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TO:	CHAIR AND MEMBERS CIVIC WORKS COMMITTEE MEETING ON DECEMBER 1, 2015
FROM:	JOHN BRAAM, P.ENG. MANAGING DIRECTOR, ENVIRONMENTAL & ENGINEERING SERVICES AND CITY ENGINEER
SUBJECT:	SARNIA ROAD IMPROVEMENTS PHASE 3 HYDE PARK ROAD TO OAKCROSSING GATE DETAILED DESIGN APPOINTMENT OF CONSULTING ENGINEER

RECOMMENDATION

That on the recommendation of the Managing Director, Environmental & Engineering Services and City Engineer, the following actions **BE TAKEN** with respect to the Sarnia Road Improvements Phase 3 Project:

- (a) AECOM Canada Ltd., **BE APPOINTED** Consulting Engineers to complete the detailed design of the said project in the amount of \$170,874 (excluding H.S.T.), in accordance with Section 15.2 (e) of the Procurement of Goods and Services Policy;
- (b) the financing for this project **BE APPROVED** as set out in the Sources 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 approvals given herein **BE CONDITIONAL** upon the Corporation entering into a formal contract with the consultant for the work; and,
- (e) 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 – November 10, 2008 – Appointment of Consulting Engineer
- Environment and Transportation Committee – January 11, 2010 – Environmental Assessment
- Environment and Transportation Committee – May 10, 2010 – Design Award

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- 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

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 seeks the approval of the Municipal Council to retain an engineering consultant to undertake the detailed design and tendering for the Sarnia Road Improvements Phase 3 Project: Sarnia Road from 125 m west of Oakcrossing Gate to 300 m east of Hyde Park Road.

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. The study also reviewed opportunities to complete the construction in several stages and to coordinate servicing opportunities for undeveloped lands.

The Sarnia Road Improvements Phase 3 are identified in the GMIS. The Transportation Development Charge Background Study recommended 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 will be coordinated with the project design.

DISCUSSION

Project Description

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

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The study 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, sanitary sewer extension, new watermain and illumination.

Sarnia Road Phase 3 improvements will include drainage improvements, sewer and watermain works, localized turning lanes, bike lanes, sidewalks, and street lighting. The 2010 EA identified long term widening to four lanes and this is identified in the Development Charges Background Study for construction in 2027. The current design will include provisions to facilitate the future widening from 2 to 4 through lanes.

The recommended improvements will improve traffic operations with the addition of turning lanes at the intersections. The addition of bicycle lanes and sidewalks in both directions will also improve accessibility and safety for cyclists and pedestrians. An aerial image showing the section of Sarnia Road within the project limits is presented in Figure 1.

Figure 1: Project Area



The project limits extend along Sarnia Road from approximately 125m west of Oakcrossing Gate to 300m east of Hyde Park Road.

The primary components that will be incorporated in this assignment include:

- design of turn lanes, bike lanes, and sidewalks where necessary to balance the requirements of all current and potential users of all ages and abilities within the community;
- coordination of underground service needs, including sanitary sewer extensions, as needed;
- stormwater management (SWM) analysis and design;
- co-ordination with the geotechnical sub-consultant who will provide recommendations for subsurface design parameters for services and pavements;
- and,

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- preparation of the complete tender package, including advertisement, review of the submitted tenders for completeness, and contractor recommendation.

Consultant Selection

The consultant procurement process used a two stage process beginning with an open advertised Request for Qualifications (RFQ). Based on the received submissions, a shortlist of three consulting firms was created. AECOM Canada Ltd., Dillon Consulting Ltd. and AGM Engineering Ltd., were short-listed and asked to submit detailed proposals and work plans. All firms responded with written proposals including a summary of the project tasks, schedule, and costs. An evaluation committee reviewed the submissions for the project.

Based on the evaluation criteria and best value based selection process identified in the Request for Proposals, the evaluation committee determined that the proposal from AECOM Canada Ltd., provides the best value to the City. AECOM has an experienced project team that had a clear understanding of the project scope and requirements. Their past proven experience on similar projects, combined with a project proposal that confirmed a thorough understanding of the goals and objectives, demonstrated their suitability for the undertaking. AECOM is familiar with City staff and procedures through recent work on other multi-disciplinary City assignments.

In accordance with Section 15.2 (e) of the Procurement of Goods and Services Policy, Civic Administration is recommending AECOM Canada Limited be appointed as the consulting engineer for the detail design. The submission from AECOM includes a fee submission that indicates that the detail design can be completed within the funds available in the project account. AECOM will be considered for the future construction administration phase if project performance is positive.

CONCLUSION

Phase 3 of the Sarnia Road Improvements is identified in the GMIS. The Development Charge Background Study recommended a two lane upgrade to this road section in the year 2017. Initiation of detail design is required now to meet this schedule. The construction will support and be coordinated with the development need in the area.

Major works may include drainage improvements, sewer and watermain works, localized turning lanes, bike lanes, sidewalks, and street lighting. The design will balance the requirements of all current and potential users of all ages and abilities within the community, including pedestrians, cyclists and motorists.

Based on the thorough consultant procurement process, it is recommended that AECOM Canada Limited be awarded the consulting assignment for the detailed design of Phase 3 of the Sarnia Road Improvements at an upset amount of \$170,874 (excluding H.S.T.).

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Acknowledgements

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

PREPARED BY:	REVIEWED AND 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 AND ENGINEERING SERVICES & CITY ENGINEER	

Attach: Appendix A – Source of Financing

- c. AECOM Canada Ltd.
 Pat Shack, Finance
 Geoff Smith, CSCMP, Purchasing and Supply