

**TO:** CHAIR AND MEMBERS  
FINANCIAL MANAGEMENT COMMITTEE

**DATE:** 2015 February 23

**FROM:** DIRECTOR ENGINEERING

**FILE:** 32000-05

**SUBJECT:** 2015 CAPITAL IMPROVEMENTS BYLAW FUNDING REQUEST

**PURPOSE:** To request funding approval for various capital improvements.

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**RECOMMENDATIONS:**

1. **THAT** the Financial Management Committee recommend Council approve the capital expenditure of \$7.245 Million for various capital improvements, as outlined in this report.
2. **THAT** Finance Management Committee recommend Council to authorize staff to bring down a bylaw in the amount of \$6.773 Million (inclusive of GST), and draw from the Waterworks Utility Capital Fund the amount of \$209,400 (inclusive of GST) and the Sanitary Sewer Capital Fund the amount of \$601,900 (inclusive of GST) 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 Culvert Inspection & Rehabilitation \$250,000**

Engineering services are required to continue an ongoing inspection program for storm culverts in the city. Inspections will be done during the fisheries window of August to September 2015 and the data used to establish maintenance requirements and capital budget projections for future years.

**2.0 Infrastructure Improvements (Cost shared with private development) \$550,000**

The 2015 – 2019 Capital Plan includes provision for cost-sharing with private development for infrastructure improvements not directly related to the proposed development. The program takes advantage of the development process in providing a cost-effective solution for upgrading the City's infrastructure adjacent to their development site, when considered desirable by the City.

To: Chair and Members Financial Management Committee  
From: Director Engineering  
Re: 2015 Capital Improvements Bylaw Funding Request  
2015 February 23 ..... Page 2

Typical works include pavement and storm sewer rehabilitation in coordination with development projects. The total estimated cost is summarized as follows:

• Roads	\$ 50,000
• Storm Sewers	<u>500,000</u>
	\$ 550,000

### **3.0 Byrne Creek Pump Station Backup Power Project \$190,000**

The project involves the design and construction of civil and electrical modifications to accommodate a permanent emergency power generator for the Byrne Creek pump station. The station is a critical component of the drainage system in the Big Bend Area.

### **4.0 Structures \$1.0 Million**

Capital funds are provided annually for the ongoing rehabilitation and upgrade of existing bridges within the city. A recently completed bridge inspection report has identified a rehabilitation program that includes repaving, deck joint replacements, structural upgrades and other miscellaneous repairs.

### **5.0 Riverside Area Improvements - Phase 1 \$1.05 Million**

This is phase one of a two phase improvement program (2015/2016) to the Riverside Area. Phase one is focused primarily on Willard Street and 9th Avenue. The scope of work includes drainage works and roadworks on Willard Street, from Marine Drive to Thorn Avenue, and watermain replacement and roadworks on 9th Avenue, from Willard Street to Marine Way. The total estimated cost is summarized as follows:

• Roads	\$ 900,000
• Storm Sewer	<u>150,000</u>
	\$1,050,000

### **6.0 Pump Stations and PRV's Upgrades \$775,000**

The City has an ongoing program of improvements and upgrades to existing pump stations, pressure reducing station (PRV's) and related alarm, control and data acquisition (SCADA) systems. Improvements to these critical infrastructure systems ensure service reliability, meet demands of growth and re-development and maximize energy efficiency. They also enable staff to gather operational data on system performance, remotely monitor alarms and respond to system malfunctions in a timely manner. The total estimated cost is summarized as follows:

• Water Utility	\$200,000
• Sewer Utility	<u>575,000</u>
	\$775,000

**6.0 Traffic Management \$3.430 Million**

**6.1 Traffic Signals \$1.537 Million**

The Traffic Signal Program consists of ongoing replacement and upgrades to the aging traffic signal infrastructure to help maintain continuous operation. It also includes the provision of several new traffic signals and related equipment including one at the intersection of Kincaid and Smith previously approved by Council.

**6.2 Pedestrian and Transit Related Improvements \$465,000**

Capital funds are provided annually to support pedestrian related improvements such as new crosswalks and interim asphalt sidewalks to help address accessibility and safety concerns. This funding also supports the ongoing upgrades to aging bus shelters for the comfort of transit users.

**6.3 Parking Management \$75,000**

There are about 1,700 paid parking spaces that are used as part of the parking demand strategy to manage the supply of on-street parking in the City. Funding is required to update aging meters and associated equipment and to replace damaged meters due to theft and vandalism.

**6.4 Street Lighting \$1.253 Million**


The majority of the funds will provide for the conversion of existing HPS luminaires to the more energy efficient LED luminaires. This will be the first year of a multi-year conversion program. A small portion of the funds (\$52,500) will be allocated for the ongoing replacement of aging street light poles and bases where required.

**6.4 Traffic Calming \$100,000**

Traffic Calming funds provide for the provision of various traffic control devices including new corner bulges, as well as the replacement of old interim traffic calming barriers with permanent final standard infrastructure.

To: Chair and Members Financial Management Committee  
From: Director Engineering  
Re: 2015 Capital Improvements Bylaw Funding Request  
2015 February 23 ..... Page 4

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 \$6.773 Million (inclusive of GST), and draw from the Waterworks Utility Capital Fund the amount of \$209,400 (inclusive of GST) and the Sanitary Sewer Capital Fund the amount of \$601,900 (inclusive of GST) to finance the capital programs as outlined in this report.



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

AAS/cp/ac

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