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TO:	CHAIR AND MEMBERS CIVIC WORKS COMMITTEE MEETING ON FEBRUARY 2, 2016
FROM:	JOHN BRAAM, P.ENG. MANAGING DIRECTOR, ENVIRONMENTAL & ENGINEERING SERVICES AND CITY ENGINEER
SUBJECT:	CONTRACT AWARD: TENDER NO. 15-101 SARNIA ROAD IMPROVEMENTS WONDERLAND ROAD NORTH TO SLEIGHTHOLME AVENUE

RECOMMENDATION

That, on the recommendation of the Managing Director, Environmental & Engineering Services and City Engineer, the following actions **BE TAKEN** with respect to the award of a contract for the Sarnia Road Improvements between Wonderland Road North and Sleightholme Avenue:

- (a) the bid submitted by Van Bree Drainage and Bulldozing Limited, at its submitted tendered price of \$8,990,525.15 (excluding H.S.T.), for said project **BE ACCEPTED**; it being noted that the bid submitted by Van Bree Drainage and Bulldozing Limited was the lowest of six (6) bids received and meets the City's specifications and requirements in all areas;
- (b) Dillon Consulting Ltd., **BE AUTHORIZED** to carry out the resident inspection and contract administration of the said project in the amount of \$606,141.80 (excluding H.S.T.), in accordance with Section 15.2 (g) of the Procurement of Goods and Services Policy;
- (c) the financing for this project **BE APPROVED** as set out in the Sources of Financing Report attached hereto as Appendix "A" noting that the budget for this project is included in 2016 and subject to final budget approval on March 10, 2016, so contract award for this project will not proceed until after budget approval;
- (d) the Civic Administration **BE AUTHORIZED** to undertake all the administrative acts that are necessary in connection with this project;
- (e) the approval given herein **BE CONDITIONAL** upon the Corporation entering into a formal contract for the material to be supplied and the work to be done relating to this project (Tender 15-10); and,
- (f) the Mayor and City Clerk **BE AUTHORIZED** to execute any contract or other documents, if required, to give effect to these recommendations.

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PREVIOUS REPORTS PERTINENT TO THIS MATTER

- 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 - May 2, 2011 – Additional Engineering Fees Class Environmental Assessment
- Civic Works Committee – April 22, 2013 – Sarnia Road Environmental Study Report, Notice of Completion
- Civic Work Committee – August 25, 2014 – Sarnia Road Improvements, Detailed Design and Tendering Appointment of Consultant

2015 - 19 STRATEGIC PLAN

The following report supports the Strategic Plan through the strategic focus area of *Building a Sustainable City* by improving mobility for cyclists, transit, automobile users and pedestrians. The project provides a vital roadway network improvement and will also improve the reliability of the local transit service.

BACKGROUND

Purpose

This report recommends the award of a construction tender to a contractor and the continuation of engineering consulting services for the Sarnia Road Improvements Project.

Context

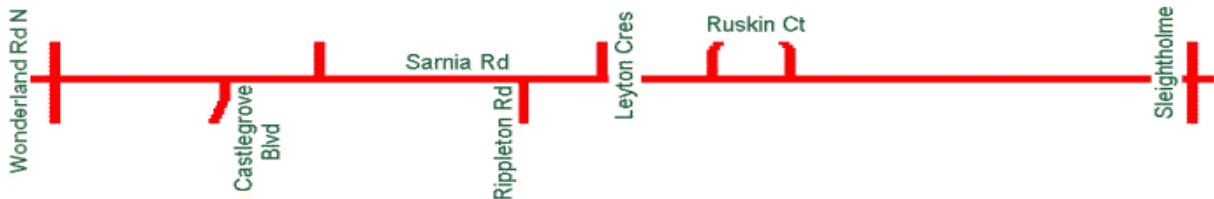
Sarnia Road, an east-west arterial road in the northwest area of the City of London extends approximately 5 km, from Hyde Park Road in the west to Western University (Western Road) at the east limit. It is one of the primary access points from the west end of the City to the University as well as to the downtown.

The City has experienced a significant amount of growth in the northwest end over the last several years, including in Hyde Park and along the Sarnia Road corridor, west of the CP Rail corridor.

A series of improvements are underway throughout the Sarnia Road Corridor. Previous phases include the replacement of the Sarnia Road Bridge and widening west of Wonderland Road. Future phases include two-lane upgrades between the bridge and Hyde Park Road and intersection improvements at Western Road. An Environmental

Assessment (EA) for the current phase of improvements, identified in **Figure 1**, was completed in May 2013 which recommended widening Sarnia Road from three to four lanes with turn lanes, bicycle lanes and sidewalks in both directions.

Figure 1: Sarnia Road Improvements Project Limits



There has been considerable public consultation associated with this project. Project information has been distributed to residents, First Nations and agencies numerous times via various mediums including mail and the City's website. Four formal public meetings have been hosted for this project to increase awareness and to obtain input from Londoners. The most recent meeting, Public Information Centre, was held on October 21, 2015 and was attended by over 50 area residents including representation from the Orchard Park/Sherwood Forest Ratepayers association.

DISCUSSION

Contract Design and Preparation

Sarnia Road from Wonderland Road North to Sleightholme Avenue is a major arterial road that is currently predominantly three lanes wide and represents a vital link in the City of London's arterial road network.

The recommended improvements for this corridor include:

- Widening of the existing roadway to four lanes with auxiliary lanes to accommodate the existing and future travel demands and improve traffic safety;
- A westbound dedicated transit turn lane to provide transit priority in order to improve transit operations and attractiveness;
- Sidewalks along both sides of the corridor to improve safety and accessibility for pedestrians;
- Buffered bicycle lanes to better accommodate cyclists;
- Relocation of the Intersection Pedestrian Signal (IPS) east of Rippleton Road
- Localized turn restrictions at the Leyton Crescent and Castlegrove Boulevard west leg intersections to improve safety;
- Upgrades to underground servicing including watermain and sewer installations;
- Aesthetic enhancements to the northeast corner of Sarnia Road and Wonderland Road North;
- Noise wall installations where warranted by the road widening; and,
- Boulevard tree plantings carried out under a subsequent landscaping contract.

Utility Relocations

The road widening necessitated numerous utility relocations involving London Hydro, Union Gas, Bell Canada and Rogers. Utility relocations have been underway along the

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corridor since the fall of 2015. The relocations are being undertaken separately and partially funded by the City as necessary based on standard utility cost-sharing agreements.

Tree Removal and Trimming

Localized tree removal and trimming as required will be undertaken in March of 2016. New tree planting will occur in the final stages of the project.

Construction Considerations

Traffic Staging

Due to the size and scope of the improvements, construction is anticipated to begin in March 2016, and is expected to be substantially completed by November 2016 with minor works and surface asphalt being placed in the following year (2017). Two lanes of traffic will be maintained throughout the duration of the construction project. Some work at intersections or at service crossing points may require weekend work, night work, consecutive shifts and the use of police services to control traffic.

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/construction with information about road closures, ongoing and upcoming projects on city streets.

Tender Process

The City utilizes a construction industry that is sourced by many infrastructure owners such as developers, the province and other municipalities. It is advantageous to the City to tender and award large scale projects such as this as early in the construction season as possible. This project was tendered December 2, 2015. In doing so, staff realized the advantage of a more competitive bidding environment which factored into a favorable price. An early start will also enable the contractor to coordinate the numerous trades early in the construction season. This early start will not only create efficiencies for both the City and contractor but will ultimately increase the time available for completing this important construction project.

The budget for this project is included in 2016 and therefore not yet approved by Council. Due to the schedule for Civic Works Committee meetings, this report is being presented on February 1, 2016, seeking Municipal Council approval on February 16, 2016 with the understanding that contract award will not proceed until after budget approval on March 10, 2016.

Tender Summary

Tenders for the Sarnia Road Improvements were opened on Wednesday, December 2 2015. Six (6) contractors submitted tenders prices as listed below (excluding H.S.T.).

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CONTRACTOR		TENDER PRICE SUBMITTED (\$)	CORRECTED TENDER PRICE (\$)
1.	Van Bree Drainage and Bulldozing Ltd.	8,990,525.15	--
2.	Bre-Ex Construction Inc.	9,343,786.66	9,343,027.66
3.	L82 Construction Ltd.	9,518,769.38	--
4.	J-AAR Excavating Ltd.	9,673,565.25	--
5.	AMICO Infrastructures (Oxford) Inc.	10,071,499.15	--
6.	Blue-Con Construction	10,350,183.65	--

All tenders have been checked by the Environmental and Engineering Services Department and Dillon Consulting Ltd. The review confirmed that the tender submitted by Bre-Ex Construction Inc. contained calculation errors resulting in a revised Total Contract Price as noted above. The other tenders submitted were free from errors. The results of the tendering process indicates a competitive process. Funds adequate for this award of this tender are identified in the Capital Budget submission.

Consulting Services

City staff procured Dillon Consulting Ltd. for the detailed design of this contract with a thorough, competitive two stage consultant acquisition process for this complex project in accordance with the Procurement of Goods and Services Policy. The process, which included a publicly advertised Request for Qualifications (RFQ) and a Request for Proposal (RFP), identified the selected consultant from a list of five engineering consultants based on evaluations from a comprehensive 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 Ltd. be authorized to carry out the remainder of engineering services as construction administrators to complete this project for a fee estimate of \$606,141.80 (excluding H.S.T.). 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 specific knowledge of the project and has undertaken work for which duplication would be required if another firm were to be selected. The City's requirement for the creation of 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 who created and sealed the design is required to not violate the City practice of Professional Engineers sealing record drawings. The approval of this work will bring the value of the overall consulting assignment to \$1,026,266.60.

CONCLUSION

Civic Administration has reviewed the tender bids and recommends Van Bree Drainage and Bulldozing Limited be awarded the contract for the Sarnia Road Improvements Project. Award of the contract would occur after approval of the Capital Budget, currently anticipated in early March.

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Dillon Consulting Ltd. 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 to the best financial and technical interests of the City.

Anticipated additional annual operating costs to budgets in 2017 and subsequent years associated with the additional road infrastructure is \$35,000, new sewer infrastructure is \$2,900, parks operations is \$6,000 and new street light infrastructure is \$3,600.

Acknowledgements

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

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

TK/ja

Attach: Appendix "A" – Source of Financing

- c. J. Johnson, P.Eng. Dillon Consulting Ltd.
- Van Bree Drainage and Bulldozing Limited