

TO:	CHAIR AND MEMBERS CIVIC WORKS COMMITTEE MEETING ON AUGUST 29, 2017
FROM:	KELLY SCHERR, P. ENG, MBA, FEC MANAGING DIRECTOR, ENVIRONMENTAL & ENGINEERING SERVICES AND CITY ENGINEER
SUBJECT:	WONDERLAND ROAD SOUTH IMPROVEMENTS – PHASE 1 & 2 CONTRACT ADMINISTRATION 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 contract administration for Phase 1 & 2 of the Wonderland Road South Improvements, from Manning Drive to the South City Limits:

- (a) Stantec Consulting Ltd., **BE AUTHORIZED** to carry out the resident inspection and contract administration for the two phases of the said project in the amount of \$296,644.70 (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 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; 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

- Civic Works Committee - October 4, 2016 – Wonderland Road South Improvements (Manning Drive to South City Limits), Detailed Design and Tendering, Appointment of Consulting Engineer.

2015-19 STRATEGIC PLAN

The following report supports the Strategic Plan through the strategic focus area of Building a Sustainable City by addressing and managing the infrastructure gap. The project provides an important asset management transportation network improvement.

BACKGROUND

Purpose

This report recommends the award the continuation of engineering consulting services for the construction administration for Phase 1 & 2 of the Wonderland Road South Improvements project.

Context

With the recent completion of the Highway 401/Wonderland Road interchange and the extension across the highway, Wonderland Road South is experiencing increased traffic levels. A two-phase project is planned to implement improvements south of Highway 401.

The first phase construction contract was recently tendered and awarded in accordance with the City's Procurement of Goods and Services Policy under the administrative approval process because the value of the tender was under three million dollars. However, the appointment of professional consulting services for engineering services valued over \$100,000 is still required to be approved by Council.

DISCUSSION

Background

Wonderland Road south of Manning Drive is a rural roadway, built to Township standards with minimal provision for road structure and drainage. Prior to the construction of the Highway 401/Wonderland Road interchange, this roadway did not provide a connection across the highway, so consequently carried a low volume of traffic of less than 500 vehicles/day.

As a result of the interchange completion, traffic volumes on this roadway have increased and there is a need to upgrade and improve the existing roadway to address pavement structure, roadside safety and drainage concerns.

Stantec Consulting Ltd. was awarded the detailed design and tendering assignment in the fall of 2016. The first phase of the improvements is scheduled to be constructed this fall with a separate tender being issued for the second phase in early.

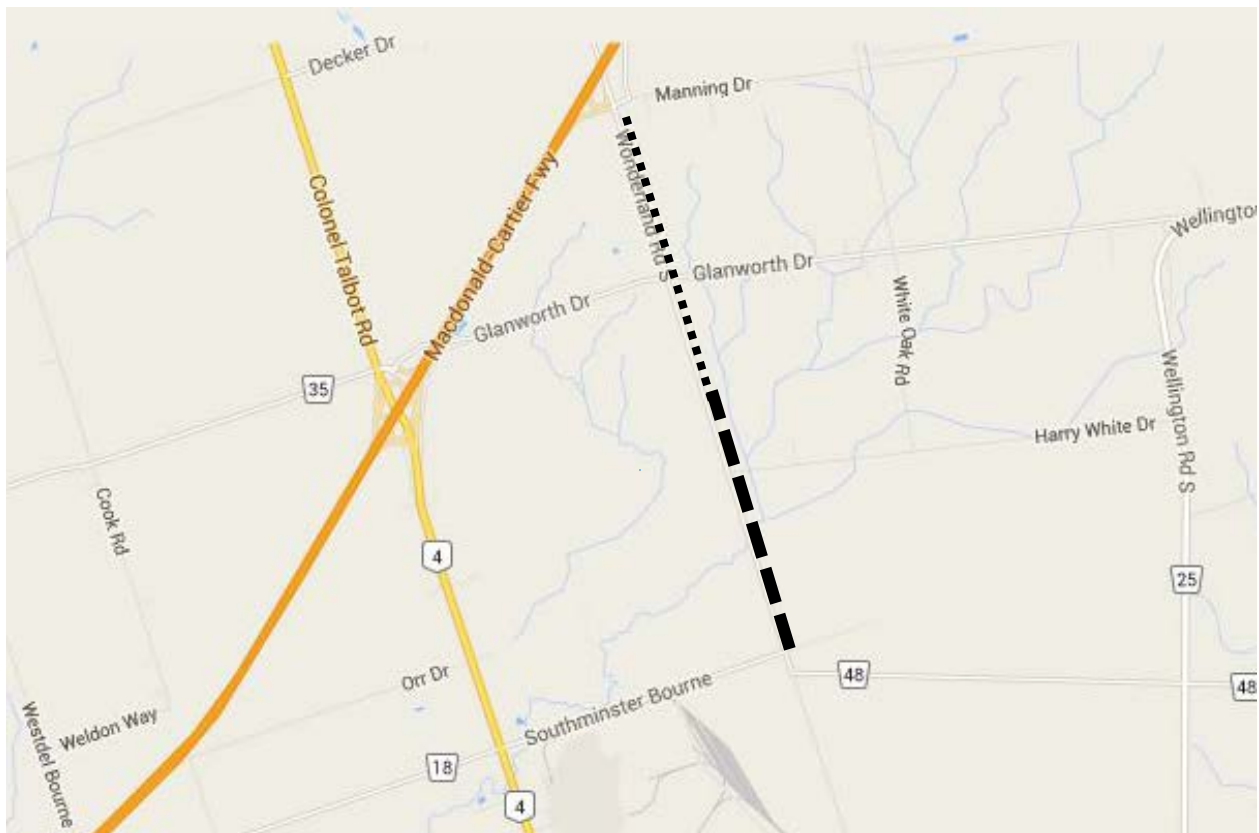
A separate project to construct improvements between Highway 401 and 402 is also planned to begin this fall with the majority of work planned for 2018.

Construction Considerations

Stantec Consulting Ltd. has completed the detailed design to reconstruct Wonderland Road South from Manning Drive to Southminster Bourne (south city limits) as a two-lane roadway, with 3.5 metre wide travel lanes and 1.5 metre wide paved shoulders. The improvements are anticipated to be constructed over two construction seasons. Stage 1 limits will be from Southminster Bourne to approximately 600 m north of Harry White Drive, and Stage 2 will complete the work to Manning Drive.

In Stage 1, the project will include pavement rehabilitation with minor drainage improvements including culvert replacements and ditching. Tree removals will be required within the right of way, and will be completed for both Stage 1 and Stage 2 works within the 2017 work program.

Wonderland Road South Improvements – Phase Limits



— — — — — **Phase 1, 2017**

..... **Phase 2, 2018**

Staging will involve a road closure for the duration of each contract with a formal detour route established. The road closure is required for safety reasons due to the narrow road platform. The road closure will also shorten the duration of the work and improve the quality of the final product. Local access for residents, and emergency services will be maintained during construction. Farmers needing access to their fields within the limits of the project will also be accommodated.

Phase 1 in 2017 will require Wonderland Road South to be closed from Glanworth Drive to Southminster Bourne from August to late November. The detour will route traffic to Colonel Talbot Road via Southminster Bourne and Glanworth Drive.

A Public Information Centre was held on June 28th, 2017 to share the staging and detour details with the local residents.

Consulting Services

The consultant procurement process for this assignment began in accordance with Section 15.2 (e) of the Procurement of Goods and Services Policy for a two-stage process beginning with a public advertisement.

Stantec Consulting Ltd. has satisfactorily completed a substantial part the project. Due to the consultant's specific knowledge and positive performance on the project, the consultant was invited to submit a proposal to carry out the contract administration and resident supervision for both phases of the project. 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.

Stantec is recommended for award of the contract administration of Phase 1 and Phase 2 (to be completed in 2018) having satisfied all financial, reporting and other conditions required of the Policy. The continued use of Stantec Consulting Ltd. on this project for these additional services is of financial advantage to the City due to the fact that this firm has specific knowledge of the project and has undertaken work for which duplication would be required if another firm were to be selected.

The City's contract administration requirement for the creation of record drawings following construction necessitates the reviewing professional engineer seal the drawings on the basis of field verification and ongoing involvement. This requirement promotes consultant accountability for the design. Consequently, the continued use of Stantec Consulting Ltd. who created and sealed the design drawings is required in order maintain this accountability process.

In accordance with Section 15.2 (g) of the Procurement of Goods and Services Policy, Civic Administration is recommending that Stantec Consulting Ltd. be authorized to carry out engineering services related to construction administration of the project for a fee estimate of \$296,644.70 (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. The approval of this work will bring the value of the overall consulting assignment to \$524,314.45. Funds for this assignment are available in the capital budget.

CONCLUSION

The continued use of Stantec Consulting Ltd. is required to complete the Phase 1 construction. Stantec 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 Phase 1 contract administration and inspection services as it is in the best financial and technical interests of the City.

There are no anticipated additional annual operating costs to the Environmental and Engineering Services budget associated with the approval of this contract administration assignment.

Acknowledgements

This report was prepared with assistance from Jane Fullick, C.E.T., Senior Technologist of the Transportation Planning and Design Division.

PREPARED BY:	REVIEWED & CONCURRED BY:
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RECOMMENDED BY:	
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Attach: Appendix A: - Source of Financing

c. K. Welker, Stantec Consulting Ltd.