
DATE: April 2, 2012

REPORT TITLE: **CONSTRUCTION OF REGIONAL ROAD 8 (THE GORE ROAD)
FROM COTTRELLE BOULEVARD TO CASTLEMORE ROAD
CAPITAL PROJECT 03-4020
DOCUMENT 2010-039T
CITY OF BRAMPTON, WARD 10**

FROM: Dan Labrecque, Commissioner of Public Works

RECOMMENDATION

That the contract (Document 2010-039T) between the Region of Peel and Aecon Construction and Materials Ltd. for the widening of The Gore Road from Cottrelle Boulevard to Castlemore Road be extended in the estimated amount of \$1,336,300 (excluding applicable taxes), under Capital Project 03-4020 for a total commitment of \$15,439,332 (excluding applicable taxes), in accordance with Purchasing By-law 63-2008;

And further, that the budget for Capital Project 03-4020 for widening of The Gore Road from Cottrelle Boulevard to Castlemore Road be increased by \$1,336,300 (excluding applicable taxes) to be financed from Development Charges Road Reserve R3505;

And further, that staff undertake to recover the construction costs attributable to delays by Bell Canada and Enbridge Gas.

REPORT HIGHLIGHTS

- The Region of Peel awarded the construction for the widening of The Gore Road from Cottrelle Boulevard to Castlemore Road to Aecon Construction and Materials Ltd. under Document 2010-039T, Capital Project 03-4020.
- Additional work due to scope changes has been identified during construction.
- A number of delays in utility relocations by Bell Canada and Enbridge Gas and changes due to new adjacent developments resulted in additional work by the contractor.
- It is proposed to increase the contract amount with Aecon Construction and Materials Ltd. by \$1,336,300 (excluding applicable taxes) funded from Development Charges Road Reserve R3505.
- The contractor may submit a delay claim to the Region and this claim will be subject to full review and analysis prior to any assessment of liability.

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DISCUSSION

1. Background

Regional Council approved works for the widening of The Gore Road from Cottrelle Boulevard to Castlemore Road, City of Brampton, under capital Project 03-4020. The purpose of this work is to provide a higher capacity north/south arterial and improve the flow of traffic in this rapidly growing community in the northeast part of Brampton.

In July 2010, the contract (Document 2010-039T) was awarded to Aecon Construction and Materials Ltd. The value of the current Purchase Order is \$14,103,032 (excluding applicable taxes).

2. Assessment

a) The Gore Road Scope Changes and Costs

Initially, it was anticipated that the planned work would be carried out during the 2010 and 2011 construction season. However, during the course of the project a number of scope changes were added. These changes were required to accommodate several ongoing works managed by private sector developers, immediately adjacent to The Gore Road and are listed in the table below.

Description	Costs
Additional traffic signals at Castle Oaks Boulevard	\$36,600
Entrance geometric changes at Castlemore Public School, Tropic Aquaria site and the Sikh Temple site.	\$32,900
Intersection geometric changes at Panahill Drive and Strathdale Road due to changes in development.	\$42,400
Removal and off-site disposal of 24,000m ³ of excess material in the road boulevard at \$17.70/m ³ . Typically when road widening precede adjacent development, the road and boulevard are raised and graded back beyond the right-of-way to tie into existing elevations, necessitating encroachment and the placement of material onto adjacent development. However, in this case development preceded the road widening resulting in the reverse, albeit at a much higher elevation, where tie-in occurred into the right-of-way.	\$424,800
Extensive hydrovac work had to be done to expose underground utilities that were found to be in conflict with the road work and required precise locating. This extra work helped to avoid damage to utilities during construction and associated cost and inconvenience to the public.	\$54,300
Concrete bus pads and additional sidewalk at the request of the City of Brampton. (recoverable from City)	\$100,000
Due to the active land development in the area, design changes such as the relocation of new school flashing beacon, revisions to the guide rail installation, addition of crash attenuators, additional tree removal, and extension of grading and paving on side streets to	\$189,600

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match into existing elevations were required.	
Permit approval for the bridges were not received until October 2010, thus delaying the commencement of bridge construction. In order to accelerate construction it was decided to proceed with the placement of concrete for the bridges. This was done in the winter which required additional costs associated with winter heat and other winter protection measures for the concrete. These added costs saved further expenses due to the delays.	\$205,000
Revision of the layout and construction of the storm sewer because of conflicts with utility location.	\$114,000*
Revision of traffic staging to suit changes in the contractor's sequencing of works because existing utilities stayed in conflict with the work.	\$136,700*
Total	\$1,336,300

*Delays in utility relocations by Bell and Enbridge Gas held back the contractor and resulted in extra works. The Region will attempt to recover these extra costs from the utilities.

b) Potential Recovery from Utilities

Utility relocations are typically required to accommodate road widening projects. The delay associated with relocating utilities cannot be avoided. Peel staff coordinate with all utilities and agencies on a regular basis and for the most part, timeframes are acceptable and adhered to. For The Gore Road project, utility relocations by Bell Canada and Enbridge Gas were not completed within a reasonable period and resulted in significant delays and additional costs to the project.

It is recommended that the Region attempt to recover some, if not all of the utility delay costs from Bell Canada and Enbridge Gas related to their actions. This will assist in mitigating the costs accrued to date and offset any potential delay claims.

c) Potential Delay Claims from Contractor

Due to the significant delay by Bell Canada and Enbridge Gas in relocating their utilities and the resulting completion time, there may likely be a delay claim from the contractor. At this time, it is premature to estimate the Region's liability, if any, for such a claim. Should the Contractor submit a claim to the Region, it will be reviewed for validity with support from Purchasing and Legal staff. Any additional budget implications of any negotiation process will be reported back to Council, in accordance with the Financial Control By-law.

d) Project Delay Risks

This project was delayed in its implementation due to a number of delays in utility relocation (Bell Canada and Enbridge Gas) and in obtaining permits. Between detailed design and construction, delays can occur and site conditions may change in the mean time, which will negatively impact the project's schedule and cost.

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FINANCIAL IMPLICATIONS

It is proposed to increase the budget for capital project 03-4020 by the amount of \$1,336,300 funded from Development Charges Road Reserve R3505.



for Dan Labrecque
Commissioner of Public Works

Approved for Submission:



D. Szwarc, Chief Administrative Officer

For further information regarding this report, please contact Willy Lising at extension 7811 or via email at willy.lising@peelregion.ca



Authored By: Willy Lising *WLL*



- c. Legislative Services
- N. Trim, Chief Financial Officer
-  L. Morrow, Acting Director, Purchasing
Manager, Financial Support Unit (FSU)

APPENDIX I

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