
DATE: June 2, 2010

REPORT TITLE: **REGIONAL ROAD 15 (STEELES AVENUE) WIDENING FROM
MISSISSAUGA ROAD TO WINSTON CHURCHILL BOULEVARD
CAPITAL PROJECTS 04-4075, 07-1116 AND 10-2104
DOCUMENT 2004-348P
CITY OF BRAMPTON, WARD 6**

FROM: Dan Labrecque, Commissioner of Public Works

RECOMMENDATION

That contract (Document 2004-348P) for engineering services with Stantec Consulting Ltd be extended to provide additional engineering services, in the estimated amount of \$450,000 (excluding applicable taxes), under Capital Projects 04-4075, 07-1116 and 10-2104, for a total commitment of \$1,424,000 (excluding applicable taxes), in accordance with Purchasing By-law 63-2008;

And further, that the funding for Capital Project 04-4075 be changed to reflect recovery of \$1,500,000 from the Region of Halton, as outlined in the report of the commissioner of Public Works, dated June 2, 2010, titled "Regional Road 15 (Steeles Avenue) Widening from Mississauga Road to Winston Churchill Boulevard, Capital Projects 04-4075, 07-1116 and 10-2104, Document 2004-348P – City of Brampton, Ward 6".

REPORT HIGHLIGHTS

- The Regional Road 15 (Steeles Avenue) Widening from Mississauga Road to Winston Churchill Boulevard, Project 04-4075, is required to accommodate increased traffic volumes in southwest Brampton.
- The Region of Peel committed to complete the watermain and sanitary sewer works by 2010 under Projects 07-1116 and 10-2104, which are required to service future development along Steeles Avenue.
- Implementation of additional works is necessary to meet the Region of Peel commitments to improve the Regional road system and provide water and sanitary sewer service to the area residents and business.
- Sufficient funding is available under Capital Projects 04-4075, 07-1116 and 10-2104 to cover the cost of the required additional works.
- Project financing being amended to reflect \$1.5 million in recoveries from Halton Region.

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DISCUSSION

1. Background

Project 04-4075, Regional Road 15 (Steeles Avenue) Widening from Mississauga Road to Winston Churchill Boulevard, is being implemented to accommodate increased traffic volumes in southwest Brampton.

This road project also includes Project 07-1116, construction of a new 400mm (16 inch) watermain along Steeles Avenue, from Heritage Road to Winston Churchill Boulevard, and along Winston Churchill Boulevard, from Steeles Avenue to the north boundary of Highway 407; which will supply the future water demands of development taking place along Steeles Avenue and Winston Churchill Boulevard.

Construction of these projects was scheduled to start in 2007; however, during the design period, and in consultation with the City of Brampton and the Region of Halton, several design changes were made; which necessitated additional land and time to complete the final design. Subsequently, delays of the utility companies in the relocation of their plant, did not allow being ready to tender until February 2010.

The Region of Peel's Wastewater Division requested that the construction by tunneling, of a 675mm (27 inch) sanitary sewer on Steeles Avenue, from Levi Creek to Hereford Road, be included in this tender. This inclusion was necessary to meet the commitment made by Region of Peel to provide sanitary sewer service to developers along this section of Steeles Avenue by 2010.

The Region of Halton, which is cost sharing the road widening project, requested that the construction of a section of sanitary sewer and watermain, which is located within their jurisdiction on Steeles Avenue and Winston Churchill Boulevard, be included as part of this tender.

Therefore, after securing the funding for the Region of Peel sanitary sewer works, as well as obtaining the Region of Halton funding approval for their additional works, the design was prepared in approximately two months, the projects were tendered in April 2010 and construction is scheduled to start in June 1, 2010.

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2. Findings

The design changes together with the inclusion of the Region of Peel and Region of Halton additional works resulted in the following additional design, and contract administration and inspection costs:

a) Additional Design Costs

i) Region of Peel Sanitary Sewer Tunneling

Based on the scope of work provided by the Region of Peel Water Division, a quote was requested from Stantec Consulting Ltd to prepare the design, which was negotiated to the following prices:

Preparation of geotechnical report	\$35,000
Preparation of design drawings and approvals	\$60,000
Meetings, incidentals and contingency	<u>\$15,000</u>
Total	\$110,000

ii) Region of Halton Sanitary Sewer and Watermain

Similarly, based on the scope of work provided by the Region of Halton, a quote was requested from Stantec Consulting Ltd to prepare the design, which was negotiated to the following prices:

Preparation of geotechnical report	\$15,000
Preparation of design drawings and approvals	\$20,000
Meetings, incidentals and contingency	<u>\$ 5,000</u>
Total	\$40,000

On this basis, the additional design costs were estimated at \$150,000, excluding applicable taxes.

b) Additional Contract Administration and Inspection Costs

Design changes during the regular design assignment and an increased scope of work in 2010, coupled with the fact that construction will start in 2010 rather than 2007 resulted in increased consultant fees.

The delay in construction start requires additional contract administration and inspection resources in the estimated amount of \$300,000 including contingencies.

The additional funding required to pay for the increased design, contract administration and inspection services is estimated at \$450,000, excluding applicable taxes.

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FINANCIAL IMPLICATIONS

Sufficient funds are available under Capital Projects 04-4075, 07-1116 and 10-2104 to cover the additional engineering services costs and distributed as follows:

Project 04-4075	\$185,000
Project 07-1116	\$ 70,000
Project 10-2104	\$195,000

It is also proposed to amend the broader project financing plan to reflect the portion of the project which is to be funded through Halton contributions, a total of \$1.5 in aggregate against the \$19.6 million total project budget.

The Halton funding will enable release of the following encumbered Regional financing sources:

Project 04-4075	Development Charges	\$1,000,000
	Replacement Reserves	<u>\$ 500,000</u>
Total		\$1,500,000

CONCLUSION

The widening of Steeles Avenue is being undertaken to accommodate increased traffic volumes between Mississauga Road and Winston Churchill Boulevard in southwest Brampton. The project includes construction of watermains and sanitary sewer to service the imminent development along Steeles Avenue and Winston Churchill Boulevard.

It is therefore recommended that approval be given to increase the value of Stantec Consulting Ltd purchase order 18271 to meet the Region of Peel commitments to improve the Regional road system and provide water and sanitary sewer services to the residents and the businesses.

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Dan Labrecque

Commissioner of Public Works

Approved for Submission:



D. Szwarc, Chief Administrative Officer

For further information regarding this report, please contact Jose Montouto at extension 7813 or via email at jose.montouto@peelregion.ca

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c. Legislative Services
J. Macintyre, Director, Purchasing
HTJ Manager, Financial Support Unit (FSU)

APPENDIX I

June 2, 2010



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