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TO:	CHAIR AND MEMBERS CIVIC WORKS COMMITTEE MEETING ON MARCH 8, 2016
FROM:	JOHN BRAAM, P.ENG. MANAGING DIRECTOR, ENVIRONMENTAL & ENGINEERING SERVICES AND CITY ENGINEER
SUBJECT:	CONTRACT AWARD: TENDER NO. 15-102 FANSHAWE PARK ROAD EAST IMPROVEMENTS ADELAIDE STREET NORTH TO MCLEAN DRIVE

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 Fanshawe Park Road Improvements between Adelaide Street North and McLean Drive:

- (a) the bid submitted by L82 Construction Ltd., at its submitted tendered price of \$12,584,809.81 (excluding H.S.T.), for said project **BE ACCEPTED**; it being noted that the bid submitted by L82 Construction Ltd. was the lowest of six (6) 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 and contract administration of the said project in the amount of \$828,250.50 (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";
- (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 15-102); 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 – April 6, 2009 – Addendum to Environmental Study Report
- Environment and Transportation Committee – July 20, 2009 – Appointment of Design Engineer

- Civic Works Committee – April 23, 2012 – Contract Award Fanshawe Park Road and Highbury Avenue Intersection Widening
- Civic Works Committee – August 25, 2014 – Fanshawe Park 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. Improvements to Fanshawe Park Road East provides a vital roadway network improvement for all users.

BACKGROUND

Purpose

This report recommends award of a construction tender to a contractor and continuation of engineering consulting services for the Fanshawe Park Road East Improvements Project as displayed in Figure 1.

Figure 1: Fanshawe Park Road Improvements Project Limits



Context

The Fanshawe Park Road East widening project was identified as a priority in the Smart Moves 2030 Transportation Master Plan. An Environmental Study Report (ESR) for the Fanshawe Park Road East Corridor from Adelaide Street to Highbury Avenue was completed in April 2009 as an addendum to a previous ESR.

The ESR report recommended that Fanshawe Park Road East be widened from two to four lanes with bicycle lanes, localized turning lanes and urbanized with curbs, sidewalks, illumination improvements, and noise attenuation where warranted. This work was specified to be done in two phases with the first phase being the intersection of Fanshawe Park Road and Highbury Avenue, completed in 2012. The second phase of construction will continue the widening to Adelaide Street and is anticipated to be constructed in 2016.

DISCUSSION

Contract Design and Preparation

Fanshawe Park Road East from Adelaide Street North to McLean Drive is an arterial road that is currently predominantly two 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;
- Sidewalks along both sides of the corridor to improve safety and accessibility for pedestrians;
- Buffered bicycle lanes to better accommodate cyclists;
- Stoney Creek Bridge minor widening to provide improved active transportation connections to the Stoney Creek multi-use pathway;
- Upgrades to underground servicing including watermain and sewer installations;
- 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 Cable. Utility relocations have been underway along the corridor since the fall of 2015. 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 were undertaken in the fall of 2015. 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 last the entire construction season and be substantially completed in November 2016. Minor works and surface asphalt will be placed in the following year. 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.

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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 23, 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.

Tender Summary

Tenders for the Fanshawe Park Road East Improvements were opened on Wednesday, December 23 2015. Six (6) contractors submitted tenders prices as listed below (excluding H.S.T.).

	CONTRACTOR	TENDER PRICE SUBMITTED (\$)	CORRECTED TENDER PRICE (\$)
1.	L82 Construction Ltd.	12,584,809.81	--
2.	Bre-Ex Construction Inc.	13,231,932.27	13,231,956.17
3.	McLean Taylor	13,759,995.00	--
4.	AMICO Infrastructures (Oxford) Inc.	13,941,976.39	13,941,985.46
5.	J-AAR Excavating Ltd.	14,285,185.10	--
6.	Blue-Con Construction	14,440,205.05	--

All tenders have been checked by the Environmental and Engineering Services Department and AECOM Canada Ltd. The review confirmed that the tenders submitted by Bre-Ex Construction Inc. and AMICO Infrastructures (Oxford) Inc. contained calculation errors resulting in revised Total Contract Prices 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 in the budget project accounts anticipated to be approved prior to the Council meeting scheduled for this item.

Consulting Services

City staff procured AECOM Canada Ltd. for the detailed design of this complex project with a thorough, competitive consultant acquisition process 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 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 \$828,250.50 (excluding H.S.T.). 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. Consequently, the continued use of AECOM 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 \$1,407,499.50.

CONCLUSION

Civic Administration has reviewed the tender bids and recommends L-82 Construction Ltd. be awarded the construction contract for the Fanshawe Park Road Improvements 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 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 \$55,000, new sewer infrastructure is \$2,200, and new street light infrastructure is \$5,600.

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 AND ENGINEERING SERVICES & CITY ENGINEER	

TK/ja

Attach: Appendix A – Source of Financing

cc. Peter McAllister, P.Eng, AECOM Canada Ltd.,250 York St, London, ON N6A 6K2.
L82 Construction Ltd., 2070 Huron St, London, ON N5V 5A7
Pat Shack