

TO:	CHAIR AND MEMBERS CIVIC WORKS COMMITTEE MEETING ON JULY 23, 2019
FROM:	KELLY SCHERR, P.ENG., MBA, FEC MANAGING DIRECTOR ENVIRONMENTAL AND ENGINEERING SERVICES AND CITY ENGINEER
SUBJECT:	SOUTHDALE ROAD WEST IMPROVEMENTS PHASE 1 DETAILED DESIGN & TENDERING APPOINTMENT OF CONSULTING ENGINEER

RECOMMENDATION

That, on the recommendation of the Managing Director, Environmental and Engineering Services and City Engineer, the following actions **BE TAKEN** with respect to the appointment of a Consulting Engineer for the Southdale Road West Improvements Phase 1 Project from Pine Valley Boulevard to Bostwick Road:

- (a) AECOM Canada Ltd. **BE APPOINTED** Consulting Engineers for the detailed design and tendering for the Southdale Road West Improvements Project between Pine Valley Boulevard and Bostwick Road, at an upset amount of \$463,497 (excluding HST) in accordance with Section 15.2 (g) 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, if required, to give effect to these recommendations.

PREVIOUS REPORTS PERTINENT TO THIS MATTER
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- Civic Works Committee – June 19, 2012 – London 2030 Transportation Master Plan
- Planning and Environmental Committee – October, 2012 – The Southwest Area Secondary Plan Report
- Strategic Priorities and Policy Committee – June 23, 2014 – Approval of 2014 Development Charges By-Law and DC Background Study
- Civic Works Committee – March 8, 2016 – Bostwick Road Environmental Assessment, Wharncliffe Road West to Pack Road, Appointment of Consulting Engineer
- Strategic Priorities & Policy Committee – June 9, 2016 – Growth Management Implementation Strategy (GMIS): 2017 Annual Review & Update – Appendix ‘F’: Detailed Commentary Regarding Developer Infrastructure Reports
- Civic Works Committee – January 10, 2017 – Environmental Assessment, Appointment of Consulting Engineer
- Civic Works Committee – April 2, 2019 – Environmental Study Report, Notice of Completion

COUNCIL'S 2019-23 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 improvements to the Southdale Road West corridor will enhance safe and convenient mobility choices for transit, automobiles, pedestrians and cyclists.

BACKGROUND

Purpose

This report seeks the approval of the Municipal Council to retain an engineering consultant to undertake the detailed design and tendering services for the Southdale Road West Improvements from Pine Valley Boulevard to Bostwick Road, including a portion of Bostwick Road from Southdale Road to north of Pack Road.

Context

Southdale Road West is one of the major east-west arterial roadways located in the south-west part of the City of London. Southdale Road West serves as a major transportation corridor designed to carry high volumes of traffic in a safe and efficient manner. Improvements to the subject sections will accommodate the high volumes of pedestrian and cyclist traffic, vehicle through traffic, and residential and commercial traffic in a safe and efficient manner and improve mobility within the surrounding community.

An Environmental Study Report (ESR), the result of a comprehensive Environmental Assessment (EA) for the Southdale Road West corridor was completed in April 2019. The ESR recommended widening Southdale Road West to four lanes. The preferred design recommendation also included localized turning lanes, intersection improvements and the addition of bike lanes and sidewalks.

In accordance with the City of London Complete Streets approach, the proposed design for Southdale Road West will bring a significant change to multi-modal movement and land use along the corridor, with improvements in safety, capacity, drainage and access management.

DISCUSSION

Project Description

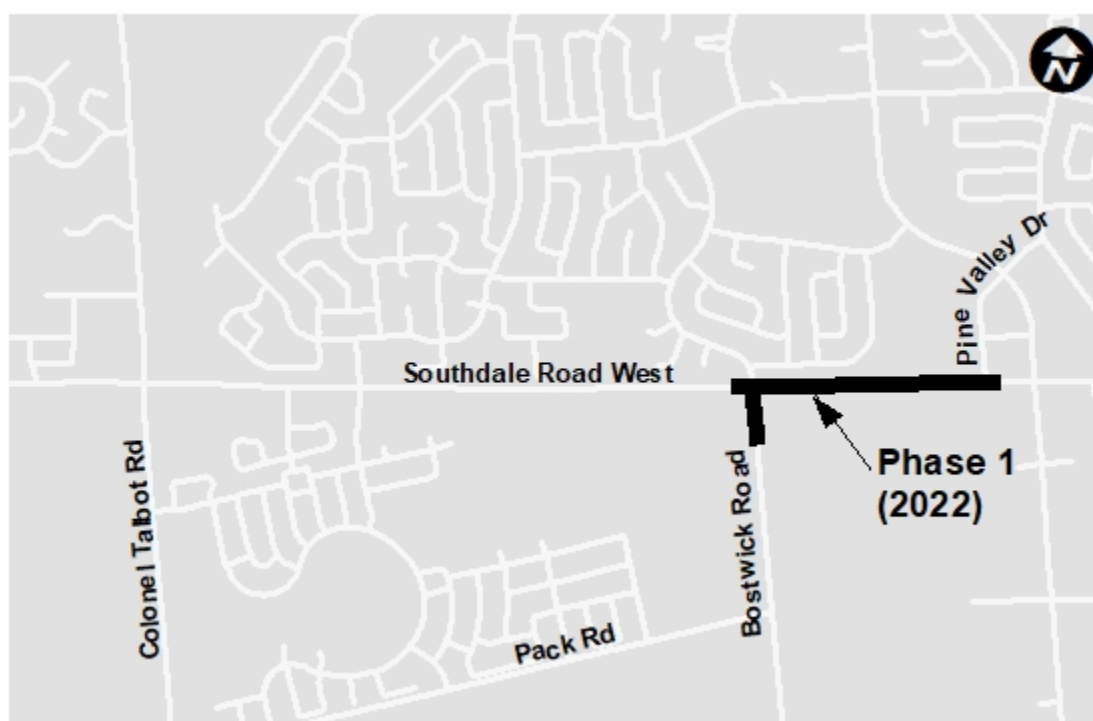
Due to the traffic volumes and developments in the area, the Southdale Road West corridor improvements were identified as a priority in the 2030 Smart Moves Transportation Master Plan (TMP) as part of the reprioritization of the Growth Management Implementation Strategy (GMIS) for transportation projects. The need for capacity improvements and construction phasing was also identified as part of the 2014 and 2019 Development Charge Background Studies.

The EA for Southdale Road West was completed in 2019. Six alternative planning solutions were developed and assessed. Of the six alternatives, Alternative 5 - Road Widening was selected as the preferred planning solution. Widening to the south to provide two lanes of traffic in each direction, including left turn lanes, sidewalks and bike paths on Southdale Road West, and widening around the existing centreline for Bostwick Road was carried forward as the preferred alternative. The Southdale Road

West and Bostwick Road intersection will remain as a signalized intersection but will be upgraded to accommodate the road widening. In the future, and when warranted, Bostwick Road will be widened to provide two lanes of traffic in each direction.

Due to the magnitude of the project, the EA recommended proceeding with two phases; Phase 1 from Pine Valley Boulevard to Bostwick Road and Phase 2 from Bostwick Road to Colonel Talbot Road. The 2019 Development Charges Transportation Background Study further divides Phase 2 into two separate projects; Phase 2a with the Colonel Talbot intersection (roundabout) project recommended for 2024 construction, and Phase 2b the remaining section of Southdale Road West from Colonel Talbot to Bostwick Road to be constructed in 2031.

Figure 1.0 – Southdale Road West Improvement Phases



Implementation timing for Phase 1 is anticipated in 2022 based on the 2019 Transportation Development Charges Background Study (DCBS) with early preparations and infrastructure works such as property acquisition, approvals and utility relocations being completed as early as 2021. The award of the design at this time aims to maintain this project schedule.

The primary deliverables from this detailed design assignment include field investigations, design, approvals, property acquisition support, and contract preparation. Particular focus areas for the assignment include:

- Detailed design for the subject corridor;
- Obtaining all necessary approvals from associated agencies;
- Detailed development of urban design elements such as lighting, etc.;
- Co-ordination with the utility companies and geotechnical sub-consultant;
- Consultation and coordination with the public, Bostwick Community Center, developers, businesses and stakeholders;
- Development of a stormwater management plan and report;
- Design of traffic signals and street light systems;
- Support for property acquisitions and consent-to-enter agreements;
- Preparation of construction staging, traffic staging, access management and building logistics plans; and,
- Preparation of the complete tender package, including advertisement, review of the submitted tenders for completeness, and contractor recommendations.

Consultant Procurement

AECOM Canada Ltd. successfully completed the EA for improvements to the Southdale Road West Corridor from Pine Valley Boulevard to Colonel Talbot Road. AECOM was selected to undertake the EA after a competitive consultant procurement process in accordance with the Procurement of Goods and Services Policy Section 15.2 (e) in which the assignment was publicly advertised and six firms were subsequently invited to submit detailed proposals.

Due to the consultant's knowledge and experience on similar design projects combined with their positive performance on the project during the EA, AECOM was invited to submit a proposal to carry out the detailed design and tendering of this project. City 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.

Appointment of AECOM as the consulting engineer for the design phase creates efficiencies providing financial advantage to the City by eliminating duplication that would be required if another firm were to be selected. The firm is familiar with City staff and procedures through recent work on other multi-disciplinary assignments.

Given their specific knowledge and understanding of the project, it is recommended that in accordance with Section 15.2 (g) of the Procurement of Goods and Services Policy, AECOM be awarded the consulting assignment for the detailed design and tendering of Phase 1 Southdale Road West improvements from Pine Valley Boulevard to Bostwick Road, including a portion of Bostwick Road north of Pack Road in the amount of \$463,497 (excluding HST). The approval of this work will bring the value of the overall consulting assignment to \$772,502.40. Subject to successful completion of the design phase of this project, AECOM may be considered for the construction administration stage.

CONCLUSION

It is recommended that AECOM be awarded the consulting assignment for the detailed design and tendering of the Southdale Road West Improvements from Pine Valley Boulevard to Bostwick Road, including a portion of Bostwick Road from Southdale Road to north of Pack Road, in the amount of \$463,497 (excluding HST). Award of this consultant assignment will progress this project within the approved project budget.

Acknowledgements

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

SUBMITTED BY:	REVIEWED & CONCURRED BY:
GARFIELD DALES, P.ENG. DIVISION MANAGER, TRANSPORTATION PLANNING & DESIGN	DOUG MACRAE, P.ENG., MPA DIRECTOR ROADS AND TRANSPORTATION
RECOMMENDED BY:	
KELLY SCHERR, P.ENG., MBA, FEC MANAGING DIRECTOR, ENVIRONMENTAL & ENGINEERING SERVICES AND CITY ENGINEER	

Attach: Appendix A: Source of Financing

c: AECOM Canada Ltd.