
REPORT TITLE: **Detailed Design and Contract Administration for Mississauga Road and Bush Street in Belfountain, Capital Project 14-4065, Town of Caledon, Ward 1**

FROM: Kealy Dedman, Commissioner of Public Works

RECOMMENDATION

That the contract (Document 2017-066P) for the detailed design, contract administration and construction inspection services for Mississauga Road (Regional Road 1) and Bush Street (Regional Road 11), between the Region of Peel and HDR Corporation be extended to include additional engineering services in the amount of \$400,000 (excluding applicable taxes), for a total contract commitment of \$2,345,116 (excluding applicable taxes), under Capital Project 14-4065, in accordance with Procurement By-law 30-2018, as amended.

REPORT HIGHLIGHTS

- The Region of Peel retained HDR Corporation (HDR) in 2017 to provide detailed design, contract administration and construction inspection services for the reconstruction of Mississauga Road from Olde Base Line (OBL) to Caledon Mountain Drive and Bush Street from Shaws Creek Road to Winston Churchill Boulevard (WCB), in Caledon.
- Recently, Peel's State of Good Repair (Pavement Rehabilitation/Asset Management) Program identified necessary improvements on Mississauga Road/Old Main Street from Caledon Mountain Drive to Bush Street and Bush Street from Old Main Street/Mississauga Road to Shaws Creek Road in Belfountain Village.
- The additional scope of work includes drainage improvements, culvert replacements, and resurfacing of Mississauga Road/Old Main Street and Bush Street in Belfountain Village, along with obtaining the required permits and approvals.
- Staff recommend that the current contract for the detailed design, contract administration and construction inspection services with HDR, under Capital Project 14-4065, be amended in the amount of \$400,000 to include additional engineering services that will address the additional scope of work in Belfountain Village.
- There are sufficient funds available in the approved budget Capital Project 14-4065 to complete the additional works.

DISCUSSION

1. Background

The Region of Peel completed a Schedule 'C' Class Environmental Assessment (EA) Study for the reconstruction of Mississauga Road/Old Main Street from Olde Base Line Road to Bush Street; and Bush Street from Mississauga Road/Old Main Street to Winston Churchill Blvd. The Study was completed in accordance with the Municipal Engineers Association Municipal Class EA requirements, as approved under the Ontario *Environmental*

Detailed Design and Contract Administration for Mississauga Road and Bush Street in Belfountain, Capital Project 14-4065, Town of Caledon, Ward 1

Assessment Act. The purpose of the Study was to develop a road design that addressed safety, drainage, and pavement deficiencies in the study area.

During the 30-day review period, the Belfountain Community Organization (BCO) filed a Part II Order Request with the Ministry of the Environment, Conservation and Parks (the Ministry). The BCO preferred to maintain the rural character of Belfountain Village, thus objecting to road urbanization (e.g. installation of curbs, gutters and sidewalks) which would result in private property impacts. After conducting further discussions with the Ministry and the BCO, the Region agreed to remove Belfountain Village from the EA scope, as shown in Appendix I, through an EA Addendum. The Part II Order was withdrawn and the modified EA Study received approval from the Ministry, allowing the project to proceed.

The Region of Peel commenced detailed design for the reconstruction of Mississauga Road and Bush Street, as per the approved EA Study (excluding Belfountain Village) through a contract with HDR.

It is now the Region's intent to maintain the roadway through Belfountain via our State of Good Repair program, with minimal changes to the look and feel of the Belfountain community.

The Region's State of Good Repair ("SOGR") Program recently confirmed the original EA Study's findings for Belfountain Village, specifically, that sections of Mississauga Road/Old Main Street from Caledon Mountain Drive to Bush Street and Bush Street from Mississauga Road/Old Main Street to Shaws Creek Road are in need of pavement rehabilitation, drainage improvements and culvert replacements in the near term. Without these improvements, the road will continue to deteriorate quickly and full reconstruction will be required at a significantly higher cost and with more community impact. Since the needed improvements can be undertaken within the Region's existing Right-of-Way and the improvements do not significantly alter the character of Belfountain, an Addendum to the original EA Study is not required.

As a result of these findings, the Region has developed a plan to make the necessary improvements in Belfountain Village under the Pavement Management Program, without reconstructing or urbanizing the road. The existing rural character and drainage features of the road will be maintained, to ensure the concerns from the BCO are met.

2. Traffic Calming Measures and Parking Study

Concurrently, and in an unrelated study, a number of traffic calming measures and parking options are currently being evaluated, to address traffic needs in Belfountain Village. Recommendations for additional traffic calming measures resulting from this review can be coordinated with the implementation of the state of good repair improvements. The Region is planning to hold a Public Information Center to present the proposed parking options and traffic calming measures to the local residents. The SOGR rehabilitation project will also be presented at the same time, for discussion at the community meeting.

Detailed Design and Contract Administration for Mississauga Road and Bush Street in Belfountain, Capital Project 14-4065, Town of Caledon, Ward 1

3. Belfountain Community Feedback

To build trust and maintain transparency, staff are committed to proactively keeping the Belfountain community informed regarding the progress of the SOGR project during the planning and implementation phases.

The goal of discussions with the community is to build on past discussions that occurred during the original EA Study and to prepare a plan to address the operational and maintenance needs of Belfountain Village while maintaining local character. As a result, the scope of work is presently limited to pavement rehabilitation and culvert replacements with the potential addition of traffic calming measures. Any proposed improvements will be managed within the available Right-of-Way, and within available budgets.

The project communication plan will include public notices, project webpage, social media, newsletters, as well as a public information center on the proposed SOGR improvements and the recommendations of the traffic calming and parking study.

4. Proposed Direction

HDR has provided an estimate in the amount of \$400,000 for additional engineering services to undertake the design and contract administration and incorporate SOGR improvements to the Regional roads within the Belfountain Village into the current capital project. Staff have reviewed the estimate and conclude that it provides good value and be less disruptive than having the SOGR work completed as a separate project from the planned reconstruction of Mississauga Road and Bush Street.

The additional scope of work will include:

- Pavement Rehabilitation design
- Culvert design
- Preparation of design package, construction cost estimate and incorporation of the design and tender into Capital Project 14-4065
- A Public Information Center
- Environmental requirements and permits
- Contract administration

Staff therefore recommend that the current contract for the detailed design, contract administration and construction inspection services with HDR Corporation be amended accordingly.

RISK CONSIDERATIONS

As indicated through both the EA and the SOGR assessment, without any improvements, road conditions will continue to deteriorate to the point that full reconstruction will be required in the near future. The cost of full reconstruction is significantly higher than the cost of conducting the necessary rehabilitation works outlined in this report.

Should Council decide against increasing the scope of HDR's existing contract by \$400,000, staff would recommend pursuing a competitive bid to retain an alternate consultant to complete the works. An alternate consultant would not be familiar with the engineering requirements and history of the project and would require additional time and resources to familiarize themselves

Detailed Design and Contract Administration for Mississauga Road and Bush Street in Belfountain, Capital Project 14-4065, Town of Caledon, Ward 1

before undertaking the work. This delay would likely mean that the SOGR works would be completed as a separate project from the planned reconstruction of Mississauga Road and Bush Street, resulting in greater disruption to the community and delays in addressing infrastructure deterioration.

FINANCIAL IMPLICATIONS

Staff recommend that the current contract for the detailed design, contract administration and construction inspection services for Mississauga Road/Old Main Street and Bush Street between the Region of Peel and HDR Corporation at a current value of \$1,945,116, be amended to include the additional engineering services described in this report, estimated at a cost of \$400,000 (excluding applicable taxes), for a total new contract commitment of \$2,345,116.

There are sufficient funds available in the approved budget Capital Project for Project 14-4065 to complete the additional works.

To fund the construction costs related to this change in scope for design, the Region has programmed the resurfacing and drainage improvements in Belfountain Village under the five-year Pavement Management Plan.

In accordance with Section 5.5.2 of the Procurement By-law 30-2018, as amended, and approval authorities outlined in Procurement Procedure F35-05 Purchase Orders and Vendor Contracts, contract increases exceeding 20 percent of the original contract value and over \$250,000 require Council approval. On that basis, the process to amend the scope of the contract with HDR to incorporate additional works within the Belfountain Community requires Regional Council approval.

CONCLUSION

Staff recommend that the current contract for the detailed design, contract administration and construction inspection services with HDR, under Capital Project 14-4065, be amended in the amount of \$400,000 to include additional engineering services that will address drainage improvements, culvert replacements, and resurfacing of Mississauga Road/Old Main Street and Bush Street in Belfountain Village, along with obtaining the required permits and approvals.

This action is recommended in response to Peel's State of Good Repair (Pavement Rehabilitation/Asset Management) Program which has identified necessary improvements on Mississauga Road/Old Main Street from Caledon Mountain Drive to Bush Street and Bush Street from Old Main Street/Mississauga Road to Shaws Creek Road in Belfountain Village.

APPENDICES

Appendix I - Project Map Location

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