
TO: CHAIR AND MEMBERS
FINANCIAL MANAGEMENT COMMITTEE

DATE: 2015 April 16

FROM: DIRECTOR ENGINEERING

FILE: 32000-05

SUBJECT: 2015 ENGINEERING CAPITAL INFRASTRUCTURE BYLAW FUNDING REQUEST

PURPOSE: To request funding approval for various capital improvements.

RECOMMENDATIONS:

1. **THAT** the Financial Management Committee recommend Council approve the capital expenditure of \$3.295 Million for various capital improvements, as outlined in this report.
2. **THAT** the Finance Management Committee recommend Council to authorize staff to bring down a bylaw in the amount of \$3.302 Million (inclusive of GST), and draw from the Sanitary Sewer Capital Fund the amount of \$140,000 to finance the capital programs as outlined in this report.

REPORT

The 2015 – 2019 Provisional Financial Plan provides funding for various multi-year capital improvements. In order to proceed in a timely manner with the contracts for design and construction, funding approval is requested for the below listed projects.

1.0 Clydesdale Pump Station (EKB.0009) \$40,000

The Clydesdale Sanitary pump station is being rehabilitated and upgraded to ensure service reliability, meet demands of growth and re-development, and maximize energy efficiency.

2.0 SCADA System Upgrade (RTUs) (EKB.0013) \$100,000

The City has an ongoing program of improvements and upgrades to pump alarm, control and data acquisition (SCADA) systems. Improvements to these critical infrastructure systems ensure service reliability and enable staff to gather operational data on system performance, remotely monitor alarms and respond to system malfunctions in a timely manner. This is a multi-year project and expenditures will be incurred throughout 2015 and 2016 as per the capital plan.

3.0 Stormwater Management (ELD.0012) \$850,000

To: Chair and Members Financial Management Committee
From: Director Engineering
Re: 2015 Engineering Capital Infrastructure Bylaw Funding Request
2015 April 16..... Page 2

Through completion of Integrated Stormwater Management Plans, the City has identified various stormwater management projects in order to improve watershed health, address aging or undersized infrastructure, and reduce the likelihood of increased erosion on watercourses. This is a multi-year project and expenditures will be incurred throughout 2015 and 2016 as per the capital plan.

4.0 Cedar Creek Erosion Management (ELD.0016) \$1.5 Million

As part of our commitment to the Metro Vancouver's Integrated Liquid Waste and Resource Management Plan, the City is completing a strategy to remediate erosion sites in Cedar Creek that are impacting watershed health and increasing maintenance requirements downstream. Cedar Creek ravine exhibits extensive localized erosion typical of urban stream bank erosion resulting from urban stream hydraulics (i.e. increased peak flows and flashiness owing to urbanized catchments with impervious surfaces and limited source controls). The strategy will look to combine hard engineering solutions with alternative softer treatment (bioengineering, etc.) for a hybrid solution that will restore watershed health. This is a multi-year project and expenditures will be incurred throughout 2015 and 2016 as per the capital plan.

5.0 Stoney Creek ISMP (ELD.0015) \$180,000

As part of our commitment to the Metro Vancouver's Integrated Liquid Waste and Resource Management Plan, the Stoney Creek Integrated Stormwater Management Plan (1999) is due for an update. Stakeholders include: Fisheries and Oceans Canada; Ministry of Forests, Lands and Natural Resource Operations; residents; City of Burnaby departments (Parks, Planning & Building, Legal); City of Coquitlam; SFU; UniverCity; BC Hydro, Kinder Morgan; Imperial Oil. This is a multi-year project and expenditures will be incurred throughout 2015 and 2016 as per the capital plan.

6.0 Diking Study (ELD.0014) \$150,000

This diking study would serve to set a future framework under which Burnaby would be able to proceed to address future flood proofing needs and requirements, including the provincial seismic design guidelines for dikes and anticipated sea level rise to the year 2100.

7.0 Rumble Street (ERA.0049) \$225,000

The Capital Plan identifies upgrades in 2016 on Rumble Street, Boundary to Nelson, to a Major Collector Secondary standard complete with curb and gutter, separated sidewalk where possible, signal upgrades, and street lighting. This funding will enable the City to complete the engineering design for the proposed project, enabling construction to begin in 2016.

8.0 Willingdon Linear Park (ERA.0050) \$250,000

The Capital Plan for 2015 includes \$250,000 for the initial design of the Willingdon Linear Park from Brentlawn to Hastings. This funding will enable the City to commence the design process and provide clearer options and implications for public consultation.

To: Chair and Members Financial Management Committee
From: Director Engineering
Re: 2015 Engineering Capital Infrastructure Bylaw Funding Request
2015 April 16..... Page 3

It is recommended that the Financial Management Committee request Council to approve the capital expenditures as outlined in this report and request Council to authorize staff to bring down a Capital Reserves Bylaw in the amount of \$3.302 Million (inclusive of GST), and draw from the Sanitary Sewer Capital Fund the amount of \$140,000 to finance the capital programs as outlined in this report.



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

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Copied to: City Manager
Director Finance
Director Parks, Recreation & Cultural Services
City Solicitor