

**CITY OF VAUGHAN**

**EXTRACT FROM COUNCIL MEETING MINUTES OF FEBRUARY 19, 2013**

Item 3, Report No. 5, of the Committee of the Whole, which was adopted without amendment by the Council of the City of Vaughan on February 19, 2013.

**3**

**SELECTION OF ENGINEERING CONSULTANT  
FOR SUBSURFACE UTILITY ENGINEERING SERVICES  
RFP12-452**

**The Committee of the Whole recommends approval of the recommendation contained in the following report of the Commissioner of Engineering and Public Works, dated February 5, 2013:**

**Recommendation**

The Commissioner of Engineering and Public Works in consultation with the Director of Purchasing Services and the Director of Budgeting and Financial Planning recommends:

1. That T2 Utility Engineers Inc. be retained to provide professional services for subsurface utility investigations (RFP12-452) in the amount of \$147,867.50, plus applicable taxes and administration recovery;
2. That a contingency allowance in the amount of \$15,000.00, plus applicable taxes and administration recovery be approved within which the Commissioner of Engineering and Public Works or his designate is authorized to approve amendments to the contract;
3. That the amounts of the above recommendations, illustrated within this report, be funded by Capital Budget Project No. EN-1731-09, including all contingency allowances, applicable taxes and administration recovery; and
4. That the Mayor and City Clerk be authorized to sign the appropriate documents.

**Contribution to Sustainability**

Not Applicable.

**Economic Impact**

The total cost of \$171,000.00 for the first term of the assignment, which includes a contingency allowance, administration recovery and applicable taxes falls within the approved budget amount, and as such, there is no additional economic impact to the Capital Project EN-1731-09. This is a multi year assignment; the first fixed term commences immediately upon award in 2013 and shall be completed in December 2013. The City will have the option to extend this contract for an additional three (3), one (1) year periods for 2014, 2015 and 2016 subject to ongoing satisfactory performance and budget approvals.

**Communications Plan**

Not Applicable.

**Purpose**

To obtain approval to retain T2 Utility Engineers Inc. for subsurface utility investigations and engineering design for capital projects undertaken by Engineering Services, as detailed in the Terms of Reference for RFP12-452.

## CITY OF VAUGHAN

### EXTRACT FROM COUNCIL MEETING MINUTES OF FEBRUARY 19, 2013

#### Item 3, CW Report No. 5 – Page 2

#### **Background - Analysis and Options**

Subsurface Utility Engineering (SUE) uses a combination of geophysics, surveying and civil engineering technologies to locate and accurately map underground utilities within a municipal right of way. The buried infrastructure identified through SUE includes information for water supply, sewage, gas, power, and cable/telecom data transmission.

A SUE investigation will typically be performed for capital projects that require significant excavation, such as sewer or watermain replacements and road reconstruction projects. Although this service adds additional costs to detailed designs, SUE investigations will aid in managing risks associated with underground utilities by allowing staff to develop designs that more accurately depict the location of these utilities. This information will also provide the opportunity to properly plan any necessary utility relocations, minimizing delays to the projects; develop more accurate designs, minimizing costs and delays associated with unforeseen subsurface conditions; as well as mitigating further inconvenience to local businesses and residents.

In response to the Request for Proposals 12-452, that was issued on October 30, 2012, submissions were received from the following consultants:

1. Multiview Locates Inc.
2. Cole Engineering Group Ltd.
3. Promark-Telecon Inc. UES Division
4. T2 Utility Engineers Inc.
5. Planview Utility Services Ltd.

An evaluation meeting was held on December 12, 2012, with the review committee comprising of representatives from Engineering Services and Purchasing Services.

A standardized two stage scoring and ranking system was used for the proposal as follows:

Stage 1 – Technical Evaluation: 85 Points

Stage 2 – Cost Evaluation: 15 points

Proposal submissions obtaining a technical score meeting or exceeding 68 points (80%) percent were short-listed for consideration under Stage 2 - Cost Evaluation.

T2 Utility Engineers Inc. scored the highest number of points during the evaluation process. Based on the evaluation of the proposals, it is recommended that the proposal submitted from T2 Utility Engineers Inc. be accepted and that an Engineering Agreement be executed.

The total estimated cost for professional geotechnical engineering services, including all applicable taxes is \$171,000.00, and is calculated as follows:

T2 Utility Engineers fee (excl. H.S.T.)	\$147,867.50
Contingency Amount (approx. $\pm$ 10%)	\$ 15,000.00
Sub-Total	\$162,867.50
Non- recoverable H.S.T. (1.76%)	\$ 2,866.47
Total	\$165,733.97
Administration Recovery (3%)	\$ 4,972.02
Net Total Cost	\$170,705.99

**ROUNDED      \$171,000.00**

CITY OF VAUGHAN

**EXTRACT FROM COUNCIL MEETING MINUTES OF FEBRUARY 19, 2013**

Item 3, CW Report No. 5 – Page 3

PROJECT FUNDING POSITION SUMMARY	
CAPITAL PROJECT	EN-1731-09
Approved Budget	\$824,000.00
Less: Exp. & Commitments to Date	(634,932.66)
Current Funds Remaining	\$189,067.34
Less: Total Design Assignment Cost	\$171,000.00
<b>Balance Remaining</b>	<b>\$ 18,067.34</b>

**Relationship to Vaughan Vision 2020/Strategic Plan**

In consideration of the strategic priorities related to Vaughan Vision 2020, the recommendations of this report will assist in mitigating risks in project construction, thus contributing to excellence in service delivery.

**Regional Implications**

Not Applicable.

**Conclusion**

Staff recommends that this subsurface utility engineering assignment be awarded to T2 Utility Engineers Inc., in the amount of \$147,867.50, plus applicable taxes and administration recovery.

**Attachments**

Not Applicable.

**Report prepared by:**

Paolo Masaro, P. Eng., Design Engineer, ext. 8446

Vince Musacchio, P. Eng., PMP, Manager, Capital Planning and Infrastructure, ext. 8311

## **COMMITTEE OF THE WHOLE - FEBRAURY 5, 2013**

### **SELECTION OF ENGINEERING CONSULTANT FOR SUBSURFACE UTILITY ENGINEERING SERVICES RFP12-452**

#### **Recommendation**

The Commissioner of Engineering and Public Works in consultation with the Director of Purchasing Services and the Director of Budgeting and Financial Planning recommends:

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3. That the amounts of the above recommendations, illustrated within this report, be funded by Capital Budget Project No. EN-1731-09, including all contingency allowances, applicable taxes and administration recovery; and
4. That the Mayor and City Clerk be authorized to sign the appropriate documents.

#### **Contribution to Sustainability**

Not Applicable.

#### **Economic Impact**

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#### **Communications Plan**

Not Applicable.

#### **Purpose**

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#### **Background - Analysis and Options**

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### **Relationship to Vaughan Vision 2020/Strategic Plan**

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### **Regional Implications**

Not Applicable.

### **Conclusion**

Staff recommends that this subsurface utility engineering assignment be awarded to T2 Utility Engineers Inc., in the amount of \$147,867.50, plus applicable taxes and administration recovery.

### **Attachments**

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### **Report prepared by:**

Paolo Masaro, P. Eng., Design Engineer, ext. 8446  
Vince Musacchio, P. Eng., PMP, Manager, Capital Planning and Infrastructure, ext. 8311

Respectfully submitted,

Paul Jankowski, P. Eng.  
Commissioner of Engineering and Public Works

Jack Graziosi, P. Eng.  
Director of Engineering Services

PM:mc