

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: T17-130 WONDERLAND ROAD SOUTH TWO-LANE UPGRADE

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 Wonderland Road South Two-Lane Upgrade from Highway 401 to Highway 402:

- (a) the bid submitted by Bre-Ex Construction Inc. at its submitted tendered price of \$6,590,096.80 (excluding HST), for the said project **BE ACCEPTED**; it being noted that the bid submitted by Bre-Ex Construction Inc. was the lowest of six bids received and meets the City's specifications and requirements in all areas;
- (b) WSP Canada Group Limited **BE AUTHORIZED** to carry out the resident inspection, contract administration of the said project in the amount of \$558,412 (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 17-130); 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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- Civic Works Committee – June 17, 2013 – Wonderland Road South Environmental Assessment Study, Appointment of Consulting Engineer
- Civic Works Committee – July 20, 2015 - Wonderland Road South Environmental Assessment Study

- Civic Works Committee – October 6, 2015 – Wonderland Road South Two-Lane Upgrade, Highway 401 to Highway 402, Appointment of Consulting Engineer
- Civic Works Committee – August 29, 2017 – Contract Award T17-100 Wonderland Road South Two-Lane Upgrade, Advance Widening at Highway 402 Irregular Result

2015-19 STRATEGIC PLAN

The following report supports the Strategic Plan through the strategic focus area of Building a Sustainable City by improving transportation mobility through the provision of convenient and connected mobility choices for all users.

BACKGROUND

Purpose

This report recommends the award of a construction tender and continuation of engineering consulting for the Wonderland Road South two-lane upgrade from approximately 200 m north of Westminster Drive to approximately 100 m south of Decker Drive as displayed in Figure 1.



Figure 1: Wonderland Road South 2-lane Upgrade

Context

The City of London is responsible for a transportation system that promotes the movement of goods and services to strengthen its economic growth and provides for sustainable transportation mobility choices for the residents to improve their quality of life.

An Environmental Study Report (ESR), the result of a comprehensive Environmental Assessment (EA) study for the Wonderland Road South Corridor from Southdale Road West to Highway 401, was completed in July 2015. The ESR identified the transportation infrastructure needs for the Wonderland Road South corridor as recommended in the London 2030 Smart Moves Transportation Master Plan.

DISCUSSION

Background

The improvements along Wonderland Road South will enable residential and commercial growth in the Southwest Area Plan (SWAP) area. The proposed Wonderland two-lane upgrades between Highway 402 and Highway 401 are comprised of a rural cross-section, which incorporates increased travel lane and shoulder widths for improved safety and operations. Paved shoulders will be provided as per the Cycling Master Plan and will facilitate agricultural vehicular movements.

Work began on this project in the fall of 2017. In response to a request from the Ministry of Transportation (MTO), the two-lane upgrade project was phased to eliminate construction conflicts with the upcoming MTO Highway 402 Underpass Bridge Rehabilitation at Wonderland Road, scheduled for rehabilitation in 2018. Phase one of the project, was advanced and completed in late 2017. The current phase of the project is tentatively scheduled to commence in April of 2018 and to be substantially completed by November 30th 2018, with surface course paving scheduled for completion in 2019.

Project Description

Wonderland Road South is a major transportation corridor designed to carry high volumes of traffic in a safe and efficient manner. The Wonderland Road South corridor will provide for both longer-distance mobility to serve business, and local accessibility, to serve the surrounding community in their day-to-day activities and in a variety of modes.

The recommended improvements for this corridor will accommodate the existing and future travel demands as well as improve traffic safety. It is an important connection to serve residential, agriculture, and industrial transportation needs in London and the surrounding areas, and is one of the few arterial roads that cross the entire City from north to south with no gaps.

Construction Considerations

As noted above, construction is anticipated to commence in April 2018, and is expected to be substantially completed by fall with minor works and surface asphalt paving placed in 2019. During construction, a full closure of Wonderland Road South will not be

permitted. However, installation of the new culverts will trigger a requirement to reduce traffic to a single lane with full time (24 hours a day) portable temporary traffic signals for 10 working days. The speed limit within the construction area will be reduced from 80 km/h to 60 km/h for the entire duration of the project. Some work may require weekend work, night work, consecutive shifts and the use of police services to control traffic. The MTO Highway 402 underpass rehabilitation will also be using portable temporary traffic signals to reduce traffic to a single lane. Implementation of the City's contract in parallel with the MTO bridge rehabilitation will shorten the total duration of corridor construction impacts.

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 will be made to ensure Londoners are aware of construction zones and traffic detours resulting from roadwork. 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 Wonderland Road South two-lane upgrade project were opened on Thursday, December 21th 2017. Six contractors submitted tender prices as listed below (excluding HST).

	CONTRACTOR	TENDER PRICE SUBMITTED (\$)	CORRECTED TENDER PRICE (\$)
1.	Bre-Ex Construction Inc.	\$6,590,096.80	---
2.	Aecon Construction and Materials Limited	\$6,759,775.45	---
3.	J-AAR Excavating Limited	\$7,663,485.74	---
4.	Blue-Con Construction	\$9,639,969.69	---
5.	Dufferin Construction Company A division of CRH Canada Group Inc.	\$9,980,000.00	---
6	Dicocco Contractors 2015 Inc	\$10,214,348.63	\$10,215,038.83

All tenders have been checked by the Environmental and Engineering Services Department and WSP. 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 \$7,472,158.000 (excluding HST).

Consulting Services

In 2013, WSP Canada Group Limited (formerly MMM Group Limited) was selected to undertake the Wonderland Road South EA after a competitive consultant procurement process in accordance with the Procurement of Goods and Services Policy Section 15.2 (d) in which four (4) firms were invited to submit detailed proposals. WSP successfully completed the EA in 2015, gaining detailed knowledge of the Wonderland Road South corridor. WSP performance during the EA was positive and as such, appointed as the

consulting engineer for the design phase. Appointment of WSP creates efficiencies, providing financial advantage to the City, by eliminating duplication that would be required if another firm was introduced.

Due to the consultant knowledge and positive performance on the detailed design project, WSP was invited to submit a proposal to carry out the contract administration and resident supervision. Staff reviewed the fee submission and confirmed the amount of time allocated to each project task was consistent with prior projects of a similar nature that have been awarded through a competitive process.

The continued use of WSP 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. WSP is intimately familiar with the Occupational Health and Safety Act aspects of the contract.

The City's construction administration requirement for the creation of record drawings following construction necessitates the reviewing professional engineer seal the drawings based on field verification and ongoing involvement. This requirement promotes consultant accountability for the design. Consequently, the continued use of WSP 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 multi-phase consulting assignment to \$1,616,280.00 (excluding HST).

In accordance with Section 15.2 (g) of the Procurement of Goods and Services Policy, Civic Administration is recommending that WSP be authorized to carry out the remainder of engineering services as construction administrators to complete this project for a fee estimate of \$558,412 (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 Bre-Ex Construction Inc. be awarded the construction contract for the Wonderland Road South two-lane upgrade from Highway 401 to Highway 402.

WSP 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 and inspection services as it is in the best financial and technical interests of the City.

Anticipated additional annual operating costs to budgets in 2019 and subsequent years associated with the additional road infrastructure is \$22,350 and new street light infrastructure is \$1,500.

Acknowledgements

This report was prepared by Maged Elmadhoon, Traffic & Transportation Engineer, with assistance from Max Kireev, C.E.T., Technologist II, 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	

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Attach: Appendix A: Sources of Financing

cc. Dwayne West, WSP Canada Group Limited
Bre-Ex Construction Inc.