

For Information Only

Status Report - 2015 Capital Projects

Presented To:	Operations Committee
Presented:	Monday, Jan 18, 2016
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Recommendation

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Principal Objectives

The Engineering Services Division manages construction projects on behalf of the other Divisions in Infrastructure Services. These projects are referred to as linear projects, such as roads, drainage, watermains, sanitary sewers, and resurfacing. More complex projects in these Divisions are managed with support from professional engineering consultants. These complex projects include bridge rehabilitation and plant work.

Engineering Services continues to attempt to work on the planning and design perimeters the year before the project proceeds to construction. This strategic initiative would allow more consultation with stakeholders and a more detailed budget estimate. This also allows for earlier tenders which, in turn, optimizes the short construction season due to our climate.

To optimize this strategy, Engineering Services has adopted a comprehensive approach to Project Management and continues to improve and fine tune this approach. Project Managers ensure that the objectives are met with a focus on budget, schedule, and scope control. Also within this initiative, the Construction Services team is focused on quality assurance and contractor performance management.

All of the above initiatives will ensure that the City continues to receive value for money and a good quality end product.

Signed By

Report Prepared By

Peter Chiesa
Director of Engineering Services
Digitally Signed Dec 31, 15

Division Review

Peter Chiesa
Director of Engineering Services
Digitally Signed Dec 31, 15

Recommended by the Department

Tony Cecutti
General Manager of Infrastructure
Services
Digitally Signed Dec 31, 15

Recommended by the C.A.O.

Kevin Fowke
Acting Chief Administrative Officer
Digitally Signed Jan 5, 16

Summary

The Project Engineering Services Section has prepared construction drawings and specifications for twenty-six (26) projects. These projects were identified in the 2015 Capital Budget along with budget amounts in various operating accounts.

Projects to be Tendered in 2016

Three (3) projects have been identified as carryovers to 2016. The carryovers were necessary and are explained in detail below:

Second Avenue (Coniston) – Highway 17 to Balsam Street

This project involves the replacement of the existing watermain, including a section which passes under the storm drainage system of Amanda Street and the installation of a Pressure Regulating Valve (PRV). Due to the complexity of designs associated with PRVs and staff workloads, part of this project was assigned to a professional engineering consultant. This project will be tendered and constructed in 2016.

Barry Downe Road – Westmount to Kingsway

This project involves the replacement of critical below-grade infrastructure, including storm sewers and watermain as well as a new lane on the west side of the street and cycle tracks on both sides of the road. Due to the magnitude of this project, and to allow sufficient time for consultation with adjacent land owners and adequate time for property acquisition, the design will continue throughout 2016. Construction is subject to Council approval of the capital budget, however, the project will be ready for tender late 2016 or early 2017.

Lamothe Street – Watermain Improvements

This project was approved for the 2015 construction season but has been delayed for tender in 2016. Due to the severe cold weather this past winter, a number of priority and emergency repairs have occupied staff resources. In particular, the extensive damage to the Ash Street watermain had taken precedent and occupied staff that would have been assigned to this project.

Projects over Three (3) Construction Seasons

There was one (1) project that commenced in 2015 and will be completed in 2017, namely Moonlight Avenue from Bancroft Drive to the Kingsway. This phasing is necessary due to the complexity and volume of work required.

Below is a breakdown of the work to be completed in each year:

2015 – New watermain and sanitary sewer, along with road excavation, concrete curb, concrete sidewalk, and base asphalt from Bancroft Drive to Hines Street.

2016 – New watermain and sanitary sewer, along with road reconstruction, concrete curb, concrete sidewalk, and base asphalt from Hines Street to the Kingsway.

2017 – The final lift of asphalt to be placed by mid-June.

2014 Carryover Projects

There were a total of eight (8) projects that were carried over from 2014. Seven of these projects have been completed.

Dollard Street, from Madison Avenue to the north end is complete with the exception of surface asphalt scheduled to be placed in summer 2016. This project included watermain replacement and road reconstruction. The completion date was extended due to the above average amount of rain experienced in the fall of 2014. This project will have all of the underground work completed in 2015. Surface asphalt will be placed in 2016.

Financial Review

The total cost of all construction projects managed by the Engineering Services Division in 2015 was approximately \$33.3 Million with approximately \$5.9 Million to be tendered in 2016.