



Meeting 2017 February 27

COUNCIL REPORT

FINANCIAL MANAGEMENT COMMITTEE

HIS WORSHIP, THE MAYOR
AND COUNCILLORS

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

RECOMMENDATIONS:

1. THAT Council approve the additional capital expenditure of \$11.310 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 \$7.679 Million (inclusive of GST), and draw from the Sanitary Sewer Capital Fund the amount of \$2.328 Million (inclusive of GST) and the Waterworks Utility Capital Fund the amount of \$1.831 Million (inclusive of GST).

REPORT

The Financial Management Committee, at its meeting held on 2017 February 22, received and adopted the attached report seeking Council's approval and funding for 2017 Engineering capital infrastructure improvements.

Respectfully submitted,

Councillor D. Johnston
Chair

Councillor C. Jordan
Vice Chair

Copy: City Manager Director Engineering Director Finance City Solicitor
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Item
Meeting 2017 February 22

COMMITTEE REPORT

TO: CHAIR AND MEMBERS FINANCIAL MANAGEMENT COMMITTEE **DATE:** 2017 February 14

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

SUBJECT: 2017 ENGINEERING CAPITAL INFRASTRUCTURE BYLAW FUNDING REQUEST

PURPOSE: To request approval and funding for 2017 Engineering capital infrastructure improvements.

RECOMMENDATIONS:

1. **THAT** Council approve the additional capital expenditure of \$11.310 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 \$7.679 Million (inclusive of GST), and draw from the Sanitary Sewer Capital Fund the amount of \$2.328 Million (inclusive of GST) and the Waterworks Utility Capital Fund the amount of \$1.831 Million (inclusive of GST).

REPORT

The 2016-2020 Annual Financial Plan provides funding for various multi-year capital improvements. The 2017 component of the 2016-2020 Annual Financial Plan does not include these expenditures. Upon approval of this funding request by Council, these expenditures will be included in the 2017-2021 Annual Financial Plan (Infrastructure Projects section). In order to proceed in a timely manner with the contracts for design and construction, 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 Combined Sewer Separation Program	\$3,284,850
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EJA.0015	Watermain Renewals	1,049,454
EKA.0015	Sanitary Main	1,949,076

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 Re: 2017 Engineering Capital Infrastructure Bylaw
 Funding Request

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EMC.0011	LRN	22,724
EMF.0051	Minor Traffic Mgmt Projects	27,269
ERA.0063	Gilmore, Union to Pender	<u>236,327</u>
		3,284,850

This 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.

To optimize the combined sewer separation program, this project also includes replacement of aged watermains alongside the affected sewers, where applicable. A total of 2.2km of watermain replacement is anticipated.

The separation of combined sewers also includes road rehabilitation on all affected streets and lanes.

1.2 South Central Burnaby Road Rehabilitation \$4,619,714

AEC.0015	Civic Communications Conduit	115,000
EJA.0015	Watermain Renewals	100,000
EJC.0008	Water Service Replacement	100,000
ELA.0022	Storm Sewers	55,000
EMA.0008	MRN	288,000
EMB.0008	MRN – Other Rehab	62,500
EMC.0011	LRN	3,044,214
EMD.0024	Sidewalk & Urban Trail	825,000
EMF.0045	Signals & Crosswalks	<u>30,000</u>
		4,619,714

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.

1.3 Coordinated Works - Storm \$300,000

ELA.0025	Coordinated Works – Storm	300,000
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This project involves development coordinated works related to storm sewers and drainage. Through development services review, the Engineering Department may identify offsite improvements adjacent to development that are more effective and/or cost efficient to be delivered by or together with development projects.

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1.4 Thorne Ave \$1,000,000

ERA.0047 Thorne Development 1,000,000

To complete works and services required for a defaulted land development project at 6000 Thorne Avenue. Funding of this project comes from the development bond.

1.5 Future Year Pre-Design \$2,105,000

EJA.0016	Watermain Renewals	450,000
ELA.0026	Storm Sewers	100,000
ELD.0020	Dykes, Culverts & Watercourses	200,000
EKA.0016	Sanitary Main	275,000
ERA.0065	Douglas - Sprott to HWY 1	200,000
ERA.0068	Lougheed Hwy Upgr - Boundary to Gilmore	150,000
ERA.0067	Marine Dr – Royal Oak to Byrne Rd	150,000
EMC.0012	LRN	100,000
EMA.0009	MRN	100,000
ELA.0023	Coordinated Storm Mains	100,000
ELD.0018	Rain Garden Storm Water Mgmt	100,000
ERA.0069	Major Roads	50,000
EMJ.0010	Structures	50,000
EJB.0013	Pump Stns, Reservoirs, PRVs, Scada	50,000
ERA.0066	Empire - Gamma to Hastings	<u>30,000</u>
		2,105,000

In order to proceed with designs for the 2018 and future Capital Program, funding approval is requested now.

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2.0 RECOMMENDATION

It is recommended that Council approve the capital expenditure of \$11.310 Million for 2017 Infrastructure projects, as outlined in this report and that Council authorize staff to bring down a Capital Reserves Bylaw in the amount of \$7.679 Million (inclusive of GST), and draw from the Sanitary Sewer Capital Fund the amount of \$2.328 Million (inclusive of GST) and the Waterworks Utility Fund the amount of \$1.831 Million (inclusive of GST) to finance the capital programs as outlined in this report.

Upon approval by Council, these expenditures will be included in the 2017-2021 Annual Financial Plan.



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

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Copied to: Director Finance