

The Regional Municipality of York

Committee of the Whole
Transportation Services
June 11, 2020

Report of the Commissioner of Transportation Services

Amendment to Agreement for Consultant Services for Yonge Street Davis Drive to Green Lane Town of Newmarket and Town of East Gwillimbury

1. Recommendation

1. Council approve an amendment to the agreement between the Region and Stantec Consulting Incorporated for the design of improvements to Yonge Street (Y.R. 1) from Davis Drive (Y.R. 31) to Green Lane (Y.R. 19), to increase the scope and contract price, within the Capital Spending Authority for this project, from \$1,520,985.08 to \$1,815,135.08, excluding HST, as a result of additional services required to complete the tender package and provide for engineering consulting services during utility relocation and construction.

2. Summary

This report seeks Council approval to increase the contract price of the agreement with Stantec Consulting Incorporated (Stantec) for the design of improvements to Yonge Street from Davis Drive to Green Lane. This is required to address the increased scope of services related to additional efforts to complete the tender package and provide engineering consulting services during utility relocation and construction. A location map is included as Attachment 1.

As the additional fees being requested exceed staff authority provided for in the Region's Purchasing Bylaw (2017-30), Council approval is required.

Key Points:

- Yonge Street connects and provides access to adjacent communities, businesses, residential areas and transit hubs. The road improvements will support travel to and from these areas.
- Stantec has been retained by the Region to provide engineering consultant services for the detailed design and preparing the tender package for improvements to Yonge Street from Davis Drive to Green Lane.

- The original agreement with Stantec was approved over five years ago, based on the Environmental Study Report (ESR) completed in 2008, and focused on the detailed design phase of the project.
- The staging of the road work and utility relocations is complex and requires significant coordination between the designer, owner, contractor and utility companies before and during construction.
- The agreement with Stantec needs amending to accommodate additional design services required to complete the detailed design assignment and provide engineering consulting services during utility relocation and construction.

3. Background

Yonge Street, from Davis Drive to Green Lane, is a major arterial roadway connecting communities and providing access to businesses, residential areas and transit hubs. An Environmental Assessment (EA) was completed in 2008, which recommended the widening of Yonge Street from four to six lanes with provisions for off-street cycling and protection for future rapid bus transit development from Davis Drive to Green Lane.

The 2008 Environmental Assessment was undertaken by York Region Rapid Transit Corporation for bus rapid transit in the Yonge Street corridor from Savage Road in Newmarket to Green Lane in East Gwillimbury. While the section of Yonge Street from Savage Road to Davis Drive received funding and is currently under construction, the section from Davis Drive to Green Lane is not currently funded and not expected to be for some time. As such, the Region is proceeding with the interim widening to six lanes. The project is included in the Region's 10-Year Roads and Transit Capital Construction Program with the construction contract expected to be tendered in late 2022.

Stantec is working on detailed design assignment to widen and improve Yonge Street from Davis Drive to Green Lane

In May 2015, Council authorized retaining Stantec to undertake the detailed design of improvements for the section of Yonge Street from Davis Drive to Green Lane. The agreement was to design an interim six-lane road while protecting for the ability to provide for a rapid transit facility in the future, as recommended through the EA.

Stantec has completed the design to the pre-tender stage of design development. Given the complicated delivery schedule and the need to mitigate impacts of construction on the community and travellers, staff is undertaking additional process delivery review and enhanced stakeholder engagement ahead of finalizing the design for tender.

4. Analysis

The scope of Stantec's assignment needs to be increased for additional detailed design effort to update the tender package and provide assistance during utility relocation and construction

There is a need to update the tender package to include the Region's latest design standards and contract specifications and some operational improvements identified after the completion of the pre-tender design stage such as:

- Median island design modifications at intersections to meet new operational requirements
- Electrical design to accommodate high voltage power supply relocations to supply commercial properties
- Retaining wall design updates to meet current standards
- Extended design limits to provide for a new commercial plaza access

The original agreement with Stantec was for the detailed design phase only. It is recommended Stantec continue to provide engineering consulting services during utility relocation and construction phases of the project.

The relocation of utilities and roadway construction is planned to be undertaken in phases. Based on the proposed design, some construction will need to happen concurrently with utility relocation. As such there will be a need to provide for detailed schedules for staging and sequencing of utility relocations and roadway construction works. This will mitigate risks and ensure smooth delivery of the project.

Due to the scale and complexity of the project, design consultants must work more closely with utility companies and contractors throughout construction than originally anticipated. Most on-site design decisions will need to be reviewed by the original designer to avoid transferring the risk of design issues, such as errors or omissions, to the Region.

Examples of consultant tasks during the utility relocation and construction phases include:

- Coordination and schedule tracking of utility relocations and construction works
- Addressing requests for information from the contractor to provide clarification on design and revising specifications and quantities as required
- Addressing unforeseen site conditions, such as varying soil conditions or utility conflicts, and adjusting designs accordingly
- Reviewing shop drawings for culverts and retaining walls, drainage and watermain structures and providing comments and acceptance

- Reviewing alternative designs, methods of construction or products proposed by the contractor
- Attending site meetings to address construction issues/conflicts
- Reviewing contractor claims related to quantity disputes or interpreting contract specifications
- Preparing as-built drawings reflecting changes that took place during construction

Enhanced stakeholder engagement and delivery process review require active participation from Stantec

The Region is undertaking an enhanced stakeholder engagement effort for this project and Stantec's assistance will be required to develop a comprehensive engagement plan and to coordinate and facilitate meetings/workshops. Stantec has intimate technical knowledge of the proposed design and as the technical subject matter expert, will be actively engaged in the delivery process review of utility relocation and construction phases of the improvements. They will be involved with analyzing the technical feasibility of potential alternative delivery models proposed.

5. Financial

The agreement with Stantec needs to be amended to include additional scope and corresponding fees required to complete the tender package and provide for engineering consulting services during utility relocation and construction

The agreement needs to be amended to include additional scope and corresponding fees in the amount of \$ 294,150 to complete the tender package and provide for engineering consulting services during utility relocation and construction of the project. Staff have reviewed the request for additional fees, compared them to rates in the current assignment and against other similar consultant assignments, and consider them to be fair and reasonable.

The improvements to Yonge Street from Davis Drive to Green Lane have a total budgeted project cost of \$53 million. The work will be funded from 90% development charges and 10% tax levy and is included in the approved 10-Year Transportation capital budget.

6. Local Impact

The Yonge Street project is a major link in the Regional road network and improvements will provide enhanced travel for all road users in the Towns of Newmarket and East Gwillimbury by:

- Improving roadway and traffic connectivity from Davis Drive to Green Lane
- Supporting residential and commercial growth in the area
- Providing transit HOV lanes and enhanced transit stop amenity areas
- Improving pedestrian and cyclist access through the installation of widened sidewalks and a boulevard cycle path
- Providing enhanced illumination and streetscaping along the roadway and boulevard

The Region is undertaking an enhanced stakeholder engagement effort for this project involving elected officials, residents, local business owners and other relevant groups. Staff will continue to work closely with Town of Newmarket and Town of East Gwillimbury staff on the coordination and delivery of this project.

7. Conclusion

The agreement with Stantec needs to be amended to complete the detailed design assignment and provide engineering consulting services during the utility relocation and construction phases of the Yonge Street Improvements from Davis Drive to Green Lane project

Staff recommends the agreement with Stantec be amended by an amount of \$294,150.00, increasing the total from \$1,520,985.08 to \$ 1,815,135.08, excluding HST.

For more information on this report, please contact Salim Alibhai, Director, Capital Planning and Delivery, at 1-877-464-9675 ext. 75229. Accessible formats or communication supports are available upon request.

Recommended by: **Paul Jankowski**
Commissioner of Transportation Services

Approved for Submission: **Bruce Macgregor**
Chief Administrative Officer

May 20, 2020
Attachment (1)
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