environmental impact or environmental enhancement opportunities, and value for money. Planned expenditures are anticipated to be in 2018.

1.4 South and Central Burnaby Road Rehabilitation Estimated \$1,335,000

The Local Road Network (LRN) Rehabilitation Program is part of the City's ongoing infrastructure renewal strategy to sustainably maintain local streets. Project locations are determined based on pavement condition information provided by the City's Pavement Management System and input from Operations. This is the second year of this project and the last package which includes Interim Street Standard upgrades is currently out for tender. Anticipated expenditures are as follows:

Project Mask	2018
EMC.3002 Roads LRN	1,290,000
EMF.3002 Signals & Crosswalks	45,000
Total	\$1,335,000

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These expenditures will be included in the 2018 – 2022 Annual Financial Plan and sufficient Reserves 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 \$1,960,000, and the use of Water Works Reserves in the amount of \$75,000 to finance the Engineering capital infrastructure as outlined in this report.


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DIRECTOR ENGINEERING

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Copied to: City Manager
Director Finance
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Deputy Director, Engineering
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