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TO:	CHAIR AND MEMBERS CIVIC WORKS COMMITTEE MEETING ON MAY 12, 2014
FROM:	JOHN BRAAM, P. ENG. MANAGING DIRECTOR, ENVIRONMENTAL & ENGINEERING SERVICES & CITY ENGINEER
SUBJECT:	SUNNINGDALE ROAD & WONDERLAND ROAD NORTH ROUNDABOUT CONSTRUCTION ADMINISTRATION APPOINTMENT OF CONSULTING ENGINEER

RECOMMENDATION

That on the recommendation of the Managing Director, Environmental and Engineering Services & City Engineer, the following actions be taken with respect to awarding the 2014 Sunningdale Road and Wonderland Road North Roundabout Implementation:

- (a) Dillon Consulting Limited **BE APPOINTED** Consulting Engineers for the contract administration and resident supervision of the said project in the amount of \$315,949.15 (excluding H.S.T.) in accordance with Section 15.2 (g) of the Procurement of Goods and Services Policy.
- (b) the financing for this project **BE APPROVED** as set out in the Source of Financing Report attached hereto as Appendix 'A';
- (c) the Civic Administration **BE AUTHORIZED** to undertake all the administrative acts that are necessary in connection with this project;
- (d) the approval given herein **BE CONDITIONAL** upon the Corporation entering into a formal contract or issuing a purchase order for the material to be supplied and the work to be done relating to this project (Tender 14-53); and,
- (e) the Mayor and City Clerk **BE AUTHORIZED** to execute any contract or other documents, including purchase orders and agreements required to give effect to these recommendations.

PREVIOUS REPORTS PERTINENT TO THIS MATTER
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- Environment and Transportation Committee – June 22, 2009 – Appointment of Consulting Engineers; Class Environmental Assessments for Hyde Park Road, Sarnia Road, Sunningdale Road
- Built and Natural Environment Committee – October 17, 2011 – Sunningdale Road – Interim Maintenance Strategy
- Civic Works Committee – May 29, 2012 – Sunningdale Road – Environmental Study Report
- Civic Works Committee – September 9, 2013 - Sunningdale Road & Wonderland Road North Roundabout Detailed Design and Tendering Appointment of Consulting Engineer

BACKGROUND

Purpose

This report seeks the approval of the Committee and Council to appoint an engineering consultant to proceed with the provision of engineering services for the the contract administration and resident supervision for the construction of a roundabout at Sunningdale Road West and Wonderland Road North.

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Context

The Sunningdale Road Environmental Study Report (ESR) was approved by Council in June of 2012, with the public review period ending in June, 2013. The Environmental Study Report (ESR) recommended the widening of the existing roadway from two to four lanes with on-road bicycle lanes and local turning lanes, as well as roundabouts at Wonderland Road North and Adelaide Street North.

The first phase of the proposed improvements is a roundabout at Sunningdale Road West and Wonderland Road North. The recommended roundabout implementation will improve traffic operational efficiency and begin staged implementation of the future widening of the Sunningdale Road West corridor by converting the two-way, stop-controlled intersection to a multi-lane roundabout.

The intersection of Sunningdale Road West and Wonderland Road North has been identified as a high priority project. Traffic data confirms there have been 30 collisions since January 2007 with 57% of the collisions being characterized as right angle movements, noting that 12% is typical for a major intersection. It should also be noted that from May 2003 to April 2004, three fatalities occurred at this intersection and safety improvements were undertaken including oversized stop signs, an overhead flashing light and unique pavement markings. As traffic has continued to grow, intersection control through the implementation of a roundabout is necessary.

The roundabout implementation includes the installation of sanitary sewer, and storm sewer for future development growth. The project also includes illumination, sidewalks, bike lanes, landscaping, upgrades to storm drainage, and upgrades to existing watermain.

The recommended roundabout will increase accessibility with the addition of lanes approaching and through the roundabout. The addition of bicycle lanes will also provide a level of accessibility with added safety to cyclists. Cyclists approaching the roundabout will have the option of occupying the driving lane to navigate the roundabout as a vehicle (for advanced cyclists) or exiting the roadway to the multi-use path (for novice cyclist) via a concrete ramp. The inclusion of sidewalks will allow for an increase in accessibility by pedestrians. AODA upgrades such as tactile sidewalk plates will be included.

DISCUSSION

Contract Design and Preparation

Sunningdale Road and Wonderland Road North are both major arterial roads that are predominantly two lanes wide and their intersection represents a vital link in the City of London's arterial road network.

The recommended improvements for this intersection include:

- Widening of the roadways approaching the roundabout to four lanes to accommodate the existing and future travel demands and improve traffic safety;
- Sidewalks and street lighting along all four quadrants of the intersection to improve safety and accessibility for pedestrians;
- Bicycle lanes to better accommodate commuter cyclists as recommended by London's Bicycle Master Plan;
- Bicycle ramps and multi-use path to accommodate cyclists through the roundabout;
- Upgrades to underground infrastructure including storm and sanitary sewer installations for future growth; and
- Landscaping will be placed in the central island and in the splitter islands where space is available.

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Utility Relocations

The road widening necessitated minimal utility relocations involving London Hydro. Utility relocations are underway at the intersection and are expected to be complete before construction starts. Utility companies were advised to complete their relocations by May 2014. The relocations were undertaken separately and partially funded by the City as necessary based on standard utility cost-sharing agreements.

Tree Removal and Trimming

Tree removal and trimming as required was undertaken in April of 2014. These removals were done in conjunction with the London Hydro relocations.

Construction Considerations

Traffic Staging

Due to the size and scope of the improvements two lanes of traffic will not be maintained throughout the duration of construction project. The various stages of the construction plan include partial and full intersection/road closures with detour routes that will be posted when required. 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.

Consultation

Every effort will be made to ensure Londoners are aware of construction and traffic detours resulting from this and other important road work. The social impact is being mitigated through coordination and communication. The specific communication strategies include:

- 2014 construction program media release;
- PIC meeting for this project was held on April 3, 2014;
- Provided report on March 24, 2014 to the Committee and Council with an overview of this and other planned City and development related major construction projects for 2014.
- Communication with the LTC, Police, Fire, EMS, school boards and school bus providers and Canada Post;
- Renew London website, www.london.ca/construction (project updates, daily email to media and emergency services);
- Social media (Facebook and Twitter); and,
- Advanced warning signs.

In addition to the above, during detailed design staff met with the County of Middlesex and the Sunningdale Golf and Country Club to coordinate this project's construction closures and detours to minimize impact on their respective activities.

Consulting Services

City staff procured Dillon Consulting Limited for the detailed design of this contract in accordance with the Procurement of Goods and Services Policy. The process included Request for Proposal (RFP) submissions, which identified the selected consultant from a list of four engineering consultants based on evaluations from a City project team.

In accordance with Section 15.2(g) of the Procurement of Goods and Services Policy, Civic Administration is recommending that Dillon Consulting Limited be authorized to carry out the remainder of engineering services as construction administrators to complete this project for a fee estimate of \$315,949.15 (excluding H.S.T.). The City's requirement for record drawings following construction necessitates the reviewing engineer seal them on the basis of field verification and ongoing involvement. Consequently, the continued use of Dillon Consulting Engineers who created and sealed the design is required to not violate the City practice of Professional Engineers sealing record drawings. The continued use of Dillon on this project for construction administration is of financial advantage to the City due to the fact that the firm has

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specific knowledge of the project and has undertaken work for which duplication would be required.

CONCLUSION

It is recommended Dillon Consulting be awarded the consulting assignment for the contract administration and resident supervision of the Sunningdale Road West and Wonderland Road North roundabout at an upset amount of \$315,949.15 (excluding H.S.T.) and including a 10% contingency.

Dillon Consulting Limited has demonstrated an understanding of the City requirements for this project and it is recommended that this firm continue as the consulting engineer for the purpose of contract administration as it is in the best financial and technical interests of the City.

Acknowledgements:

This report was prepared with assistance from Ted Koza, P.Eng., Environmental Services Engineer in the Transportation Planning and Design Division in consultation with Josh Ackworth, C.E.T., Technologist II in the Transportation Planning and Design Division

PREPARED BY:	REVIEWED & CONCURRED BY:
DOUG MACRAE, P. ENG. DIVISION MANAGER TRANSPORTATION PLANNING & DESIGN	EDWARD SOLDI, P. ENG. DIRECTOR, ROADS AND TRANSPORTATION
RECOMMENDED BY:	
JOHN BRAAM, P. ENG. MANAGING DIRECTOR, ENVIRONMENTAL & ENGINEERING SERVICES & CITY ENGINEER	

c: Pat Shack
Marta Semeniuk
Dillon Consulting Limited

Attachments: Appendix 'A' – Source of Financing