

CITY OF VAUGHAN

EXTRACT FROM COUNCIL MEETING MINUTES OF JANUARY 20, 2015

Item 5, Report No. 2, of the Committee of the Whole, which was adopted without amendment by the Council of the City of Vaughan on January 20, 2015.

5 AWARD OF TENDER T14-390 WATERMAIN REPLACEMENT AND ROAD REHABILITATION OF NEW WESTMINSTER DRIVE WARD 5

The Committee of the Whole recommends approval of the recommendation contained in the following report of the Commissioner of Public Works and the Director of Capital Delivery and Asset Management, dated January 13, 2015:

Recommendation

The Commissioner of Public Works and the Director of Capital Delivery and Asset Management in consultation with the Director of Purchasing Services and the Director of Financial Planning and Analytics recommend:

1. That Tender T14-390, New Westminster Drive Watermain Replacement and Road Rehabilitation be awarded to 614128 Ontario Ltd. O/A Trisan Construction, in the amount of \$794,294.00, plus applicable taxes;
2. That a contingency allowance in the amount of \$80,000.00, plus applicable taxes be approved, within which the Commissioner of Public Works or his designate is authorized to approve amendments to the contract;
3. That a Geotechnical and Material Testing amount of \$8,000.00, plus applicable taxes be approved, to ensure compliance with all applicable standards; and
4. That the Mayor and City Clerk be authorized to sign the appropriate documents.

Contribution to Sustainability

An integral part of a sustainable city is effective asset management. Through infrastructure investments, the risk of failure is reduced and system reliability improved, providing optimal service to residents. The proposed watermain replacement and road rehabilitation will maximize the return on the City's capital and operating investments and ensure that an acceptable level of service is maintained for the health and well-being of its citizens.

This project will also be the first major road project undertaken by the City specifying the use of warm mix asphalt. This asphalt mix uses less energy at the production plant, reducing carbon emissions, and can accommodate an increased percentage of recycled construction materials in the asphalt mix design. This is consistent with Green Directions Vaughan Goal #1: To significantly reduce our use of natural resources and 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 \$924,757.04 is available within Capital Budget Project No. EN-1943-13, titled "2014 Road Rehabilitation and Watermain Replacement - Phase 2". A detailed explanation of the funding is provided in the **Background-Analysis and Options** section of this report.

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Communications Plan

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

Purpose

Council approval to award Tender T14-390, New Westminster Drive Watermain Replacement and Road Rehabilitation to 614128 Ontario Ltd. O/A Trisan Construction.

Background – Analysis and Options

The Watermain Replacement and Road Rehabilitation on New Westminster Drive was approved as part of the 2013 and 2014 Capital Budgets

The scope of work as part of this contract includes the replacement of ductile iron watermain on New Westminster Drive from Steeles Avenue to Conley Street, and road rehabilitation from Steeles Avenue to Mullen Drive/Joseph Aaron Boulevard. (See Attachment No. 1 for project location). Approval from the City of Toronto was obtained for this project, as a portion of the work encroaches on Steeles Avenue.

On December 4, 2014, bids were received for T14-390, New Westminster Drive Watermain Replacement and Road Rehabilitation

The tender was advertised in the Daily Commercial News, on the Ontario Public Buyers Association (OPBA), Biddingo and the City webpage on November 19, 2014 and closed on December 4, 2014. A total of 8 compliant bids were received:

<u>Contractor</u>	<u>Total Bid Amount (excl. H.S.T.)</u>
614128 Ontario Ltd. O/A Trisan Construction	\$794,294.00
C. Valley Paving Ltd.	\$832,002.50
Tedescon Infrastructure Ltd.	\$843,511.00
Lakeside Contracting Company Ltd.	\$862,325.00
Direct Underground Inc.	\$874,075.00
Four Seasons Site Development Ltd.	\$849,810.00
Midome Construction Services Ltd.	\$971,650.00
Graham Bros. Construction Ltd.	\$980,127.86

The estimated cost for the construction of this project is \$925,000.00 and is calculated as follows:

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TABLE 1: ESTIMATED CONSTRUCTION COSTS			
	Watermain \$	Roads \$	Total \$
614128 Ontario Ltd. O/A Trisan Construction Bid Price (Excluding H.S.T.)	280,118.00	514,176.00	794,294.00
Contingency Allowance (Approx. 10%)	28,000.00	52,000.00	80,000.00
Geotechnical Allowance and Material Testing (Est.)	2,800.00	5,200.00	8,000.00
Sub-Total	310,918.00	571,376.00	882,294.00
H.S.T. (1.76%) Not Recoverable	5,472.16	10,056.22	15,528.37
Total	316,390.16	581,432.22	897,822.37
Administration (3%)	9,491.70	17,442.97	26,934.67
Net Total Cost	325,881.86	598,875.18	924,757.05

ROUNDED \$925,000.00

TABLE 2: PROJECT FUNDING POSITION SUMMARY			
	Watermain \$	Roads \$	Total \$
Approved Budget EN-1943-13	2,403,825.00	889,085.00	3,292,910.00
Expenses/Commitments to Date	(16,314.24)	(39,941.77)	(56,256.01)
Current Funds Remaining	2,387,510.76	849,143.23	3,236,653.99
Net Total Cost (T14-390)	(325,881.86)	(598,875.18)	(924,757.05)
Budget Remaining	2,061,628.89	250,268.05	2,311,896.94

The project is not considered to be high in complexity and is of short duration, with a well defined scope. In accordance with the Contingency Matrix (identified in Appendix 1 of the Capital Project Finance Administration and Reporting Policy), a contingency allowance of 10% has been identified as an appropriate amount to address any unforeseen work in completing the scope of this project.

Any residual funds in Project EN-1943-13 will be used to fund the watermain replacement and road rehabilitation on Crestwood Road, which is included in the original scope of work for this capital project.

Based on the review of the tender bids by staff, it is appropriate to award T14-390, New Westminster Drive Watermain Replacement and Road Rehabilitation, to the lowest compliant and responsive bidder, 614128 Ontario Ltd. O/A Trisan Construction.

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.

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Conclusion

Staff recommends that this contract be awarded to 614128 Ontario Ltd. O/A Trisan Construction, in the amount of \$794,294.00, plus applicable taxes.

Attachments

1. Location Map

Report prepared by:

Colin Cassar, C.E.T., Senior Engineering Assistant, ext. 8756
Paolo Masaro, P. Eng., Manager (Acting) Design Services, ext. 8446

(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 – JANUARY 13, 2015

AWARD OF TENDER T14-390

WATERMAIN REPLACEMENT AND ROAD REHABILITATION OF NEW WESTMINSTER DRIVE WARD 5

Recommendation

The Commissioner of Public Works and the Director of Capital Delivery and Asset Management in consultation with the Director of Purchasing Services and the Director of Financial Planning and Analytics recommend:

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Regional Implications

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Conclusion

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Report prepared by:

Colin Cassar, C.E.T., Senior Engineering Assistant, ext. 8756
Paolo Masaro, P. Eng., Manager (Acting) Design Services, ext. 8446

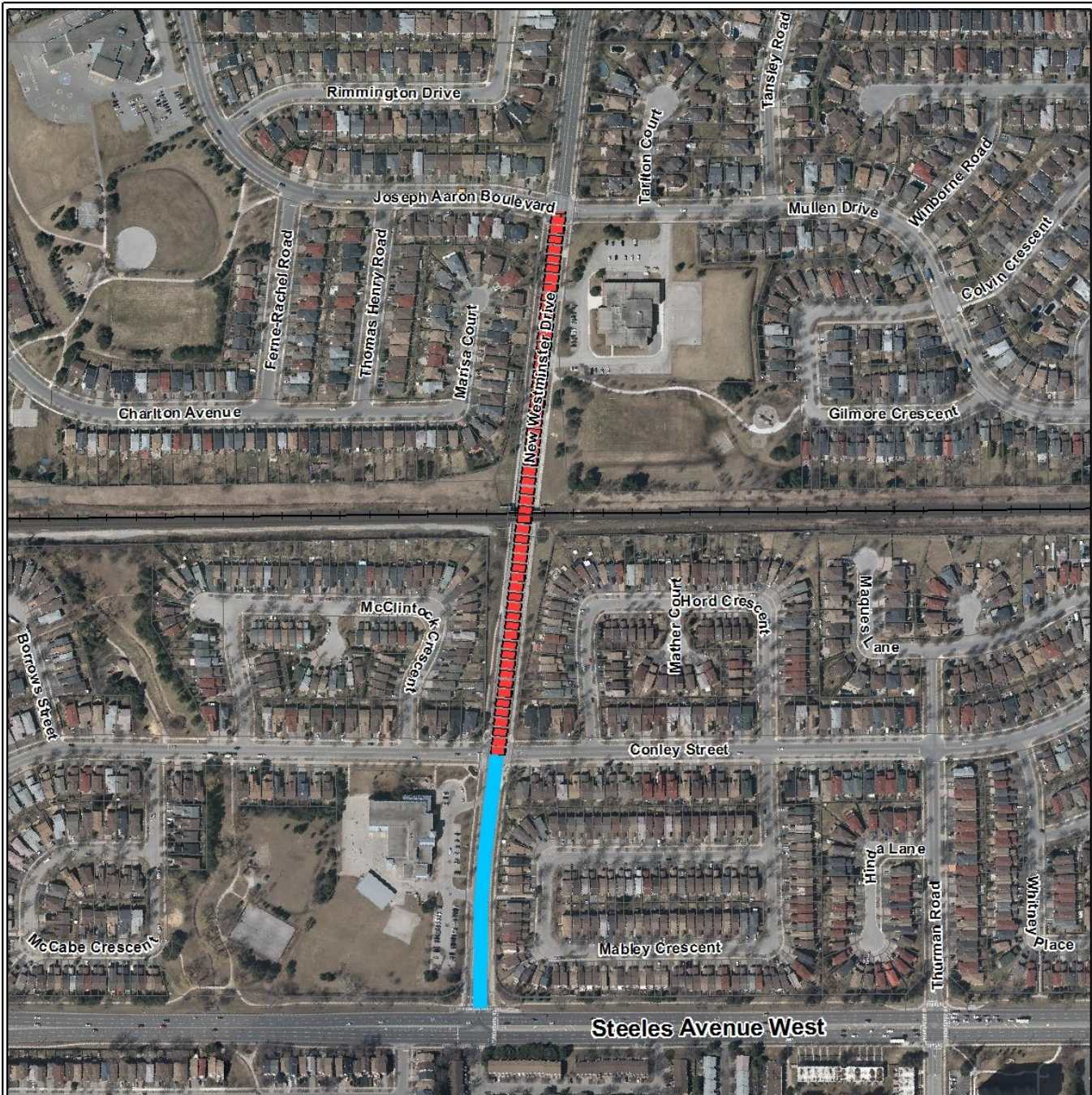
Respectfully submitted,

Paul Jankowski
Commissioner of Public Works

Jack Graziosi
Director of Capital Delivery
and Asset Management



CC:mc

ATTACHMENT No.1



New Westminster Drive Watermain Replacement and Road Rehabilitation T14-390

LEGEND

-  Subject Roads that include Road Rehabilitation and Watermain Replacement
-  Subject Roads that include Road Rehabilitation

Note: Aerial photography acquired in spring, 2014



NOT TO SCALE