

PW-B5-1



**REPORT**  
**Meeting Date: July 4, 2013**  
**Regional Council**

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DATE: May 29, 2013

REPORT TITLE: **PROFESSIONAL ENGINEERING SERVICES TO SUPPORT A CLASS 'B' ENVIRONMENTAL ASSESSMENT FOR IMPROVEMENTS TO TWO INTERSECTIONS ON ERIN MILLS PARKWAY AT BURNHAMTHORPE ROAD AND AT DUNDAS STREET CAPITAL PROJECTS 11-4250 AND 11-4217 DOCUMENT 2013-223P CITY OF MISSISSAUGA, WARDS 2 AND 8**

FROM: Dan Labrecque, Commissioner of Public Works

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#### **RECOMMENDATION**

**That the contract (Document 2013-223P) for professional engineering services to support a Schedule "B" Class Environmental Assessment Study for improvements to Erin Mills Parkway/Burnhamthorpe Road West and Erin Mills Parkway/Dundas Street West intersections be awarded to CIMA Canada Inc. in the estimated amount of \$302,159 (excluding applicable taxes), under Capital Projects 11-4250 and 11-4217, in accordance with Purchasing By-law 63-2008.**

#### **REPORT HIGHLIGHTS**

- Capital Projects 11-4250 and 11-4217 involve professional engineering services for the preparation of technical studies to support a Schedule 'B' Environmental Assessment (EA) study for intersection improvements at Erin Mills Parkway and Burnhamthorpe Road West and Erin Mills Parkway and Dundas Street West.
- Staff will conduct work associated with this EA in-house including 30 per cent detailed design to enable identification of general utility and property requirements. The professional engineering firm will be responsible for preparation of specific technical reports (e.g. Geotechnical Investigation, Hydraulic and Hydrology Analysis, Drainage and Stormwater Management, Archaeological Assessment).
- The Request for Proposal (RFP) Document 2013-223P was competitively issued and CIMA Canada Inc. is recommended for award as representing the best overall value to the Region of Peel.

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## **DISCUSSION**

### **1. Background**

Erin Mills Parkway (Regional Road 1) is a north-south arterial road in the Region of Peel, wholly located within the City of Mississauga. Erin Mills Parkway is a fully built out six lane road with a 45 metre (148 feet) existing right-of-way.

In 2011, intersection analysis was completed to identify intersections that needed improvements to accommodate growth. The results of the analysis were input into the Development Charges (DC) Update. The intersections of Burnhamthorpe Road and Dundas Street, (see study area map in Appendix I) were identified as needing improvements. Currently, both intersections have reached a level of service 'F', this means very high levels of congestion, delays, long queues and very high numbers of vehicles cannot clear the intersection in a single cycle.

Staff is conducting the EA in-house including 30 percent detailed design. Staff's experience is that this approach helps to control the quality of the product, schedule and costs. As part of this EA, specific sub-studies must be outsourced as the expertise is uniquely specialized.

These include:

- Hydraulic and Hydrology Analysis;
- Drainage and Stormwater Management;
- Archaeological Assessment and Cultural and Built Heritage Assessment;
- Geotechnical Investigation and Pavement Design;
- Noise Impact; and,
- Air Quality Assessment.

The EA will review traffic mobility, various planning alternatives and consider transportation demand management solutions (e.g. active transportation and transit). Also, recommendations and details of previous and current capital projects and transportation studies will be reviewed such as, Region of Peel Active Transportation Plan, City of Mississauga Cycling Master Plan, Road Characterization Study and the Strategic Goods Movement Network Study. On February 13, 2013 staff met with representatives from the City of Mississauga Transportation and Works Department to discuss the scope of work of this EA and illicit input into the terms of reference for this RFP. The objectives of the EA study are:

- To validate the previous analysis that recommended improvements to the intersections;
- Make recommendations for intersection improvements at both locations;
- Evaluate impacts of recommended solutions;
- Make recommendations for transportation demand management solutions; and,
- Establish an implementation schedule and cost estimates for improvements to the 2031 horizon year.

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Anticipated timelines for this EA are:

- Project Award and Kick-off in August 2013;
- Studies, Consultation, Alternatives Analysis 2014;
- Public Information Centre (PIC) in Late 2014; and,
- EA completion in Early 2015

Construction is anticipated to commence in 2016/2017.

## 2. Procurement Process

The Region of Peel issued a Request for Proposal 2013-223P to the following Professional Engineering firms: Cole Engineering Group Ltd., Hatch Mott MacDonald Ltd., CIMA Canada Inc., Morrison Hershfield Ltd., and Genivar Inc.

All five professional engineering firms submitted proposals on time and the documents were found to be in order. The proposals were submitted in two parts; the first being the technical component and the second being the financial component. The Technical Evaluation Team reviewed the submissions in accordance with set criteria. The evaluation criteria includes the consultant's understanding of the project, work plan (methodology), value added services, qualifications and experience of the proposed personnel, the consultant's previous experience with similar projects, schedule and estimated cost to complete the assignment. CIMA Canada Inc. submitted a comprehensive work plan that much more accurately reflected the level of effort required to complete this assignment and included specific knowledge of the Study area and the unique requirements of the necessary public engagement.

Upon completion of the technical evaluation, the purchasing representative completes the financial analysis. The scores are then combined, and the overall ranking determined.

The evaluation summary is as follows:

<b>Vendor Name and Location</b>	<b>Technical (70 per cent)</b>	<b>Financial (30 per cent)</b>	<b>Price Submitted</b>	<b>Overall Ranking</b>
CIMA Canada Inc. Burlington, ON	1	2	\$302,159	1
Cole Engineering Group Ltd. Markham, ON	3	1	\$248,171	2
Hatch Mott MacDonald Ltd. Mississauga, ON	2	3	\$347,945	3

The proposal submitted by CIMA Canada Inc. received the highest score overall when assessing the combination of technical proficiency and price. CIMA Canada Inc. demonstrated a thorough understanding of the assignment, presented an experienced team, and proposed a comprehensive project approach and provides the best overall value to the Region of Peel.

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**FINANCIAL IMPLICATIONS**

Sufficient funding is available under Capital Projects 11-4250 and 11-4217.




Dan Labrecque  
Commissioner of Public Works

**Approved for Submission:**



D. Szwarc, Chief Administrative Officer

*For further information regarding this report, please contact Sally Rook at extension 7842 or via email at [sally.rook@peelregion.ca](mailto:sally.rook@peelregion.ca)*

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**APPENDIX I**

