

TO:	CHAIR AND MEMBERS CIVIC WORKS COMMITTEE MEETING ON MARCH 27, 2017
FROM:	KELLY SCHERR, P. ENG, MBA, FEC MANAGING DIRECTOR, ENVIRONMENTAL & ENGINEERING SERVICES AND CITY ENGINEER
SUBJECT:	CONTRACT AWARD: TENDER NO. 17-21 SARNIA ROAD IMPROVEMENTS PHASE 3 HYDE PARK ROAD TO OAKCROSSING GATE

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 Hyde Park Road and Oakcrossing Gate:

- (a) the bid submitted by Bre-Ex Construction Inc. at its submitted tendered price of \$4,636,899.67 (excluding HST), for the said project **BE ACCEPTED**; it being noted that the bid submitted by Bre-Ex Construction Inc. was the lowest of six bids received and meets the City's specifications and requirements in all areas;
- (b) AECOM Canada Ltd., **BE AUTHORIZED** to carry out the resident inspection, contract administration of the said project in the amount of \$273,295 (excluding HST), 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;
- (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 17-21); and,
- (f) the Mayor and City Clerk **BE AUTHORIZED** to execute any contract or other documents, if required, to give effect to these recommendations.

PREVIOUS REPORTS PERTINENT TO THIS MATTER
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- Environment and Transportation Committee – January 11, 2010 – Sarnia Road Environmental Study Report
- Built and Natural Environment Committee – March 7, 2011 – Sarnia Road Bridge Improvements Phase 1 – CPR Grade Separation

- Civic Works Committee – June 13, 2013 – Sarnia Road Improvements Phase 2 – Road Widening from Wonderland Road N to Aldersbrook Road
- Civic Works Committee – December 01, 2015 – Sarnia Road Improvements Phase 3 – Design Award

2015-19 STRATEGIC PLAN

The following report supports the Strategic Plan through the strategic focus area of Building a Sustainable City by building new Growth Management Implementation Strategy (GMIS) transportation infrastructure as London grows. Improving this corridor for all road users will contribute to providing convenient and connected mobility choices.

BACKGROUND

Purpose

This report recommends the award of a construction tender to a contractor and the continuation of engineering consulting for the Sarnia Road Improvements Phase 3 Project. The project limits are on Sarnia Road from 125 m west of Oakcrossing Gate to 300 m east of Hyde Park Road as displayed in Figure 1. Construction of this phase will complete the corridor improvements between Wonderland Road and Hyde Park Road.

Figure 1: Sarnia Road Improvements Project Limits



Context

The City of London is responsible for a transportation system that promotes the movement of goods and services to strengthen our economic growth and provides for sustainable transportation mobility choices for residents that improve our quality of life.

In 2010, an Environmental Assessment was completed to identify a preferred design for the Sarnia Road corridor between Wonderland Road and Hyde Park Road. The study also recommended construction in three phases and the coordinated servicing for undeveloped lands.

The Sarnia Road Improvements Phase 3 project is identified in the GMIS. The Transportation Development Charge Background Study recommends a two lane upgrade to this road section in 2017. The project supports area development by facilitating the construction of required servicing along Sarnia Road. The local development needs are coordinated with the project design.

DISCUSSION

Sarnia Road between Hyde Park Road and Oakcrossing Gate is classified as a Civic Boulevard in the London Plan and is currently comprised of two through lanes. The 2014 Development Charges Background Study identified this segment of road as requiring improvements to facilitate growth. Phase 1 and 2 of the project between Wonderland Road and Hyde Park Road has been completed. This included reconstruction of the CPR railway grade separation and widening Sarnia Road from two lanes to four Lanes from Wonderland Road North to Oakcrossing Gate.

The study also recommended the following for Phase 3:

- 2-lane reconstruction of Sarnia Road from Hyde Park Road to 125 m west of Oakcrossing Gate; and,
- Addition of curb and gutter, on street bicycle lanes, sidewalk, low impact development features, sanitary sewer extension, new watermain and illumination.

The recommended improvements for this corridor will accommodate the existing and future travel demands and improve traffic safety. The addition of bicycle lanes and sidewalks in both directions will also improve accessibility and safety for cyclists and pedestrians.

Construction Considerations

Due to the size and scope of the improvements, construction is anticipated to begin in May 2017, and is expected to be substantially completed by November 2017 with minor works and surface asphalt being placed in 2018. Two lanes of traffic will be maintained throughout the duration of the construction project. Some work nearby intersections or at service crossing points may require weekend work, night work, consecutive shifts and the use of police services to control traffic.

This project is one of the major capital project identified in the 2017 Renew London Infrastructure Construction Program report to Civic Works Committee on January 10, 2017. 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 Summary

Tenders for the Sarnia Road Project were opened on Wednesday, February 15, 2017. Six (6) contractors submitted tender prices as listed below (excluding HST).

CONTRACTOR		TENDER PRICE SUBMITTED (\$)	CORRECTED TENDER PRICE (\$)
1.	Bre-Ex Construction Inc.	4,636,899.67	---
2.	Blue-Con Construction	4,988,953.25	---
3.	J-AAR Excavating Limited	5,238,570.00	---
4.	Amico Infrastructures Inc.	5,327,679.70	---
5.	Birnam Excavating Ltd.	5,859,426.07	---
6.	L82 Construction Ltd.	5,977,293.95	---

All tenders have been checked by the Environmental and Engineering Services Department and AECOM Canada Ltd. All 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. The tender estimate prior to tender opening was approximately \$4,799,035 (excluding HST).

Consulting Services

In 2015, City staff procured AECOM Canada 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 an inclusive City project team.

Due to the consultant's knowledge and positive performance on the project, the consultant was invited to submit a proposal to carry out the contract administration and resident supervision. Staff have reviewed the fee submission in detail considering the hourly rates provided by each of the Consultant's staff members. City staff have confirmed that hourly rates are consistent with those submitted through competitive processes. City Staff also reviewed the time allocated to each project related task. The amount of time allocated to each project task is consistent with prior projects of a similar nature that have been awarded through a competitive process.

The continued use of AECOM 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. This requirement promotes consultant accountability for the design. Consequently, the continued use of AECOM who created and sealed the design drawings is required in order maintain this accountability process. The approval of this work will bring the value of the overall consulting assignment to \$444,169 (excluding HST).

In accordance with Section 15.2 (g) of the Procurement of Goods and Services Policy, Civic Administration is recommending that AECOM Canada Ltd. be authorized to carry out the remainder of engineering services as construction administrators to complete

this project for a fee estimate of \$273,295 (excluding HST). These fees are associated with the inspection services necessary to ensure the City receives the construction product specified and value for the investment.

CONCLUSION

Civic Administration has reviewed the tender bids and recommends Bre-Ex Construction Inc. be awarded the contract for the Sarnia Road Improvements Phase 3 Project.

AECOM Canada 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 2017 contract administration and inspection services as it is in the best financial and technical interests of the City.

Anticipated additional annual operating costs to budgets in 2018 and subsequent years associated with the additional road infrastructure is \$11,000, new sewer infrastructure is \$2,150, parks operations is \$5,000 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 & CONCURRED BY:
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RECOMMENDED BY:	
KELLY SCHERR, P.ENG., MBA, FEC MANAGING DIRECTOR, ENVIRONMENTAL & ENGINEERING SERVICES AND CITY ENGINEER	

Attach: Appendix A: - Source of Financing

- c. D. Carter, P. Eng., AECOM Canada Ltd.
Bre-Ex Construction Inc., 247 Exeter Rd, London, ON N6L 1A5