

FINANCIAL MANAGEMENT COMMITTEE

*HIS WORSHIP, THE MAYOR
AND COUNCILLORS*

**SUBJECT: 2017 ENGINEERING CAPITAL INFRASTRUCTURE REPLACEMENTS
BYLAW FUNDING REQUEST**

RECOMMENDATIONS:

1. THAT Council approve the additional capital expenditure of \$6.352 Million for infrastructure capital improvements, as outlined in this report.
2. THAT Council authorize staff to bring down a Capital Reserves Bylaw in the amount of \$2.395 Million (inclusive of GST), and draw from the Sanitary Sewer Capital Fund the amount of \$.529 Million (inclusive of GST) and the Waterworks Utility Capital Fund the amount of \$3.725 Million (inclusive of GST) to finance the capital programs, as outlined in this report.

REPORT

The Financial Management Committee, at its meeting held on 2017 January 25, received and adopted the attached report seeking Council's funding approval for 2017 Engineering capital infrastructure replacement.

Respectfully submitted,

Councillor D. Johnston
Chair

Councillor C. Jordan
Vice Chair

Councillor P. McDonell
Member

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| Copied to: | City Manager Director Engineering Director Finance City Solicitor |
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| Item |
| Meeting..... 2017 Jan 25 |

COMMITTEE REPORT

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| TO: | CHAIR AND MEMBERS FINANCIAL MANAGEMENT COMMITTEE | DATE: | 2017 January 18 |
| FROM: | DIRECTOR ENGINEERING | FILE: | 32000-05 |
| SUBJECT: | 2017 ENGINEERING CAPITAL INFRASTRUCTURE REPLACEMENTS BYLAW FUNDING REQUEST | | |
| PURPOSE: | To request approval and funding for 2017 Engineering capital infrastructure replacements. | | |

RECOMMENDATIONS:

1. **THAT** Council approve the additional capital expenditure of \$6.352 Million for infrastructure capital improvements, as outlined in this report.
2. **THAT** Council to authorize staff to bring down a Capital Reserves bylaw in the amount of \$2.395 Million (inclusive of GST), and draw from the Sanitary Sewer Capital Fund the amount of \$.529 Million (inclusive of GST) and the Waterworks Utility Capital Fund the amount of \$3.725 Million (inclusive of GST) to finance the capital programs as outlined in this report.

REPORT

The 2016 – 2021 Annual Financial Plan provides funding for various multi-year capital improvements. In order to proceed in a timely manner with the Infrastructure Replacement programs, early approval is requested for the below listed projects. Sufficient Capital Reserves are available to complete these works.

1.0 2017 CAPITAL PROGRAM

For capital programs that have plan in both 2017 and 2018, the funding for both years is being raised here in order to be able to award upcoming contracts for construction.

1.1 *Watermain Replacement and Road Rehabilitation- Pkg B* **\$4,751,850**

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|----------|--------------------|------------------|
| EJA.0015 | Watermain Renewals | 2,533,850 |
| EKA.0015 | Sanitary Main | 180,000 |
| ELA.0022 | Storm Sewers | 20,000 |
| EMC.0011 | LRN | <u>2,018,000</u> |
| | | 4,751,850 |

To: Chair and Members Financial Management Committee
From: Director Engineering
Re: 2017 ENGINEERING CAPITAL INFRASTRUCTURE
REPLACEMENTS BYLAW FUNDING REQUEST
2017 January 18..... Page 2

Replace existing aged AC and CI watermain with new DI watermain as part of the City's ongoing infrastructure renewal program. Rehabilitation of the affected roads and accessibility improvements to be coordinated with watermain replacements as part of an integrated project, where applicable.

This project generally consists of both watermain replacements and future road rehabilitation together as an integrated program. This component of the 2017 work, Group B projects, are to be constructed by City forces; roadworks are generally included in a future LRN program.

1.2 Water Service Replacement Program \$675,000

EJC.0008 Water Service Replacement 675,000

Upgrade or replace existing water services as part of the City's ongoing infrastructure renewal program (independent from water main renewal program).

1.3 Water Meter Replacement Program \$250,000

EJB.0012 Water Meters 250,000

Upgrade and replace existing water meters as part of the City's ongoing infrastructure renewal program. Replacing water meters improves meter accuracy, aligning actual consumption and billing.

1.4 Storm Service Replacements \$250,000

ELC.0008 Storm Service Replacements 250,000

Replace aged or poor condition rated storm sewer laterals as part of the City's infrastructure renewal program. Replacement criteria or factors can include blockages, root intrusion issues, and previous repair history. Work will be undertaken by City forces, as required.

1.5 Sanitary Service Replacements \$225,000

EKC.0008 Sanitary Services 225,000

Replace aged or poor condition rated sanitary sewer laterals as part of the City's ongoing I&I Reduction and infrastructure renewal program. Replacement criteria or factors can include blockages, root intrusion issues, previous repair history, and poor I&I performance.

Work will be undertaken by City forces, as required.

To: Chair and Members Financial Management Committee
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REPLACEMENTS BYLAW FUNDING REQUEST
2017 January 18..... Page 3

1.6 PRV Flow Meter Replacements & Pressure Modulation \$100,000

EJB.0011 Pump Stns, Reservoirs, PRVs, 100,000
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Upgrades to include new flow meters, chambers and pressure modulation capability associated with existing PRV's.

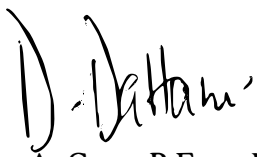
1.7 Barnet Beach PS & FM Replacement \$100,000

EKB.0018 Barnet Beach PS & FM Repl 100,000

Provide replacement forcemain and related pump station upgrades involving relocation of existing forcemain away from the CPR Right-of-Way (ROW) as a means to mitigate against higher costs associated with increasing licensing agreement fees with CPR.

2.0 RECOMMENDATION

It is recommended that Council approve the capital expenditure of \$6.352 Million for Replacement Infrastructure projects, as outlined in this report and that Council authorize staff to bring down a Capital Reserves Bylaw in the amount of \$2.395M (inclusive of GST), and draw from the Sanitary Sewer Capital Fund the amount of \$.529M (inclusive of GST) and the Waterworks Utility Fund the amount of \$3.725m to finance the capital programs as outlined in this report.


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

FV/ac

Copied to: Director Finance