

TO:	CHAIR AND MEMBERS CIVIC WORKS COMMITTEE MEETING ON APRIL 24, 2017
FROM:	KELLY SCHERR, P. ENG, MBA, FEC MANAGING DIRECTOR, ENVIRONMENTAL & ENGINEERING SERVICES AND CITY ENGINEER
SUBJECT:	CONTRACT AWARD: TENDER NO. 17-57 2017 BRADLEY AVENUE WEST EXTENSION

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 Bradley Avenue West extension from Wonderland Road South to Wharncliffe Road South including Wharncliffe Road South intersection improvements:

- (a) the bid submitted by L82 Construction Ltd. at its submitted tendered price of \$6,917,000 (excluding HST), for the said project **BE ACCEPTED**; it being noted that the bid submitted by L82 Construction Ltd. was the lowest of five bids received and meets the City's specifications and requirements in all areas;
- (b) Archibald, Gray & McKay Engineering Ltd., **BE AUTHORIZED** to carry out the resident inspection, contract administration of the said project in the amount of \$592,830 (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 17-57); 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

- Civic Works Committee – December 1, 2015 – Bradley Avenue West Extension, Wharncliffe Road South to Wonderland Road South, Detailed Design Appointment of Consulting Engineer
- Environment and Transportation Committee - August, 22, 2005 - Bradley Avenue Extension, White Oak Road to Bostwick Road - Environmental Study Report

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. Creating this transportation 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 Bradley Avenue West extension from Wonderland Road South to Wharncliffe Road South including the Wharncliffe Road South intersection improvements as displayed in Figure 1. Construction of this project will initiate a phased series of Bradley Avenue Extension projects between Jalna Boulevard to Bostwick Road.

Figure 1: Bradley Avenue West Extension 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 2005, an environmental assessment was completed to identify a preferred design for the Bradley Avenue corridor between Bostwick Road to White Oak Road. The study recommended constructing the Bradley Avenue extension in three phases over a 10 to 15 year term and coordinating servicing for undeveloped lands.

The Transportation Development Charge Background Study recommended a new four lane road extension between Wonderland Road South and Wharncliffe Road South in 2017 to accommodate local development and improve transportation network operations in the broader area.

DISCUSSION

Bradley Avenue Extension between Wonderland Road South and Wharncliffe Road South is classified as an Urban Thoroughfare in the London Plan. The 2014 Development Charges Background Study identified this segment of road as a requirement to improve network operations. This first phase of the project includes construction of a new 4 lane road, storm sewers, street lighting, sidewalks, a two-way boulevard cycle track, landscaping, and the installation of a concrete culvert crossing at the Pincombe Drain including the removal of the existing weir immediately to the north. The Wharncliffe Road South works entail a road widening for the introduction of turn lanes at Bradley Avenue West with provisions for future signals and the development of the ultimate profile. Works also include sidewalks, grading, and street lighting.

As previously noted, this is the first of the three phases of improvements for the Bradley Avenue West Extension. Construction of the next two phases of the Bradley Extension is anticipated to commence in the following order:

- White Oak Road to Wharncliffe Road South – 2022
- Wonderland Road South to Bostwick Road – 2032

The recommended improvements for this corridor will accommodate the existing and future travel demands and improve traffic safety. It is an important connection to serve both transportation needs in London. The addition of bicycle facilities and sidewalks will also improve accessibility and safety for cyclists and pedestrians.

Construction Considerations

Construction is anticipated to commence May 2017, and is expected to be substantially completed by fall with minor works and surface asphalt being placed in 2018. The construction of intersection improvements at Wonderland Road and Wharncliffe Road will require reductions to two lanes of traffic on these roads. Some work 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 Bradley Avenue Extension Project were opened on Thursday, April 6th, 2017. Five (5) contractors submitted tender prices as listed below (excluding HST).

	CONTRACTOR	TENDER PRICE SUBMITTED (\$)	CORRECTED TENDER PRICE (\$)
1.	L82 Construction Ltd.	\$6,917,000.00	---
2.	J-AAR Excavating Limited	\$7,156,189.20	---
3.	Birnam Excavating Ltd.	\$7,711,076.99	---
4.	CH Excavating	\$8,345,661.29	---
5.	Ron Murphy Contracting Co. Ltd.	\$8,811,077.47	\$8,811,276.38

All tenders have been checked by the Environmental and Engineering Services Department and Archibald, Gray & McKay Engineering Ltd. 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 \$8,817,940 (excluding HST).

Consulting Services

In 2015, City staff procured Archibald, Gray & McKay Engineering 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 the 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 Archibald, Gray & McKay Engineering 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 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 Archibald, Gray & McKay Engineering 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 \$957,282 (excluding HST).

In accordance with Section 15.2 (g) of the Procurement of Goods and Services Policy, Civic Administration is recommending that Archibald, Gray & McKay Engineering Ltd. be authorized to carry out the remainder of engineering services as construction administrators to complete this project for a fee estimate of \$592,830 (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 L82 Construction Ltd. be awarded the construction contract for the Bradley Avenue West Extension.

Archibald, Gray & McKay Engineering 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 \$47,000, new sewer infrastructure is \$1,600, parks operations is \$13,500 and new street light infrastructure is \$18,500.

Acknowledgements

This report was prepared with assistance from Max Kireev, 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:
DOUG MACRAE, P. ENG. DIVISION MANAGER TRANSPORTATION PLANNING & DESIGN	EDWARD SOLDI, P.ENG. DIRECTOR, ROADS AND TRANSPORTATION
RECOMMENDED BY:	
KELLY SCHERR, P.ENG., MBA, FEC MANAGING DIRECTOR, ENVIRONMENTAL & ENGINEERING SERVICES AND CITY ENGINEER	

Attach: Appendix A: Sources of Financing

- c. Archibald, Gray & McKay Engineering Ltd
L82 Construction Ltd.