

TO:	CHAIR AND MEMBERS CIVIC WORKS COMMITTEE MEETING ON OCTOBER 24, 2017
FROM:	KELLY SCHERR, P.ENG., MBA, FEC MANAGING DIRECTOR ENVIRONMENTAL & ENGINEERING SERVICES AND CITY ENGINEER
SUBJECT:	WILTON GROVE ROAD IMPROVEMENTS DETAILED DESIGN & TENDERING 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 the Wilton Grove Road Improvements Project:

- (a) Parsons Inc. **BE APPOINTED** Consulting Engineers for the detailed design and tendering for the project at an upset amount of \$393,414 (excluding HST) 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 including Hydro One Network Inc. related agreements, if required, to give effect to these recommendations.

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.

BACKGROUND

Purpose

This report recommends the appointment of a consulting engineer to complete the detailed design and tendering for Wilton Grove Road from Commerce Road to the east city 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. Building new transportation infrastructure as London grows is part of Council's strategic plan.

Wilton Grove Road is classified as an arterial road. The London Plan identifies four distinct Place Types for Wilton Grove Road between Commerce Road to the city limits. The Place Types are: Green Space, Farmland, Future Industrial Growth, and Light Industrial. The Urban Growth Boundary also crosses Wilton Grove Road just east of Cheese Factory Road. Each of the place types includes policies on the vision, the role within the City Structure, the use, intensity, and form in order to inform the vision for future development along the corridor. The Wilton Grove Road corridor, within this project scope, is classified as both a Civic Boulevard and a Rural Thoroughfare. A map showing the section of Wilton Grove Road within the current project limits is presented below in Figure 1.

**Figure 1: Design Assignment Limits
Wilton Grove Road from Commerce Road to City Limits**



DISCUSSION

Project Description

The Wilton Grove Road project was identified in both the 2014 Development Charges Background Study (DCBS) and the 2016 Cycling Master Plan. Recommendation was made to make rural upgrades to Wilton Grove Road from Commerce Road to the city limits to bring the road up to current design standards with consideration given to future growth and transportation upgrades.

The DCBS recommended that Wilton Grove Road from Commerce Road to the city limits be improved in 2019. Wilton Grove Road is a key link from Highbury Avenue to Old Victoria Road and Westchester Bourne and will be a key link to the Veterans Memorial Parkway (VMP) South Extension currently nearing completion. This corridor accommodates a high volume of truck and commercial traffic serving the industrial areas in the southeast corner of the City and surrounding areas. Wilton Grove Road will see increased pressure on its use through the extension of VMP from Highway 401 and the potential for continued industrial development along the corridor.

The primary deliverables for this detailed design assignment include design, approvals, contract preparation and consultation, and stakeholder liaison. Particular focus areas for the assignment include:

- Required field investigations such as geotechnical;
- Obtaining approval from associated agencies such as UTRCA, DFO, MOECC, etc.;
- Detailed development street lighting;
- Co-ordination with the utility companies (Hydro One, London Hydro, Union Gas, Bell Canada, Rogers, etc.);
- Consultation with the public, businesses and other stakeholders;
- Coordination and design of service needs, including renewal of existing and new infrastructure as needed;
- Preparation of cost estimates;
- Preparation of construction staging and traffic staging plans; and,
- Preparation of the complete tender package, including advertisement, review of the submitted tenders for completeness and contractor recommendation.

Areas of complexity include the following:

Culverts

Three culverts currently exist within the project limits. A preliminary evaluation and pre-development and post-development catchment areas and major and minor flow routes (overland and through existing storm infrastructure) will be examined to determine the impact of the proposed works, if any, on the existing drainage and crossings condition. An evaluation of the culvert condition will be performed, including inspection to establish the structural integrity of each structure and the condition of the bottom, walls and soffit to establish the scope of any repairs.

Watermain

A large diameter watermain that supplies water to the Forest City Industrial Park exists. Minimum separation distances and protection and support of the existing trunk watermain will be an important consideration during detailed design and construction. An evaluation will be undertaken to analyze and make recommendation on replacement of existing cathodic protection on the trunk watermain.

Wastewater

Although the majority of this project is outside the current Urban Growth Boundary, there is still the possibility of future growth in the area, especially with industrial lands. A servicing plan will be developed which can provide the most flexibility for the City's needs. As these are currently undeveloped sites, it is anticipated that there will be upcoming development that will require site specific solutions based on their unique usage requirements.

Electrical

Street lighting design will be undertaken from Highbury Avenue to the easterly limits of City owned lands along the south side of Wilton Grove Road. This street lighting will be utilized to accommodate for potential industrial development along this corridor which is partly within the Urban Growth Boundary.

Consultant Selection

Parsons Inc. was selected to undertake the detailed design and tendering after a competitive consultant procurement process in accordance with the Procurement of Goods and Services Policy Section 15.2 (e) in which four firms were shortlisted to submit detailed proposals following an open advertised Request for Qualifications (RFQ).

Based on the evaluation criteria and selection process identified in the Request for Proposals (RFP), the evaluation committee concluded that the proposal from Parsons Inc. provides the best value to the City. Parsons Inc.'s past proven experience on similar projects of this nature combined with a project proposal that demonstrated a thorough understanding of the goals and objectives demonstrated their suitability for the undertaking. Parsons Inc. is familiar with City staff and procedures through recent work on similar projects.

Subject to successful completion of the design phase of this project, Parsons Inc. 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 operating 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

Based on the technical evaluation of the proposals, it is recommended Parsons Inc. be awarded the consulting assignment for the detailed design and tendering of Wilton Grove Road from Commerce Road to the city limits, in the amount of \$393,414 (excluding HST). Parsons Inc. has shown a good understanding of the project and has the technical expertise to complete the assignment. The proposal represents good value for the City. With construction scheduled to begin in 2019, it is necessary to commence the design and approvals phase of this project. Award of this consultant assignment will progress this project within the approved project budget.

Acknowledgements

This report was prepared with assistance from Sam Shannon, C.E.T., Technologist II and Ted Koza, P. Eng., Transportation Design Engineer, in 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:	
KELLY SCHERR, P.ENG., MBA, FEC MANAGING DIRECTOR ENVIRONMENTAL & ENGINEERING SERVICES AND CITY ENGINEER	

Attach: Appendix A – Sources of Financing

cc: Geoff Smith, CSCMP, Purchasing and Supply
Marta Semeniuk, Financial Planning and Policy
Gary McDonald, Tangible Capital Assets
Henry Huotari, P.Eng., Parsons Inc.