

TO:	CHAIR AND MEMBERS CIVIC WORKS COMMITTEE MEETING ON FEBRUARY 6, 2018
FROM:	KELLY SCHERR, P. ENG, MBA, FEC MANAGING DIRECTOR, ENVIRONMENTAL & ENGINEERING SERVICES AND CITY ENGINEER
SUBJECT:	CONTRACT AWARD: TENDER NO. 17-129 WESTERN ROAD / WHARNCLIFFE ROAD NORTH IMPROVEMENTS PHASE 2

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 Western Road/Wharncliffe Road North Improvements Phase 2 project:

- (a) the bid submitted by J-AAR Excavating Limited at its submitted tendered price of \$8,033,093.95 (excluding HST), for the said project **BE ACCEPTED**; it being noted that the bid submitted by J-AAR Excavating Limited was the lowest of five 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 \$414,036 (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 17-129);
- (f) the Mayor and City Clerk **BE AUTHORIZED** to execute any contract or other documents, including rail-related agreements if required, to give effect to these recommendations; and,
- (g) the installation of an intersection pedestrian signal on Western Road at Hollywood Crescent **BE APPROVED**.

PREVIOUS REPORTS PERTINENT TO THIS MATTER

- Civic Work Committee – April 24, 2017 – Contract Award: Tender No. 17-46 Western Road/Wharnccliffe Road North Improvement, Phase 1 Canadian Pacific Railway Grade Separation Reconstruction
- Civic Works Committee – January 5, 2016 – Western Road/Wharnccliffe Road North Widening, Appointment of Consulting Engineer
- Civic Works Committee – October 22, 2015 – Western Road/Wharnccliffe Road North Widening Environmental Study Report.
- Civic Works Committee – January 6, 2014 – Appointment of AECOM Canada Limited, Western Road/Wharnccliffe Road North Widening from Platts Lane to Oxford Street, Schedule 'C' Environmental Assessment.
- Civic Works Committee - July 22, 2013 – Reprioritization of Growth Management Implementation Strategy (GMIS) Transportation Projects.
- Civic Works Committee – June 19, 2012 – London 2030 Transportation Master Plan

2015-19 STRATEGIC PLAN

The following report supports the Strategic Plan through the strategic focus area of Building a Sustainable City by building new transportation infrastructure as London grows. The multi-modal improvements to the Western Road/Wharnccliffe Road North corridor will enhancing safe and convenient mobility choices for transit, automobiles, pedestrians and cyclists.

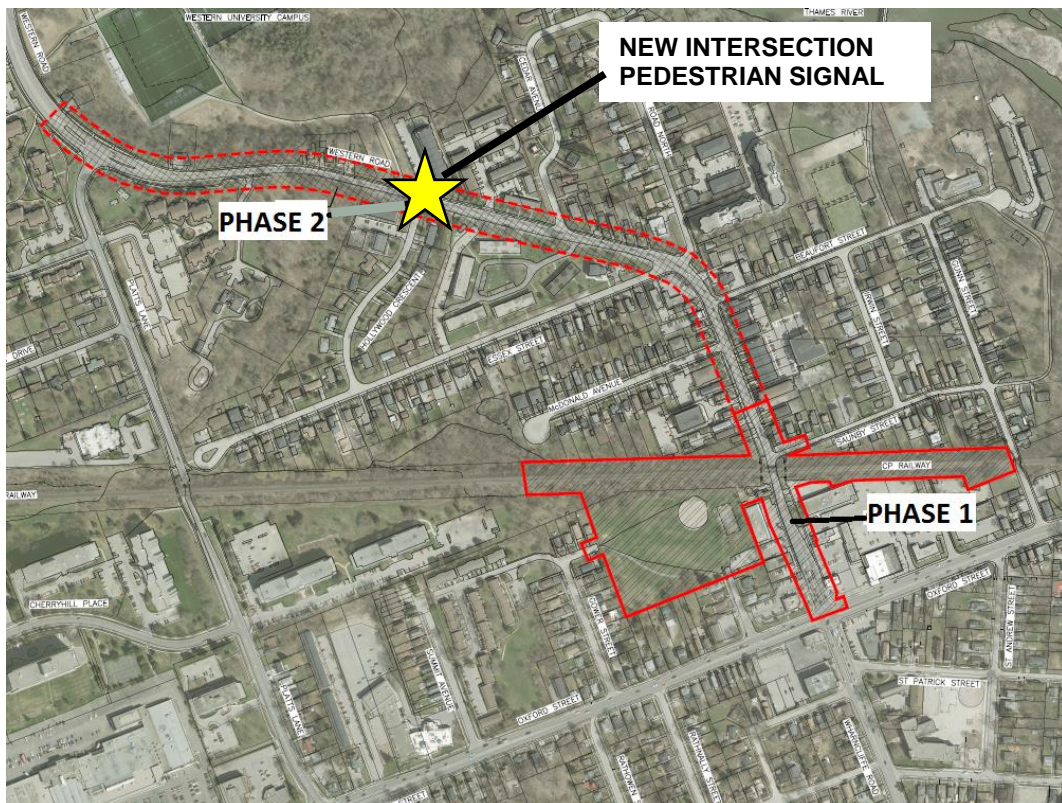
BACKGROUND

Purpose

This report recommends the award of a construction tender to a contractor and the continuation of engineering consulting services for Phase 2 of the Western Road/Wharnccliffe Road North Improvements project as displayed in Figure 1.

Phase 1 of the construction commenced in the summer of 2017 and included the Wharnccliffe Road North corridor from north of Oxford Street to Saunby Street; focusing on the CPR rail diversion and bridge replacement. The construction tender for Phase 2 encompasses the balance of the Western Road/Wharnccliffe Road North corridor through to the northern limit of the project at Platts Lane.

Figure 1: Western Road/Wharncliffe Road North Project Limits



Context

Western Road/Wharncliffe Road North was identified as a priority in the 2030 Transportation Master Plan (TMP). The project is identified in the Development Charge Background Study and was the subject of a previous reprioritization of transportation projects in the Growth Management Implementation Strategy (GMIS).

The project environmental assessment completed in October 2015 by AECOM identifies Western Road/Wharncliffe Road North as an essential multi-modal corridor designed to carry high volumes of traffic. The improvements will accommodate the high volumes of pedestrian movements, vehicle through traffic (including cyclists) and residential/commercial traffic in a safe and efficient manner and improve mobility.

The Western Road/Wharncliffe Road North Widening design recognizes and incorporates the significant planning, engineering and public consultation work completed to date. It identifies the physical improvements consisting of widening of Western Road/Wharncliffe Road North from two lanes to four lanes as part of the transportation network improvements required to address the future transportation needs of the City of London. The selected design minimizes impacts to adjacent properties and the natural heritage system.

DISCUSSION

Background

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.

Western Road and Wharncliffe Road North are currently congested in the peak hours; long traffic queues occur on the road. Under future conditions, growth is expected to continue and will further deteriorate traffic operations. Despite the close proximity to Western University and demands for improved active transportation facilities, this section of Western Road and Wharncliffe Road North does not currently have bicycle lanes and the existing sidewalks are narrow.

The CPR structure is the primary constraint that has prevented the implementation of road capacity increases consistent with the existing four lane road improvements to the north and south. The CPR subway structure could not accommodate the proposed increased cross-section of Wharncliffe Road North and is being replaced with a wider structure as part of the Phase 1 contract that commenced in the summer of 2017.

The complementary widening of Western Road/Wharncliffe Road North will address existing operational and safety concerns and accommodate forecasted traffic volumes. The widening also offers the opportunity to:

- reconstruct the roadway pavement structure to provide improved durability and rideability;
- improve geometric deficiencies to enhance both the safety and rideability;
- provide pedestrian and bicycle facilities, including continuous sidewalks and on-street bicycle lanes on both sides of the roadway, and trail connection opportunities consistent with the City's master plan;
- improve stormwater management and drainage along the corridor;
- upgrade watermains and wastewater sewers and provide local water and wastewater servicing;
- coordinate the relocation and upgrading of utility services; and,
- provide streetscape elements for community enhancements.

The environmental assessment identified that that an additional pedestrian crossing may be required in the vicinity of Hollywood Crescent to accommodate the large number of pedestrians crossing Western Road near this location to access transit stops and the Western University path system. A traffic study was undertaken which confirmed that the pedestrian volume warrant is satisfied. Therefore, an intersection pedestrian signal is recommended to facilitate the pedestrians crossing Western Road.

Construction Considerations

The City of London is making a significant investment to improve the Western Road/Wharncliffe Road North corridor. In order to maintain the project schedule, the scope of the overall project was divided into two phases.

Phase 1, which commenced in the summer of 2017, involves the reconstruction of the CPR grade separation and the replacement and reconstruction of sewers and roads from north of Oxford Street to the Saunby Street intersection. Phase 1, construction is expected to be substantially completed by November of 2018 with minor works and surface asphalt being placed in 2019.

Phase 2 involves the construction of the remaining portion of the Western Road/Wharncliffe Road North project from Saunby Street to Platts Lane. Works

included in this phase consist of:

- replacement and reconstruction of watermains, sewers and surface works;
- the widening of the roadway from two to four lanes;
- installation of intersection pedestrian signals at Beaufort Street (replacement) and Hollywood Crescent (new), new traffic signals at Platts Lane, and new street lighting throughout; and,
- final site restoration in the spring of 2019.

Construction staging for Phase 2 has been planned to maintain two lanes of traffic during construction. Additional short-term though temporary road closures are required for the adjacent Phase 1 rail bridge construction. 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 Western Road / Wharncliffe Road North Improvements Phase 2 project were opened on Wednesday, December 20th 2017. Five (5) contractors submitted tender prices as listed below (excluding HST).

	CONTRACTOR	TENDER PRICE SUBMITTED (\$)	CORRECTED TENDER PRICE (\$)
1.	J-AAR Excavating Limited	\$ 8,033,093.95	---
2.	Bre-Ex Construction Inc.	\$ 8,263,665.50	---
3.	Blue-Con Construction	\$ 8,889,969.69	---
4.	L82 Construction Ltd.	\$ 9,417,670.20	---
5.	Amico Infrastructures (Oxford) Inc.	\$ 9,892,173.82	---

The successful contractor is involved in the Phase 1 construction as a subcontractor. All tenders have been checked by AECOM Canada Ltd and the Environmental and Engineering Services Department. All tenders submitted were free from errors. The results of the tendering process indicate a competitive process. Adequate funds for this award of tender are identified in the capital budget. The tender estimate prior to tender opening was approximately \$8,121,238.00 (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 Canada Ltd 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 continued coordination of the Phase 1 construction that AECOM is administering is important.

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 triggers consultant accountability for the design. Consequently, the continued use of AECOM Canada Ltd 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 \$2,358,824.00 (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 \$414,036.00 (excluding HST). These fees are associated with the inspection services necessary to ensure the City receives the construction product specified. Efficiencies are being realized due to the consultant's presence in the area as a result of their Phase 1 administration activities.

CONCLUSION

Civic Administration has reviewed the tender bids and recommends J-AAR Excavating Limited be awarded the contract for the Western Road/Wharnccliffe Road North Improvements Phase 2 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 2018 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 infrastructure is:

- \$25,134 for Road Operations;
- \$1,100 for Sewer Operaitons;
- \$8,000 for Parks Operations; and,
- \$11,811 for Streetlighting.

Acknowledgements

This report was prepared with assistance from Max Kireev C.E.T., Technologist II, Matthew Davenport, Engineer in Training and Ted Koza, P. Eng., Transportation Design Engineer in the Transportation Planning & 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: Sources of Financing

- c. Peter McAllister, AECOM
J-AAR Excavating Limited