

TO:	CHAIR AND MEMBERS CIVIC WORKS COMMITTEE MEETING ON MARCH 3, 2015
FROM:	EDWARD SOLDI, P. ENG. DIRECTOR, ROADS AND TRANSPORTATION
SUBJECT:	2015 RENEW LONDON INFRASTRUCTURE CONSTRUCTION PROGRAM

RECOMMENDATION

That, on the recommendation of the Director, Roads and Transportation, the following information report concerning the 2015 Renew London Infrastructure Construction Program **BE RECEIVED** for information.

BACKGROUND

Purpose

The purpose of this report is to provide Committee and Council with an overview of the planned City and development related major construction projects for 2015.

Context

The Engineering and Environmental Services department undertakes approximately 200 capital works projects and programs on a yearly basis. Our goal is to provide safe, dependable, affordable and environmentally responsible services that help London's communities thrive and the city prosper.

The delivery of sustainable infrastructure program through the provision of road, sewer, water, sidewalk, traffic signal and streetlight assets is managed through the 2015 Renew London - Infrastructure Construction Program. The program address existing lifecycle needs, system improvements, and growth related priorities.

The City is responsible for a transportation system that promotes the movement of goods and services while providing for transportation mobility choices for residents. An efficient transportation system promotes business, creates employment, provides social opportunities and saves lives. A key consideration in the delivery of the Infrastructure Construction Program is the efficiency of infrastructure delivery and minimization of delays and inconveniences to the public during construction.

DISCUSSION

A number of large construction projects are currently scheduled for implementation in 2015. The Key Map and Table 1 (below) provide a listing of projects which will have an impact on traffic flows around the City. A number of these projects will affect traffic and coordination has been carried out at project and program levels to reduce the impacts.

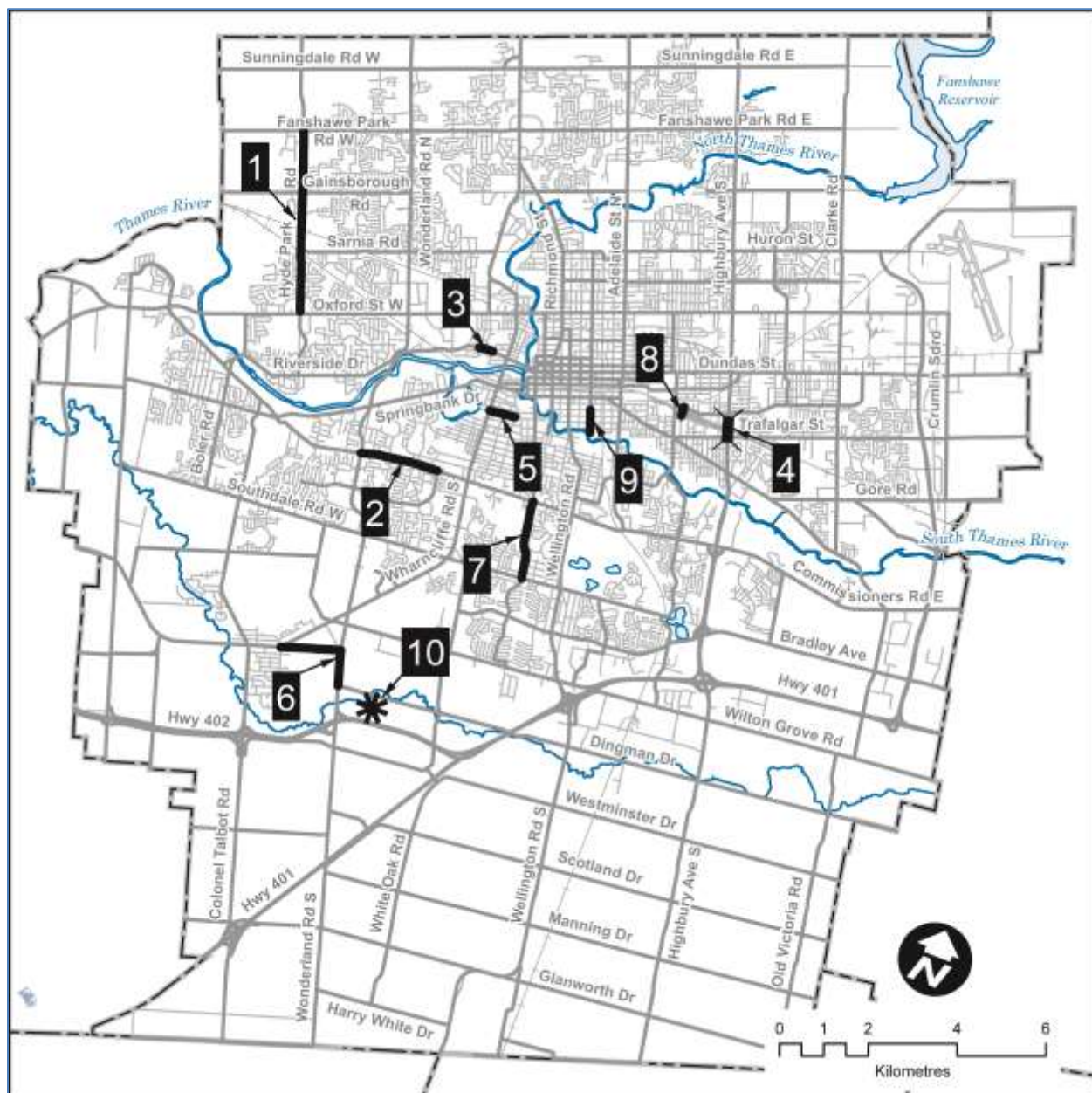
In addition to Table 1, there are a number of other medium scale reconstruction / resurfacing projects to rehabilitate infrastructure throughout the City which will have local impacts and may require minor traffic detours. There will be 97 lane km of road reconstructed, 20 km of sanitary and storm sewers, and 9.5 km of watermain rebuilt. There will also be 7 km of watermain and 11

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km of sewer trenchlessly lined. These trenchless programs allow for the deferral and avoidance of large capital costs and the minimization of social impact by avoiding open cut construction.

The total of the 2015 capital infrastructure program is approximately \$161.7 M. It includes \$54.2 M of road improvements, \$77.6 M of sewer improvements and \$29.9 M of water improvements.

MAJOR 2015 CITY INFRASTRUCTURE PROJECTS



Each project is reviewed from a traffic and construction detour impact perspective. Some locations will require road closures to complete the planned construction. Each closure will include a detour to safely redirect traffic around the disturbed areas and permit the work to be completed in a timely manner. The planned detours are as short a route as possible while keeping traffic on a similar class of roadway and not directing traffic through local streets.

Traffic signal changes are made to accommodate changes in traffic flows as a result of construction and planned detours in order to help reduce delays. Routine maintenance undertaken by the City on roadways is scheduled in a manner to minimize impacts on traffic.

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Table 1 – Top 10 City Projects

	Street/Project	Scope	Budget	Schedule	Traffic Impact
1.	Hyde Park Road Widening	Phase 1	\$22M	April 2014 – Sep 2015	Reduced Lanes
		Phase 2	\$14.5M	April 2015- July 2016	Reduced Lanes/3 day Hyde Park closure in Spring
2.	Commissioners	Road widening, sewer, water	\$11.5M	June 2015 – Nov.2016	Reduced lanes
3.	Riverside Drive	Sewer, water, road	\$2M	May – September	Reduced Lanes/ 1 month road closure mid July to mid August
4.	Highbury Bridge	Bridge rehab	\$4M	May – November	Reduced lanes
5.	Bruce Street	Sewer, road	\$3M	May – November	7 day Wharncliffe closure in July
6.	Wonderland Hamlyn	Sewer, water, road	\$8.5M	April - December	7 day Wonderland closure in Spring
7.	Upper Queens/Ridout	Streetscape/ bikepath	\$2.0M		
8.	Burbrook Trunk	Microtunnel Storm sewer	\$10M	May – November	Reduced lanes
9.	Colborne Street South	Sewer, water, road, streetscape	\$5M	April - November	Reduced lanes
10.	Dingman Creek Erosion Control Wetland	Stormwater management facility	\$4.5M	Sep 2014- Oct 2015	None

Table 2 - Development Projects

In addition to City led project, coordination is undertaken with known development projects that may impact traffic flows along City streets. It should be noted that the exact timing of these projects is dependant on the development industry. Some of the larger development projects that may affect public streets are as follows:

	Street/Project	Scope	Schedule	Traffic Impact
1.	1643-1653 Richmond – South of Hillview	Mixed use development	Summer 2015	Minor reduced lanes on Richmond for servicing
2.	Wonderland/Oxford - Commercial	Commercial	Summer 2015	Reduced lanes for servicing connections
3.	Wonderland/Wharncliffe - Commercial	Commercial	2015	Reducing lanes for servicing connections

Communications Plan

Every effort is being made to ensure Londoners are aware of construction zones and traffic detours resulting from road work. Daily updates are provided through the City’s website, www.london.ca/roadwork with information about road closures, ongoing and upcoming projects on city streets.

The social impact is being mitigated through coordination and communication. The specific communication strategies include:

- 2015 construction program media release;
- Communication with LTC, Police, Fire, EMS, school boards and school bus providers and Canada Post;

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- Public meetings for all major reconstruction projects;
- 3 letters to directly impacted residents for medium and large projects, 1 letter for short term work
- Special meetings for business areas;
- Social media (Facebook and Twitter);
- Renew London website (project updates, daily email to media and emergency services)
- Advanced warning signs.
- Project emails updates to property owners

Residents are encouraged to minimize their travel time impact by:

- Planning their commutes, using alternative routes;
- Utilize transit (<http://www.ltconline.ca>), car pool, ride your bike or walk; for assistance in finding a carpool, please visit www.londoncarpools.ca
- Adjusting their travel times to avoid peak periods.



CONCLUSION

The City has \$6.8 B of water/wastewater infrastructure and \$2.1 B of transportation infrastructure, the timely replacement and upgrade of those assets is critical to ensuring long term sustainability of those services. The 2015 Infrastructure Construction Program has been planned to address asset needs for the lifecycle renewal while at the same time ensuring that the growth requirements of the community are met in a timely manner during the construction season.

While the projects have been scheduled in a manner to minimize social impacts on traffic, commuting around the city will be impacted and as such, residents are encouraged to plan ahead and exercise patience in construction zones.

Acknowledgements:

This report was prepared with assistance from David Jackson, P.Eng., Construction Administration Division and Doug MacRae, P. Eng., Division Manager - Transportation Planning and Design.

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