

TO:	CHAIR AND MEMBERS CIVIC WORKS COMMITTEE MEETING ON JUNE 19, 2018
FROM:	KELLY SCHERR, P.ENG., MBA, FEC MANAGING DIRECTOR ENVIRONMENTAL & ENGINEERING SERVICES AND CITY ENGINEER
SUBJECT:	BRADLEY AVENUE EXTENSION – PHASE 2 WHARNCLIFFE ROAD SOUTH TO JALNA BOULEVARD 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 appointment of a Consulting Engineer for Phase 2 of the Bradley Avenue Extension from Wharncliffe Road to Jalna Boulevard:

- (a) Wood Environment & Infrastructure Solutions **BE APPOINTED** Consulting Engineers to complete the Detailed Design and Tendering Services in the amount of \$508,009 (excluding HST), in accordance with Section 15.2 (e) of the Procurement of Goods and Services Policy;
- (b) the financing for this appointment **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 appointment;
- (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 – August 2005 – Bradley Avenue Extension, White Oak Road to Bostwick Road – Environmental Study Report
- Civic Works Committee – June 19, 2012 – London 2030 Transportation Master Plan
- Strategic Priorities and Policy Committee – June 23, 2014 – Approval of 2014 Development Charges By-Law and Development Charges Background Study.
- Civic Works Committee – December 1, 2015 – December 1, 2015 – Bradley Avenue Extension – Wharncliffe Road South to Wonderland Road South Appointment of Consulting Engineer
- Civic Works Committee – April 24, 2017 – Contract Award: Tender No. 17-57 – 2017 Bradley Avenue West Extension & Wharncliffe Road South Intersection Improvements

COUNCIL'S 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. Upgrading this transportation corridor for all road users will contribute to providing convenient and connected mobility choices to all users.

DISCUSSION

Purpose

This report seeks the approval of the Municipal Council to retain an engineering consultant to undertake the detailed design and tendering services for Phase 2 of the Bradley Avenue Extension from Wharncliffe Road South to Jalna Boulevard.

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. Building new Growth Management Implementation Strategy (GMIS) transportation infrastructure as London grows is part of Council's Strategic Plan.

Bradley Avenue Extension, from Wharncliffe Road South to Jalna Boulevard was identified as a priority in the 2030 Smart Moves Transportation Master Plan (TMP). The Transportation Development Charge Background Study recommended to construct the subject segment of Bradley Avenue in 2022. The general alignment is shown in The London Plan. This section of Bradley Avenue will be constructed to a four lane cross-section, with cycling facilities, localized turning lanes and urbanized with curbs, sidewalks, illumination, noise attenuation where warranted and landscape features. It is an important connection to serve residential, commercial, and industrial transportation needs in London.

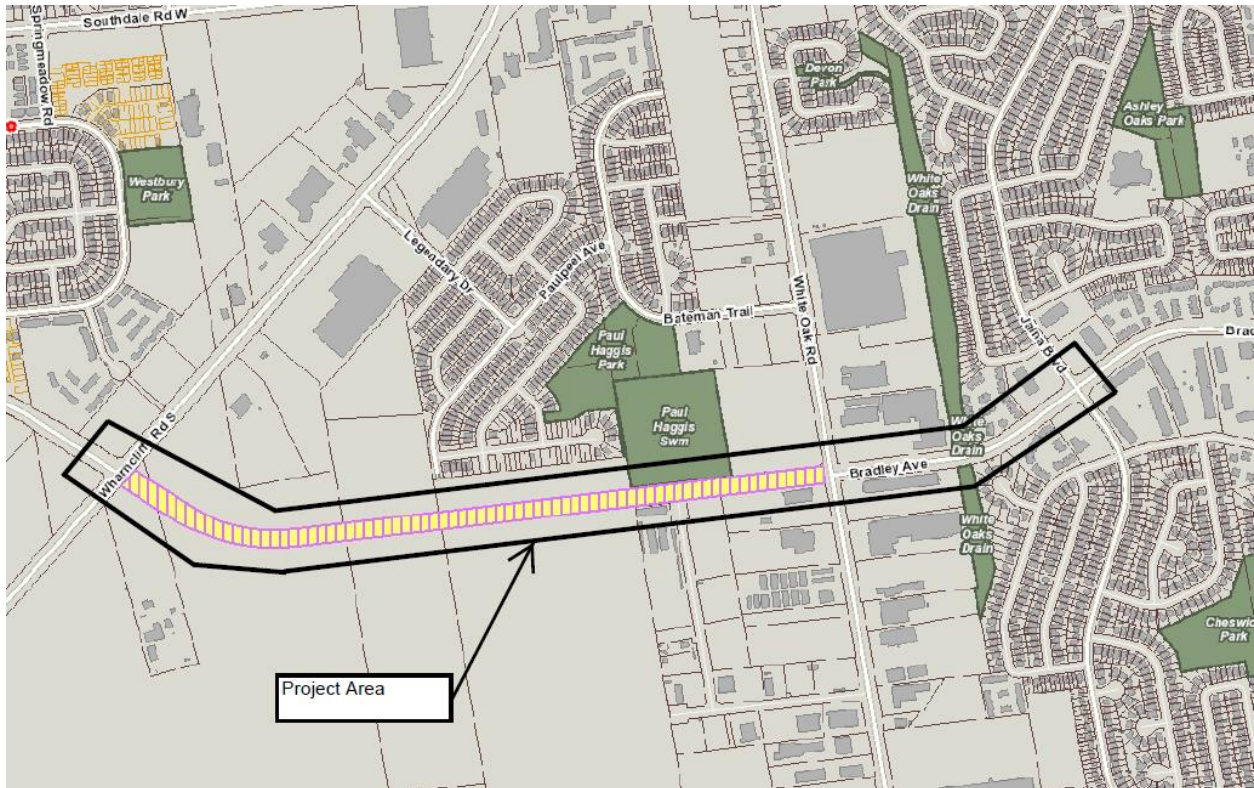
Project Description

The London Plan classifies Bradley Avenue as an east-west urban thoroughfare street through the south part of London. It currently extends from outside the City's eastern boundary to White Oak Road, with Phase 1 of the extension being constructed from Wonderland Road South to Wharncliffe Road South in 2017.

An Environmental Study Report (ESR) was completed in 2005, but additional Part 2 orders and correspondence did not close the file until June 2007. The ESR recommended a preferred alignment of Bradley Avenue extending from White Oak Road to Bostwick Road. The current assignment includes the detailed design and tendering services for constructing the section from Wharncliffe Road South to White Oak Road, and roadway expansion improvements to the section from White Oak Road to Jalna Boulevard.

An aerial image showing the proposed extension of the Bradley Avenue section is presented in Figure 1 below.

Figure 1: Project Area



The project limits extend mostly through green space and developing and existing residential and commercial areas, approximately 2.5 km in length. The design is being started proactively at this time to support the EA commitments, coordinate with current development planning and to support the property acquisition process.

The primary components that will be incorporated in this detailed design and tendering assignment includes:

- Detailed design for the extension of Bradley Avenue;
- Coordination of service needs, including expansion of existing and new infrastructure, as needed;
- Stormwater management plan and hydrological analysis;
- Specialist investigations, including natural environment, geotechnical and archaeological studies;
- Public and agency consultation (MOECC, UTRCA, etc.);
- Securing all necessary approvals and permits;
- Property acquisition support for both the acquisitions and the consent-to-enter agreements;
- Preparation of utility plans and coordinate the installation of utilities; and
- Preparation of the complete tender package, including advertisement, review of the submitted tenders for completeness, and contractor recommendations.

Consultant Selection

The consultant procurement process used a two-stage process beginning with an open advertised Request for Qualifications. Based on the received submissions, a shortlist of three consulting firms was created. AGM, Stantec, and Wood Environment & Infrastructure Solutions were short-listed and asked to submit detailed proposals and work plans.

Based on the evaluation criteria and best value based selection process identified in the Request for Proposals (RFP), the evaluation committee determined that the proposal from Wood Environment & Infrastructure Solutions provides the best value to the City. Wood has an experienced and multi-faceted project team that has 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.

In accordance with Section 15.2 (e) of the Procurement of Goods and Services Policy, Civic Administration is recommending Wood PLC be appointment as Consulting Engineers for this detailed design and tendering services assignment.

Subject to successful completion of the design phase of this project, Wood Environment & Infrastructure Solutions will be considered for the construction administration stage. Future approval to proceed with subsequent phases of engineering services for this project will be subject to satisfying all financial, reporting and other conditions contained within the Procurement of Goods and Services Policy.

There are no anticipated additional operation costs in the Environmental and Engineering Services budget with approval of this engineering agreement. As the design progresses, additional future operating costs for the roadway, sewers, and watermain will be developed.

CONCLUSION

Phase 2 of the Bradley Avenue Extension, from Wharncliffe Road South to Jalna Boulevard was identified as a priority in the 2030 Transportation Master Plan (TMP) and as part of the reprioritization of Growth Management Implementation Strategy (GMIS) for transportation projects. The Transportation Development Charge Background Study recommended to construct the subject segment of Bradley Avenue in 2022 to accommodate future growth demands and improve traffic operations in the area. Initiation of detailed design and tendering services is required now to meet this schedule.

The detailed 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 Wood Environment & Infrastructure Solutions be awarded the consulting assignment for the detailed design and tendering services for the Bradley Avenue Extension, from Wharncliffe Road South to Jalna Boulevard at an upset amount of \$508,009 (excluding HST).

Acknowledgements

This report was prepared with assistance from Sam Shannon, C.E.T., Technologist II, and Ted Koza, P. Eng., both of the Transportation Planning and Design Division.

PREPARED BY:	REVIEWED AND CONCURRED BY:
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RECOMMENDED BY:	
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Attach: Appendix A – Source of Financing

cc: Geoff Smith, CSCMP, Purchasing and Supply
Marta Semeniuk, Financial Planning and Policy
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