

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 AND WICKERSON ROAD IMPROVEMENTS 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 Southdale Road West and Wickerson Road Improvements Project:

- (a) Dillon Consulting Limited **BE APPOINTED** Consulting Engineers for the detailed design and tendering for the Southdale Road West and Wickerson Road Improvements project at an upset amount of \$853,614.60 (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
- Strategic Priorities and Policy Committee – June 23, 2014 – Approval of 2014 Development Charges By-Law and DC Background Study
- Civic Works Committee – August 25, 2014 – Southdale Road and Boler Road Intersection Improvements Environmental Assessment Appointment of Consulting Engineer
- Civic Works Committee – July 18, 2016 – Environmental Assessment Appointment of Consulting Engineer
- Civic Works Committee – February 20, 2019 – Environmental Study Report

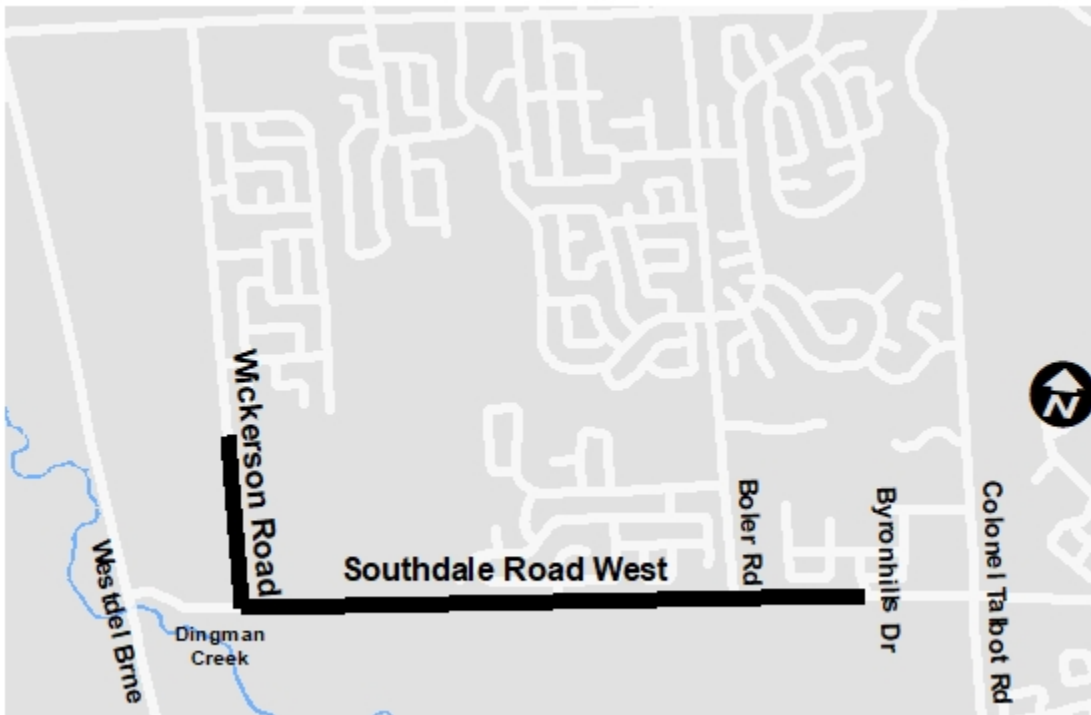
COUNCIL'S 2019-23 STRATEGIC PLAN

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 and Wickerson Road corridor will enhance safe and convenient mobility choices for transit, automobiles, pedestrians and cyclists.

BACKGROUND

Purpose

This report recommends the appointment of a consulting engineer to complete the detailed design and tendering for the Southdale Road West and Wickerson Road Improvements Project. The project limits are on Southdale Road West from Byron Hills Drive to Wickerson Road and northerly 650 m on Wickerson Road. See below for a map illustrating the project limits.



Southdale Road / Wickerson Road Improvement Limits

Context

Southdale Road West and Wickerson Road is a major transportation corridor designed to carry high volumes of traffic. Improvements to the subject section will accommodate the vehicle through traffic, residential and commercial traffic, and pedestrian traffic in a safe and efficient manner and improve mobility within the surrounding community.

Improvements to the profile and cross-section of Southdale Road West and Wickerson Road are required to meet design standards. Both roads will be improved to a two-lane standard, with the inclusion of active transportation and storm water management measures, and will require grading beyond the existing right of way (ROW). The project will allow for safer usage by emergency services, vehicular users, cyclists, and pedestrian's where service is currently limited by road geometrics.

DISCUSSION

Project Description

Due to the traffic volumes and developments in the area, the Southdale Road West corridor improvements were identified as a priority as part of the 2019 Development Charge Background Study. Construction is currently scheduled to begin in 2021, subject to property acquisition. Utility relocations and tree removals will be completed prior to capital construction.

Preferred Design

The recommended design includes significant vertical and horizontal profile revisions to Southdale Road West and Wickerson Road to meet current design standards. This will result in a flatter roadway with improved operations throughout the corridor.

Improvements also include a new urban two-lane cross-section with standard lane widths, bike lanes, sidewalk, street lighting and a multi-use path to accommodate pedestrians and cyclists. Future consideration and accommodation will be given to connections of cycling infrastructure in the area.

Construction of a new 450 mm watermain on Wickerson Road and on Southdale Road West between Wickerson Road and Boler Road will be coordinated into the project. The project will also include installation of LID (low impact development) features to control storm water including oversized storm water storage pipes, rain garden infiltration and bio retention cell facilities. Oil grit separators will be used to pre-treat the flow to these infiltration measures.

Archaeological Assessment

During preliminary design, Dillon's sub-consultant Fisher Archaeological Consulting (FAC), completed a Stage 1 Archaeology Assessment. The Stage 1 assessment identified areas for Stage 2 and 3 investigations. Dillon's sub consultant for detail design, Timmins Martelle Heritage Consultants (TMHC) will complete the identified Stage 2 and 3 archaeology assessments as identified within the previously completed Stage 1 Archaeology Assessment Report.

During the completion of the previous environmental assessment and preliminary design, private property access limitations prevented the completion of all archaeological studies. However, based on work completed to date and knowledge of the area as well as past archaeological find sites, it is anticipated that there will be significant archaeology work required as part of this project.

The scope included in this Dillon Consulting assignment includes the required Stage 2 and 3 archaeology assessments, which will be completed once property access is available (anticipated in 2020). The extent of follow-up Stage 4 archeology work can only be determined once this Stage 2 and 3 work is complete.

Given the uncertainty of the extent of Stage 4 archaeology assessment required, a budget of \$180,000 has been allocated for this work within the assignment. This budget would only be accessed following the Stage 2 and 3 assessments when the Stage 4 field program is finalized to meet the Ontario Heritage Act requirements of the Ministry of Tourism, Culture and Sport. The work will be carried out by a licensed professional consultant archaeologist to assess the property and document archaeological resources using a process that accords with the 2011 Standards and Guidelines for Consultant Archaeologists set by the ministry, and that the archaeological fieldwork and report recommendations are consistent with the conservation, protection and preservation of

the cultural heritage of Ontario. Detailed work plans and fee estimates for this work will be provided for City approval, prior to any expenditures from this budget amount.

Consultant Selection

Dillon Consulting successfully completed the EA for the Southdale Road West/Wickerson Road improvements. Dillon Consulting 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 three (3) firms were 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, Dillon Consulting 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 Dillon 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 in accordance with Section 15.2 (g) of the Procurement of Goods and Services Policy, that Dillon Consulting be awarded the consulting assignment for the detailed design and tendering of Southdale Road West / Wickerson Road improvements in the amount of \$853,614.60 (excluding HST). The approval of this work will bring the value of the overall consulting assignment to \$1,082,469.60. Subject to successful completion of the design phase of this project, Dillon Consulting may be considered for the construction administration stage.

CONCLUSION

Improvements to the Southdale Road West and Wickerson Road corridors are necessary to improve the roadway profile and cross-section to meet current design standards and adequately accommodate the increasing transportation demands on this corridor as a result of growth in the surrounding area.

It is recommended that Dillon Consulting be awarded the consulting assignment for the detailed design and tendering of the Southdale Road West and Wickerson Road Improvements in the amount of \$853,614.60 (excluding HST). This amount includes contingency archaeology funds that will be expended only if necessary.

With construction scheduled to begin in 2021 subject to property acquisition and approvals, 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 Jiten Patel, C.E.T., Technologist II, and Ted Koza, P. Eng., 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: Brian Huston, Dillon Consulting Limited