

## For Information Only

### Status Report - 2015 Capital Projects

Presented To: Operations Committee

Presented: Monday, Jun 15, 2015

Report Date: Wednesday, Jun 03, 2015

Type: Presentations

### Recommendation

For information only.

### Principal Objectives

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

Strategically, Engineering Services is attempting to work on the planning and design aspects the year before the project proceeds to construction. This strategic initiative would allow more consultation with concerned stakeholders and better budget estimating. This also allows for earlier tenders, which in turn optimizes the short construction windows due to our climate.

To facilitate this strategy, Engineering Services has recently adopted a more comprehensive approach to Project Management. Dedicated Project Managers will ensure that the project objectives are satisfied with a focus on budget control, schedule control, and scope control. Within these new initiatives, the Construction Services team is focusing on enhanced quality control and contractor performance management.

All of these capital initiatives will ensure that the City continues to obtain value for money on our capital projects.

### Summary

The Project Engineering Services Section has prepared construction drawings and specifications for twenty-five (25) projects. These projects were identified in the 2015 Capital Budget along with budget amounts in the various operating accounts. These projects relate all or in part to road construction, road resurfacing, asphalt rehabilitation, sanitary sewer, watermain, storm sewer, and restoration work.

As of May 15, 2015, the chart below illustrates the status of the 2015 program.

### Projects to be Tendered in 2016

#### Signed By

##### Report Prepared By

Peter Chiesa  
Manager of Project Engineering  
*Digitally Signed Jun 3, 15*

##### Division Review

Kevin Shaw  
Director of Engineering Services  
*Digitally Signed Jun 3, 15*

##### Recommended by the Department

Tony Cecutti  
General Manager of Infrastructure Services  
*Digitally Signed Jun 3, 15*

##### Recommended by the C.A.O.

Bob Johnston  
Interim Chief Administrative Officer  
*Digitally Signed Jun 3, 15*

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. Although this project is being expedited to be out for tender as soon as possible, it is likely that the project will be 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 a bicycle lane. Due to the magnitude of this project, and to allow sufficient time for consultation with adjacent land owners, the design will continue throughout 2015 and the tender will be deferred to 2016. This project was ratified by Council for deferral to 2016, and will be presented in the 2016 Capital Budget to confirm Council's intent to continue to construction in 2016.

#### Lamothe Street – Watermain Improvements

This project is approved for the 2015 construction season but will likely be delayed for a late tender in 2015 or early 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 has taken precedent and occupied staff that would have been assigned to this project.

### **Projects over Three (3) Construction Seasons**

There will be one (1) project that will commence in 2015 and 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:

King Street, Afton Street, and Ellen Street will have the final lift of asphalt placement and minor clean up of the construction site. The final lift of asphalt on sewer and water projects is generally placed the following year. This allows the City of Greater Sudbury and the Contractor to address any deficiencies or unforeseen conditions, such as settlement over sewer trenches and to correct problems without damaging the surface asphalt.

Jean Street, from Frood Road to Burton Avenue, was tendered as part of the Frood Road Contract. Work on Jean Street has started as scheduled, and this watermain project will be completed by the end of the summer of 2015. All of the underground work (watermain, sanitary sewer, and storm sewer) was planned to be performed over two construction seasons due to the volume of work. Surface asphalt will be placed in

2016.

Dollard Street, from Madison Avenue to the north end, will be completed by the end of the summer of 2015. 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.

Intersection of Main Street (M.R.15) and Highway 69 North (M.R.80) will be completed by mid-summer of 2015. All asphalt work will be completed this year and there shall be no further carryover work to 2016.

This contract involved the placement of sidewalk from the intersection of Main Street and Highway 69 North to the Whitson River and major improvements to the intersection. Due to the above average amount of rain experienced in the fall of 2014, some minor work was carried over to this year, to be completed with the planned final lift of asphalt.

Kingsway, from Laking Toyota to Bancroft Drive, will be completed by mid-summer. The remaining work includes spot sidewalk replacement and the final lift of asphalt. This project was tendered to start after the majority of the work was completed at the LaSalle/Notre Dame intersection. This was necessary to avoid major traffic congestion from occurring at the same time on these two major arterial roads.

Elgin Street, from Cedar Street to Ste. Anne's Road, involves the replacement of the existing watermain along with new water services. This contract was identified in the 2014 Capital Budget, however, conflicts with utilities were identified during the design process, which delayed tendering of this project. This contract has commenced and is scheduled to be completed this year.

### **Financial Review**

The total cost of all construction projects, managed from the Engineering Services Division this year, is approximately \$33.3 Million with approximately \$5.9 Million to be tendered in 2016.