

COMMITTEE REPORT

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

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

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

**PURPOSE:** To request the use of Water and Sanitary 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 Reserves Fund Bylaw in the amount of \$25,589,400, the use of Sanitary Sewer Capital Funds in the amount of \$3,974,200 and the use of Waterworks Utility Capital Funds in the amount of \$2,428,600 to finance Engineering capital infrastructure 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.
- 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 Broadway Improvements Bainbridge to Underhill Estimated \$11,333,200

This multi-year project consists of upgrades on Broadway (Bainbridge Ave to Underhill Ave) and the road will be upgraded with widened pavement, urban trail, sidewalks, and treed boulevards to improve the street for all users. Storm sewers and watermain requiring condition or capacity upgrades in this section will also be addressed in this project.

This project will receive a funding contribution from Fortis for approximately \$4 million.

Early funding is being requested to enable the construction contract award in February 2020. The Annual Capital Plan will be updated to reflect the funding request below.

Project Mask(s)	2020	2021	Total
EJA.3031- Water	\$840,000		\$840,000
EKA.3031- Sewer	\$180,000		\$180,000
EMC.3031- Roads	\$201,000	\$7,952,200	\$8,153,200
ELA.3031- Drainage	\$220,000	\$1,940,000	\$2,160,000
<b>Total</b>	<b>\$1,441,000</b>	<b>\$9,892,200</b>	<b>\$11,333,200</b>

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## **1.2 Combined Sewer Separation Boundary Package Estimated \$7,665,500**

This combined sewer separation project is part of the City's ongoing infrastructure renewal program involving separation of combined sewer as required under the Liquid Waste Management Plan (ILWRMP).

Sewer separation minimizes volumes of combined sewer over-flow to the environment and the amount of wastewater that needs to be treated resulting in better allocation of resources, lower energy use and reduced environmental impact

The streets impacted by the project include:

Item	Street	From
1	Boundary Rd	Oxford St to Hastings St
2	Lane north of Dundas St	Boundary Rd to Esmond Av
3	Lane north of Triumph St	Boundary Rd. to Ingleton Av
4	Lane north of Pandora St	Boundary Rd. to Esmond Av
5	Esmond Ave	Pandora St to Lane north of Oxford St

Early funding is being requested to enable the construction contract award in February 2020.

Project Mask(s)	2020	2021	Total
EKA.3144- Sewer	\$1,294,200	\$2,500,000	\$3,794,200
AEC.3144- IT Conduit	\$318,400		\$318,400
EJA.3144- Water	\$1,378,600		\$1,378,600
EMC.3144- Roads	\$674,300	\$1,500,000	\$2,174,300
<b>Total</b>	<b>\$3,665,500</b>	<b>\$4,000,000</b>	<b>\$7,665,500</b>

## **1.3 Loughheed Highway Upgrade Estimated \$10,775,900**

Infrastructure Planning, Transportation Services (Engineering) and the Planning Department have identified road improvements on Loughheed Highway, between Austin to Underhill, to provide street beautification, improve the flow of vehicle traffic, improve both bicycle & pedestrian accessibility and safety.

The scope of work involves:

- Streetscape beautification on Lougheed Highway, from Austin to Bell to the Town Centre Standard (north and south sides),
- Beautification of all centre median under the SkyTrain guideway,
- Installation of urban trails from Bell Av to Gaglardi Way;
- Upgrade road cross sections, intersections, medians, bus stops, etc.,
- Possible change in posted speeds along Lougheed Highway

Early funding is being requested to enable the construction contract award in February 2020. There is Translink funding available for this work which will be applied at project completion and the bylaw funding will be returned.

The Annual Capital Plan will be updated to reflect the funding request below.

<b>Project Mask(s)</b>	<b>2020</b>	<b>2021</b>	<b>Total</b>
AEC.3006- IT Conduit	\$161,400	\$251,000	<b>\$412,400</b>
EJA.3006- Water	\$210,000		<b>\$210,000</b>
EMA.3006- MRN Roads	\$1,350,900	\$1,769,000	<b>\$3,119,900</b>
EMC.3006- Roads	\$803,600	\$6,230,000	<b>\$7,033,600</b>
<b>Total</b>	<b>\$2,525,900</b>	<b>\$8,250,000</b>	<b>\$10,775,900</b>

#### **1.4 Thorne Avenue Upgrade**

**Estimated \$2,167,600**

To complete works and services required for a defaulted land development project at 6000 Thorne Avenue. Funding for this project comes from a draw of \$1.805M of development bonds from the developer. Total project construction value is estimated at \$4M. The City will attempt to seek recovery of the shortfall from the developer who defaulted on the land development project.

Full construction will begin in 2020 for offsite improvements for the development at 6000 Thorne Avenue. This includes improvements to roads, street lighting, sanitary sewer, storm sewer, watermain and to provide site services to this development.

Early funding is being requested to enable the construction contract award in February 2020.

<b>Project Mask</b>	<b>2020</b>	<b>2021</b>	<b>Total</b>
ERA.0047	\$700,000	\$1,467,600	<b>\$2,167,600</b>

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### 1.5 Sprott & Kensington Upgrades

**Estimated \$50,000**

In coordination with the Burnaby Lake Arena and Pool replacement project, the City will upgrade Kensington (Sprott - Joe Sakic Way) and Sprott (Kensington - Norland) to include sidewalks and/or urban trails to improve pedestrian and cyclist safety, and increase the access to the new City facility. Road rehabilitation and watermain replacement will also be completed in this coordinated project.

Early funding is being requested to start the conceptual design. There is Translink funding available for this work which will be applied at project completion and the bylaw funding will be returned.

<b>Project Mask</b>	<b>2020</b>
EMC.8009	\$50,000

These expenditures will be included in the 2020 – 2024 Provisional Financial Plan and sufficient Capital Reserve Funds 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 Reserves Fund Bylaw in the amount of \$25,589,400, the use of Sanitary Sewer Capital Funds in the amount of \$3,974,200 and the use of Waterworks Utility Capital Funds in the amount of \$2,428,600 to finance Engineering capital infrastructure improvement projects, as outlined in this report



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DIRECTOR ENGINEERING

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