

CITY OF VAUGHAN

EXTRACT FROM COUNCIL MEETING MINUTES OF JUNE 25, 2013

Item 12, Report No. 32, of the Committee of the Whole, which was adopted without amendment by the Council of the City of Vaughan on June 25, 2013.

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**AWARD OF TENDER T13-063 AND BUDGET AMENDMENT
WATERMAIN REPLACEMENT AND ROAD REHABILITATION
CHAVENDER PLACE AND MEETING HOUSE ROAD
ROAD REHABILITATION
NORTON PLACE, ROSEBURY LANE AND ROSEWOOD COURT
WARD 2**

The Committee of the Whole recommends approval of the recommendation contained in the following report of the Commissioner of Engineering and Public Works and the Director of Engineering Services, dated June 18, 2013:

Recommendation

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

1. That Tender T13-036, Watermain Replacement and Road Rehabilitation Chavender Place and Meeting House Road, Road Rehabilitation Norton Place, Rosebury Lane and Rosewood Court be awarded to Direct Underground Inc., in the amount of \$1,357,345.00, plus applicable taxes;
2. That the following project costs, plus applicable taxes, be approved:
 - a. A contingency allowance in the amount of \$140,000.00, within which the Commissioner of Engineering and Public Works or his designate is authorized to approve amendments to the contract;
 - b. A Geotechnical and Material Testing amount of \$14,000.00, to ensure compliance with all applicable standards;
 - c. Additional funds in the amount of \$31,412.54 for this project, to be funded from the Water Reserve;
3. That the inclusion of this matter on a Public Committee or Council agenda with respect to amending the capital budget identified as Award of Tender T13-063 and Budget Amendment is deemed sufficient notice pursuant to Section 2(1)(c) of By-Law 394-2002
4. That the amounts of the above recommendations, illustrated within this report, be funded by Capital Budget Project Nos. EN-1902-12, E-1903-12 and EN-1871-13, including all contingency allowances, applicable taxes and administration recovery; and
5. That the Mayor and City Clerk be authorized to sign the appropriate documents.

Contribution to Sustainability

The watermain replacement and the resurfacing/rehabilitation of roads will ensure that an acceptable level of service by the City's infrastructure is maintained for the health and well being of its citizens.

The rehabilitation of the existing roads by utilizing recycled construction materials is consistent with Green Direction Vaughan Goal #1: To significantly reduce our use of natural resources and

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the amount of waste we generate, in particular Objective 1.1. To reduce greenhouse gas emissions and move towards carbon neutrality for the City of Vaughan's facilities and infrastructure.

Economic Impact

The total project cost of \$1,553,587 is available within Capital Budget Projects Nos. EN-1902-12, EN-1903-12 and EN-1871-13. An additional \$31,413 from the Water Reserve is requested to complete the required watermain replacements. A detailed explanation of the funding is provided in the **Background-Analysis and Options** section of this report.

Communications Plan

Once the project is awarded, staff will advise the Mayor and Members of Council and will distribute a notice of construction to the affected residents.

As approved through the 2012 Capital Budget process, Council directed staff to develop a video explaining how the City manages the rehabilitation of roadways. A video has been developed to assist in explaining to citizens how the City determines and schedules appropriate pavement management activities. A link to this video will be included in the notice of construction.

Purpose

Council approval to award Tender T13-063, Watermain Replacement and Road Rehabilitation, Chavender Place and Meeting House Road, Road Rehabilitation Norton Place, Rosebury Lane and Rosewood Court and amend the capital budget.

Background – Analysis and Options

The scope of work as part of this contract includes the replacement of ductile iron watermain and road rehabilitation on Chavender Place and Meeting House Road, as well as road rehabilitation on Norton Place, Rosebury Lane and Rosewood Court, Capital Budget Project Nos. EN-1902-12, EN-1903-12 and EN-1871-13. (See Attachment No. 1 for project locations). Toronto and Region Conservation Authority (TRCA) approval is required for this project. Staff have been working with TRCA and have received an approval in principle; formal approval will be obtained before commencing any work within the TRCA regulated area.

The tender was advertised in the Daily Commercial News, on the Ontario Public Buyers Association (OPBA) and on Bidding on May 7, 2013, and on the City Webpage on May 9, 2013, and closed on May 22, 2013. A total of 10 sets of bid documents were picked up from the Purchasing Services Department and the following 3 compliant bids were received:

<u>Contractor</u>	<u>Total Bid Amount (excl. H.S.T.)</u>
Direct Underground Inc.	\$1,357,345.00
Mastercrete Construction Inc.	* \$1,437,859.00
Trisan Construction	* \$1,631,421.10

* *Corrected for arithmetic error.*

The estimated cost for the construction of this project is \$1,585,000.00 and is calculated as follows:

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	EN-1903-12 EN-1902-12	EN-1871-13	TOTAL
Direct Underground Inc. Bid Price (excluding H.S.T.)	\$580,745.00	\$776,600.00	1,357,345.00
Contingency Allowance (approx. 10%)	\$60,000.00	\$80,000.00	\$140,000.00
Geotechnical Allowance and Material Testing (estimated)	\$6,000.00	\$8,000.00	\$14,000.00
Sub-Total	\$646,745.00	\$864,600.00	\$1,511,345.00
H.S.T. (1.76%) Not Recoverable	\$11,382.71	\$15,216.96	\$26,599.67
Total	\$658,127.71	\$879,816.96	\$1,537,944.67
Administration (3%)	\$19,743.83	\$26,394.51	\$46,138.34
Net Total Cost	\$677,871.54	\$906,211.47	\$1,584,083.01

ROUNDED \$1,585,000.00

Typically, the design for a new watermain is based on using an alternative corridor to the existing watermain alignment to ensure uninterrupted water supply during construction. During the detailed design phase, it was determined that there was insufficient space within the municipal right-of-way to accommodate a new alignment. As a result, the proposed watermain will be constructed within the same location as the existing watermain. In order to ensure a continuous, uninterrupted supply of water during construction, an above ground temporary watermain is required to service the residents along Meeting House. The need for an above ground temporary watermain increased the cost of the project, which was not anticipated at the time of budget submission. The additional funding of \$31,413 to complete this work is requested from the Water Reserve.

PROJECT FUNDING POSITION SUMMARY		
CAPITAL PROJECT	EN-1903-12 EN-1902-12	EN-1871-13
Approved Budget	\$679,800.00	\$4,760,271.00
Less: Exp. & Commitments to Date	(\$33,341.00)	(\$2,974,000.00)
Current Funds Remaining	\$646,459.00	\$1,786,271.00
Less: Net Total Cost	\$677,871.54	\$ 906,211.47
Budget Shortfall	(\$31,412.54)	-----
Balance Remaining	-----	\$ 880,059.53

The project is not considered to be high in complexity and is of short duration, with a well defined scope. Therefore, a typical contingency allowance of 10% has been identified as an appropriate amount to address any unforeseen work in completing the scope of this project.

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Any residual funds will be transferred back to the original funding sources upon completion of the project.

Staff have reviewed the submitted bids, checked references and determined that Direct Underground Inc. is deemed qualified to undertake this project. Therefore, it is appropriate to award this contract to the low bidder, Direct Underground Inc.

The engineering estimate for the construction of this project was \$1,450,000.00, excluding HST.

Relationship to Vaughan Vision 2020/Strategic Plan

In consideration of the strategic priorities related to Vaughan Vision 2020, the recommendations of the report will assist in enhancing and maintaining community safety, health and wellness by ensuring that an appropriate level of service for the roadway conditions are maintained for the citizens of Vaughan. The replacement of the existing watermains will ensure that drinking water quality standards and infrastructure are maintained for the residents of the City of Vaughan.

Regional Implications

Not Applicable.

Conclusion

Staff recommends that this contract be awarded to Direct Underground Inc., in the amount of \$1,357,345.00, plus applicable taxes.

Attachments

1. Location Map

Report prepared by:

John Zanchettin, C.E.T., Senior Engineering Assistant, ext. 8470

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

(A copy of the attachments referred to in the foregoing have been forwarded to each Member of Council and a copy thereof is also on file in the office of the City Clerk.)

COMMITTEE OF THE WHOLE – JUNE 18, 2013

AWARD OF TENDER T13-063 AND BUDGET AMENDMENT WATERMAIN REPLACEMENT AND ROAD REHABILITATION CHAVENDER PLACE AND MEETING HOUSE ROAD ROAD REHABILITATION NORTON PLACE, ROSEBURY LANE AND ROSEWOOD COURT WARD 2

Recommendation

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

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1. Location Map

Report prepared by:

John Zanchettin, C.E.T., Senior Engineering Assistant, ext. 8470
Vince Musacchio, P. Eng., PMP, Manager of 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

JZ:mc

ATTACHMENT No. 1



WATERMAIN REPLACEMENT & ROAD REHABILITATION
CHAVENDER PLACE & MEETING HOUSE ROAD
ROAD REHABILITATION
NORTON PLACE, ROSEBURY LANE & ROSEWOOD COURT
T13-063

Legend

— SUBJECT ROADS

Note: Aerial photography acquired in spring, 2011



NOT TO SCALE