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TO:	CHAIR AND MEMBERS CIVIC WORKS COMMITTEE MEETING ON JUNE 17, 2013
FROM:	EDWARD SOLDI, P. ENG. DIRECTOR, ROADS & TRANSPORTATION
SUBJECT	NEW 2013 TRAFFIC SIGNALS

RECOMMENDATION

That on the recommendation of the Director, Roads & Transportation, the following actions **BE TAKEN** with respect to new traffic signals:

- a) The installation of a traffic signal at the intersection of Waterman Avenue/Wellington Road and at Sunningdale Road/South Wenige Drive (west leg) **BE APPROVED**; and
- b) Future additional operating costs for the project in the amount of \$12,800 **BE APPROVED** as a first priority commitment from available assessment growth in 2013, subject to final budget approval.

BACKGROUND

The Roadway Lighting & Traffic Control Division receives numerous requests throughout the year for the installation of Traffic Control Signals. As per Council's policy, this report addresses the new signals that are recommended for installation in 2013.

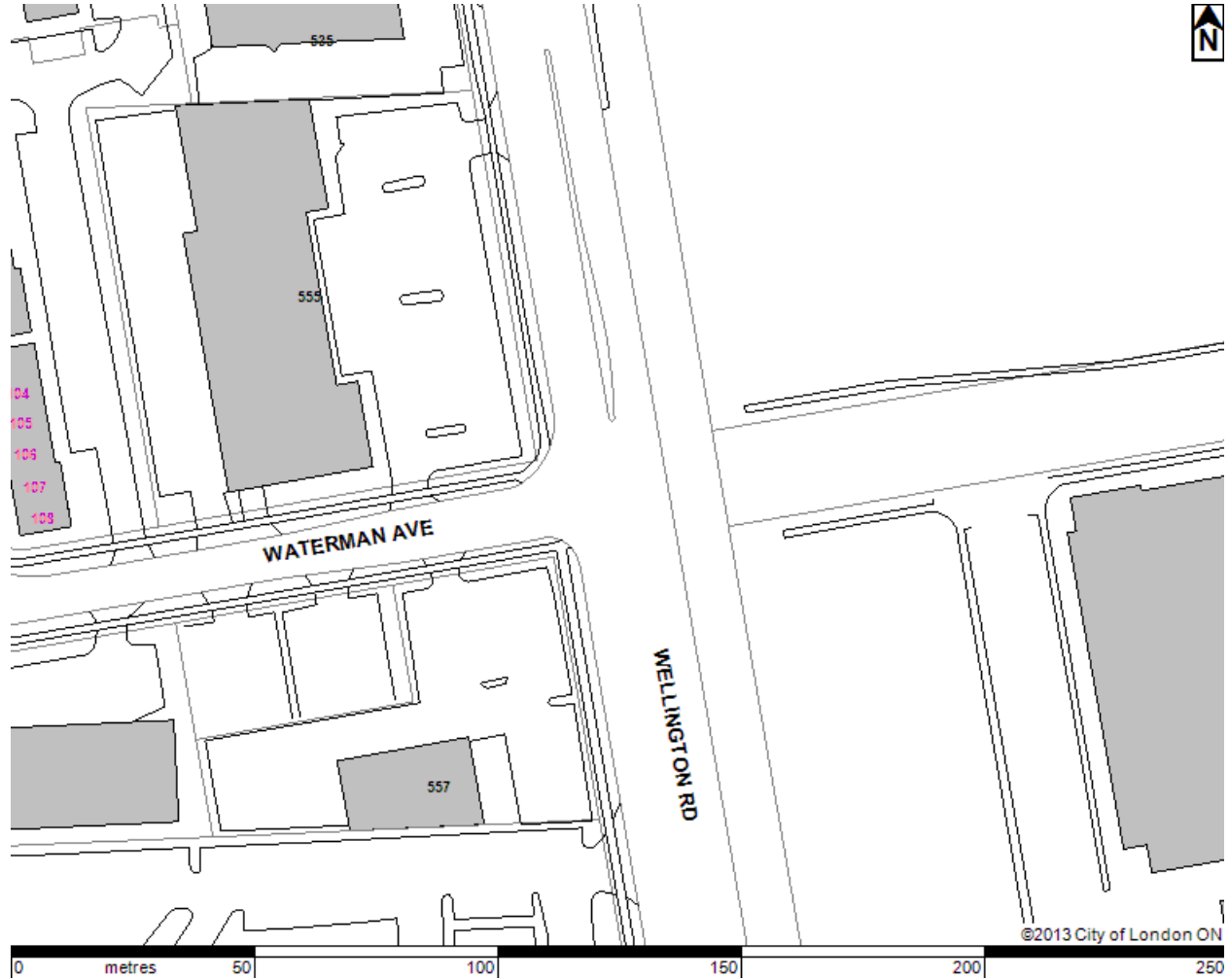
DISCUSSION

Traffic signals are designed to ensure a safe and orderly flow of traffic, provide safety for pedestrians and/or vehicles while crossing a busy intersection and help lessen the severity and frequency of collision between vehicles entering intersections from different directions. However, traffic signals can be detrimental to the operational efficiency of our roadway system and can increase some types of traffic collisions.

The installation of traffic control signals are recommended at intersections where the traffic volume or collision data indicates that their installation is needed to address operational and/or safety issues. The Ontario Traffic Manual (OTM) specifies the warrant process to be followed by the City of London. This process takes into consideration the volume of traffic/pedestrians using the intersection, the delay experienced by side street traffic/pedestrians and the collision history of the intersection while still acknowledging that traffic control signals can be detrimental to the operational efficiency of our roadway system.

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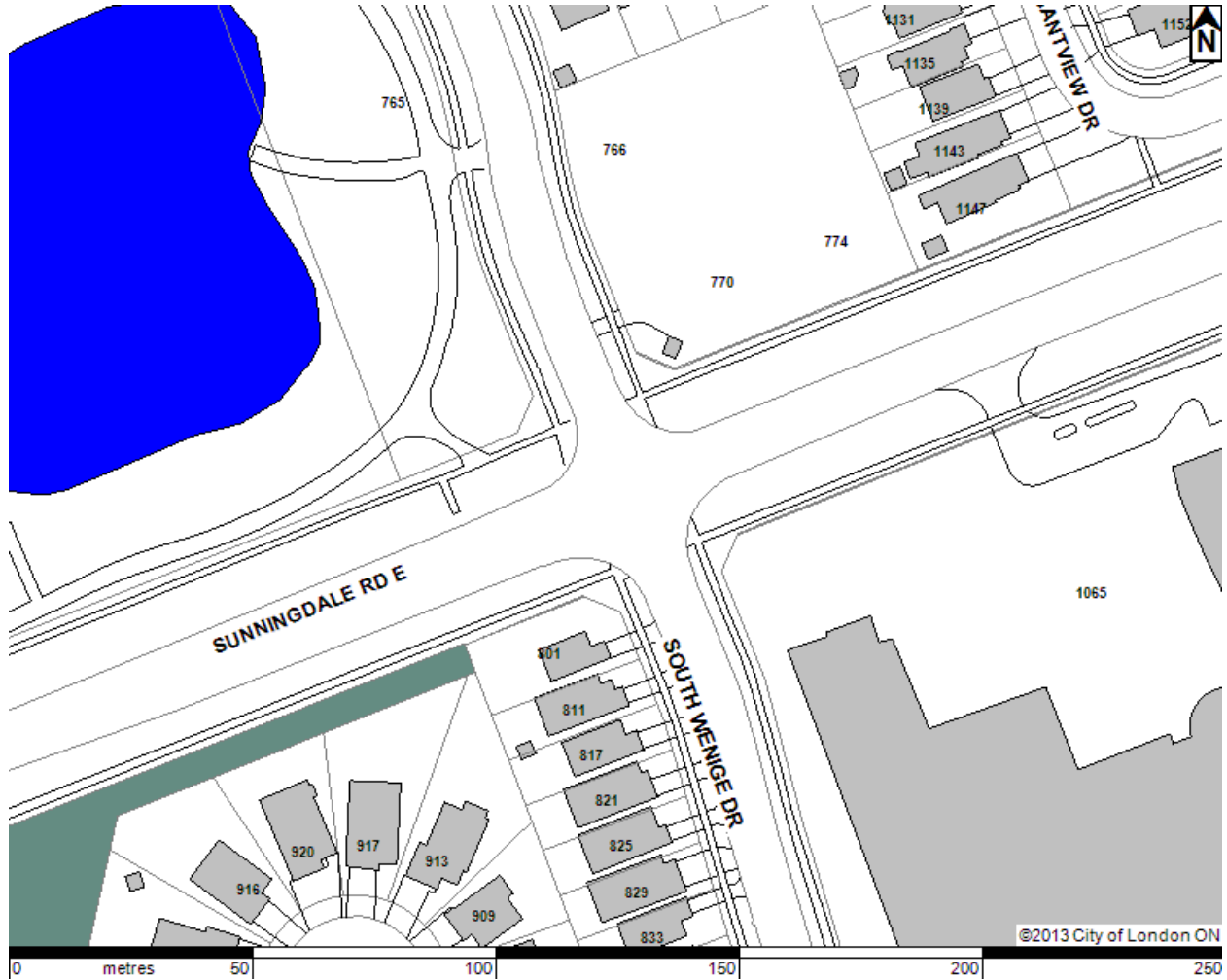
Waterman Avenue at Wellington Road



The intersection of Waterman Avenue and Wellington Road is currently controlled by a stop sign on Waterman Avenue. Council approved the construction of a new driveway servicing the London Health Sciences Centre/St. Josephs Health Care site to the east. As part of the development approval process, the installation of a traffic signal at this location was approved when the driveway access was opened. Construction of the traffic signal is scheduled for this year.

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Sunningdale Road at South/North Wenige Drive (west leg)



The intersection of Sunningdale Road and South Wenige Drive (west leg) is currently controlled by stop signs on South Wenige Drive and North Wenige Drive. Development and traffic in the area has steadily grown and numerous traffic studies have been conducted at this intersection.

Traffic volumes on South & North Wenige Drive have grown to a point that the OTM traffic signal warrant for combined volume and delay is now satisfied. It should be noted that Mother Teresa Secondary School is located on the south-east corner of the intersection and the Stoney Creek Community Centre is located just west of the intersection on the north side of Sunningdale Road. A traffic signal is recommended at this location to address traffic delays and pedestrian safety issues.

CONCLUSIONS

The installation of a traffic signal at the Waterman Avenue/Wellington Road intersection was previously approved by Council as part of a development agreement. The proposed traffic signal at the intersection of Sunningdale Road/South Wenige Drive (west leg) meets the requirements for traffic signals as identified in the OTM and will assist the large number of pedestrians crossing Sunningdale Road to access the school or community centre.

The construction cost associated with the Waterman Avenue/Wellington Road traffic signal is the responsibility of the hospital. The construction cost for the Sunningdale Road/South Wenige Drive (west leg) is estimated to be \$210,000 using previously approved Capital Budget funds (TS4160). There are no anticipated additional operating costs in the 2013 Environmental and Engineering Services Department budget due to this work. However, the installation of these traffic signals will result in an increase of \$12,800 per year in subsequent years.

Agenda Item #

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PREPARED BY:	RECOMMENDED BY:
SHANE MAGUIRE, P. ENG. DIVISION MANAGER ROADWAY LIGHTING & TRAFFIC CONTROL	EDWARD SOLDO, P.ENG. DIRECTOR, ROADS AND TRANSPORTATION
REVIEWED & CONCURRED BY:	
JOHN BRAAM, P.ENG. MANAGING DIRECTOR ENVIRONMENTAL & ENGINEERING SERVICES AND CITY ENGINEER	

June 12, 2013

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