

## For Information Only

### Status Report - 2013 Capital Projects

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### Recommendation

For information only.

### Introduction

This report provides an update on the status of the Capital Roads Projects approved in the 2013 Capital Budget including those 2013 Water/Wastewater projects that had a direct impact on the Roads capital program.

### Background

This report provides a summary of capital projects managed by the Engineering Services Division. The Engineering Services Division performs engineering design, preparation of tender documents, contract administration, inspections of projects related to road construction, watermain and sewer construction and similar related construction activities.

Capital projects related to water plants, wastewater plants, bridges and other similar projects are not included in this report.

### Major Construction Projects

#### Lasalle Boulevard at Notre Dame Avenue Intersection:

This project commenced in the late spring of 2013 and continued into the late fall. The majority of the work has been completed and the installation of median islands, final restoration, and the final lift of asphalt will be completed in 2014.

#### Regent Street/Bouchard Street/Southview Drive:

This project commenced in 2013 and Phase I work (Bouchard Street, Southview Drive) was constructed. The outstanding work includes restoration of properties along with the final lift of asphalt. Phase II Regent

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Street between Bouchard Street and Walford Road shall commence in the spring of 2014. The work will involve sanitary sewer and watermain improvements along with reconstruction of the existing roadway. Final lift of asphalt will be performed in 2015.

Loach's Road Watermain (Regent Street to Armstrong Street):

Watermain and sanitary sewer work along with road reconstruction has been performed between Regent Street and Lo-Ellen Park Secondary School. Final lift of asphalt and restoration to be completed in 2014. Loach's Road from Lo-Ellen Park Secondary School to Armstrong shall have the watermain and sanitary sewer upgraded along with road reconstruction. This work will commence in the spring of 2014. Final lift of asphalt will be placed in 2015.

Garson-Coniston Road (from Paul Street to O'Neil):

This project included the placement of concrete curb and concrete sidewalk along with the final lift of asphalt. All watermain, sanitary sewer, and storm sewer improvements were completed in 2008.

M.R. 4 Fairbank Lake Road (Highway 17 to C Johnson Road):

The majority of the construction has been completed. The 9 km length of roadway has been paved with the first of two lifts of base asphalt. The majority of the second lift of base asphalt and surface asphalt will be placed in 2014.

**Local Roads Resurfaced**

There were a total of 21 streets (7.3 km) that were resurfaced under two contracts. The work involved milling the existing asphalt and rehabilitation of the remaining asphalt or resurfacing the roadway. The total value of work completed on the two contracts was \$2.4 million.

**Surface Treated**

A total of 18 streets (22.8 km) were surface treated. The work involved overbuilding the existing granular surface with 300 mm of granular material and the application of two layers of stone and asphalt emulsion. The total value of work completed was \$1 million.

**Water/Wastewater Improvements**

Six projects were tendered and construction started in 2013. Of the six locations, five projects were completed. The remaining contract is Loach's Road from Lo-Ellen Secondary School to Armstrong Street which includes Windle Drive from Loach's Road to Millwood.

## 2013 Carry-over Projects

Six contracts tendered in 2013 will have construction work completed in the 2014 construction season. These contracts involve the completion of underground work (watermain, sanitary or storm sewer) and/or the placement of the final lift of asphalt. The largest of these projects is Regent Street between Bouchard Street and Walford Road.

## Contracts to be Tendered in 2014

Four locations identified in the 2013 budget will be tendered in the spring of 2014. This became necessary to ensure adequate time to obtain additional survey data, to complete underground investigations, and to address conflicts with utilities. These locations will be tendered in the early spring to ensure that construction can be completed in the 2014 season.

## Summary

Below is a summary of some of the major accomplishments in 2013:

New/Replacement of Watermains	4,708 metres
New/Replacement of Sanitary Sewers	1,573 metres
Hot Mix Asphalt	51,380 tonnes
New/Replacement of Concrete Curbs	10,416 metres
New/Replacement of Concrete Sidewalk	4,988 square metres
Guide Rails	2,510 metres
Crack Sealing	55 lane kilometres
Surface Treatment	45 lane kilometres

## Conclusion

The Engineering Services Division is continually improving its method of project delivery. The following are examples of where delivery, training, and technology improvements have been employed to improve productivity and provide a better product:

- Utility Locates – working with our partners to reduce the time to provide both City and related utility locates to our Contractors
- As-built Drawings – constantly striving to provide more accurate data to eliminate conflicts with underground utilities. This is being achieved through the recording of information in conjunction with Geographical Information Systems (GIS) and the use of Closed Circuit Television (CCTV) for storm and sanitary sewer systems
- Early acquisition of property to provide time to discuss property issues with property owners and avoid potential conflicts
- Improvement of pre-construction consultation with property and business owners
- Updating of various manuals used by staff and consultants. These manuals will continue to standardize the direction and method of service delivery on capital projects
- Development of a contractor performance tool that will assist in monitoring of General Contractors and completing annual prequalifications

- Ongoing training in the following areas:
  - Confined Space
  - Fall Arrest
  - Work Site Safety Awareness
  - Traffic Control
  - CPR/First Aid
  - Training of staff