

**FINANCIAL MANAGEMENT COMMITTEE**

*HIS WORSHIP, THE MAYOR  
AND COUNCILLORS*

**SUBJECT: 2019 MARCH ENGINEERING CAPITAL INFRASTRUCTURE BYLAW  
FUNDING REQUEST**

**RECOMMENDATION:**

1. THAT Council authorize the City Solicitor to bring forward a Capital Reserves Fund Bylaw in the amount of \$5,777,300, the use of Sanitary Sewer Capital Fund in the amount of \$650,000, and the use of Waterworks Utility Capital Fund in the amount of \$999,000 to finance Engineering capital infrastructure improvement projects, as outlined in this report.

**REPORT**

The Financial Management Committee, at its meeting held on 2019 March 19, received and adopted the *attached* report seeking approval for the use of Waterworks Utility and Sanitary Sewer Reserves and to request a Capital Reserve Fund Bylaw to finance 2019 Engineering capital infrastructure projects.

Respectfully submitted,

Mayor M. Hurley  
Chair

Councillor S. Dhaliwal  
Vice Chair

Copied to:	City Manager Director Engineering Director Finance City Solicitor Deputy Director Engineering Assistant Director Infrastructure & Development Manager, Engineering Projects
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Item .....
Meeting .....2019 Mar 19

## COMMITTEE REPORT

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**TO:** CHAIR AND MEMBERS FINANCIAL MANAGEMENT COMMITTEE      **DATE:** 2019 Mar 11

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

**SUBJECT:** 2019 MARCH 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 2019 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 \$5,777,300, the use of Sanitary Sewer Capital Fund in the amount of \$650,000, and the use of Waterworks Utility Capital Fund in the amount of \$999,000 to finance Engineering capital infrastructure improvement projects, as outlined in this report.

## REPORT

### INTRODUCTION

In order to proceed with the award of contracts for design, contract administration and construction, funding approval is requested for the projects listed below.

### 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
- A Dynamic Community
  - City Facilities and infrastructure –  
Build and maintain infrastructure that meets the needs of our growing community.

To: Chair and Members Financial Management Committee  
From: Director Engineering  
Re: 2019 MARCH ENGINEERING CAPITAL  
INFRASTRUCTURE BYLAW FUNDING REQUEST  
2019 March 11 ..... Page 2

- A Thriving Organization
  - Reliable services, technology and information –  
Protect the integrity and security of City information, services and assets.

## **1.0 Infrastructure**

### **1.1 Environmental Rehabilitation - ELA.3093 Estimated \$1,517,500 Creeks & Culverts**

These are environmental rehabilitation projects related to culverts, creeks and slopes at various locations throughout the City. Projects include rehabilitation of culverts, improvement of a storm sewer outfall, erosion control, installation of a detention pond, slope remediation, and replacement of a safety fence. The following locations are included in the scope of the work:

- Guichon Creek Culvert at Deer Lake Parkway – Culvert is in poor condition and must be rehabilitated.
- Hedley Outfall and Downstream Erosion – Installation of a new storm sewer outfall and remediation of downstream erosion.
- McKee Street Slope Remediation – there was a slope failure at this location which required immediate remediation.
- Kaymar Creek Erosion Control – Identification of erosion occurring in Kaymar Creek south of Portland Street. Scope is to analyze how to remediate the erosion and mitigate future negative impacts from upstream.
- Detention Pond north of Sapperton Ave/Klenner Drive – There currently exists an informal pond at this location that provides stormwater storage. The scope is to formalize the pond and improve site conditions.

Construction is anticipated to be completed in 2019.

### **1.2 Local Area Service Program (Water) EJA.3141 Estimated \$848,700**

This project is for design and construction of Local Area Service Program (LASP) works approved by Council. LASP projects are initiated by property owners through a petition process and are constructed through cost-sharing between property owners and the City. Terms of the cost-sharing were established through the Local Improvement Charges Bylaw. LASP projects range from full street upgrades, sidewalk installations, streetlight installations, traffic calming measures (such as speed humps), and street tree planting or replacements.

Local Area Service upgrades will also include utility upgrades for water that the City will be coordinating with the LASP project to optimize the construction project. Construction is anticipated to be completed in 2019.

To: Chair and Members Financial Management Committee  
From: Director Engineering  
Re: 2019 MARCH ENGINEERING CAPITAL  
INFRASTRUCTURE BYLAW FUNDING REQUEST  
2019 March 11 ..... Page 3

### **1.3 Storm Extensions**

**Estimated \$2,220,000**

<b>Project Mask(s)</b>	<b>2019</b>
EKA.3162 Sewer	150,000
ELA.3162 Storm	1,570,000
EMC.3162 Roads	500,000
<b>Total</b>	<b>2,220,000</b>

This project involves development coordinated works related to storm sewer extensions and associated road repair and upgrades (if applicable). Long term, costs are fully recovered by initiating and benefitting property owners.

Summer Storm Sewer Extensions Package (May Tender):

- May.01 to Oct.31 – Collect Applications and cut-off point
- Nov.01 to Apr.30 – RFP award/design completion
- May.01 – Tender close/award/construction

Funding was also raised in January for the design component (\$400,000). This funding will be for the construction of the Summer Storm Sewer Extensions Package. Construction is anticipated to be completed in 2019.

### **1.4 Willingdon Pump Station Diversion**

**EKA.3166**

**Estimated \$500,000**

Ongoing development within the current Copley sewer catchment area north of Alaska Street is increasing the demand on the small existing Willingdon Pump Station. Construction of an Alaska Street diversion sewer will allow shifting sewer flow from the Willingdon Pump Station to the new Beta Pump Station (nearing completion).

The sewer has already been designed by CH2M and is targeted for construction by City forces. Construction is anticipated to be completed in 2019.

### **1.5 Ridge Shellmont BMP North Road Improvement**

**Estimated \$2,340,100**

<b>Project Mask</b>	<b>2019</b>	<b>2020</b>	<b>Total</b>
EJA.3173 Water	\$0	\$150,300	\$150,300
EMC.3173 Roads	1,000,000	1,189,800	2,189,800
<b>Total</b>	<b>\$1,000,000</b>	<b>\$1,340,100</b>	<b>\$2,340,100</b>

This project includes rehabilitating and upgrading roads such as Ridge Drive, Burnaby Mountain Parkway, and North Road.

The scope will include tendering out various road upgrades to be constructed over the course of several years. Some road upgrades will require coordination with other municipalities.

To: *Chair and Members Financial Management Committee*  
From: *Director Engineering*  
Re: *2019 MARCH ENGINEERING CAPITAL*  
*INFRASTRUCTURE BYLAW FUNDING REQUEST*  
2019 March 11 ..... Page 4

As well, contract administration and inspection services will also be provided. This is the first tender package to be issued. Construction is expected to be completed in 2020 on this package.

These expenditures are included in the 2019-2023 Provisional Financial Plan and sufficient Capital 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 Reserves Fund Bylaw in the amount of \$5,777,300, the use of Sanitary Sewer Capital Reserve in the amount of \$650,000, and the use of Waterworks Utility Capital Reserve in the amount of \$999,000 to finance Engineering capital infrastructure improvement projects, as outlined in this report.



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

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