

**EXTRACT FROM COUNCIL MEETING MINUTES OF MAY 17, 2016**

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**The Committee of the Whole recommends approval of the recommendation contained in the following report of the Deputy City Manager of Public Works and the Director of Infrastructure Delivery, dated May 3, 2016:**

The Deputy City Manager of Public Works and the Director of Infrastructure Delivery, in consultation with the Director of Procurement Services and the Director of Financial Planning and Development Finance & Deputy City Treasurer, recommend:

- ## Contribution to Sustainability

The rehabilitation of the existing roads by utilizing existing on site construction materials are consistent with Green Direction 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.

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#### **Economic Impact**

The total project cost of \$3,666,786.93 falls within the approved budget amount in Capital Project CD-1920-15, 2015 Road Rehabilitation and Watermain Replacement – Phase 3. 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 newsletter to the affected residents prior to the commencement of the construction activities.

#### **Purpose**

Council approval to award Tender T16-053, Andrew Park, Button Road, Marilyn Place and North Humber Road – Road Rehabilitation and Watermain Replacement.

#### **Background – Analysis and Options**

**The scope of work identified in this tender was approved in the 2015 Road Rehabilitation and Watermain Replacement Program Capital Budget Deliberations**

The Road Rehabilitation and Watermain Replacement Program identify roads within the City that will require resurfacing/rehabilitation and watermain replacement. A geotechnical investigation was undertaken on the identified roads to evaluate the condition of the existing pavements and to determine the most cost effective rehabilitation strategy for each road.

The scope of work under this tender includes the replacement of concrete curbs, concrete sidewalks where necessary and subdrain installation in addition to the rehabilitation of the existing pavements as part of the approved Capital Project CD-1920-15. The existing ductile iron watermain on these streets which require excessive maintenance and repairs is also being replaced in conjunction with the roadworks. (See Attachments No.1 for project location).

Capital project CD-1920-15 identified seven streets for watermain replacement and road rehabilitation. The detailed design was completed after the approval of the construction budget. Upon completion of detailed design, it was determined that additional funds will be required to complete the watermain replacement and road rehabilitation on Crofters Road (partial), Kirkhill Place and Rossmull Crescent. The three streets were reprogrammed during 2016 budget process as part of capital project CD-2016-15, 2016 Watermain Replacement and CD-2015-15 2016 Road Rehabilitation, and are being recommended for award under Tender T16-073.

**On March 7, 2016, bids were received for T16-053, Andrew Park, Button Road, Marilyn Place and North Humber Road – Road Rehabilitation and Watermain Replacement**

The tender was advertised in the Daily Commercial News, on the Ontario Public Buyers Association (OPBA), on Biddingo and on the City Webpage on February 24, 2016 and closed on March 7, 2016. A total of 22 sets of bid documents were downloaded and/or picked up from Procurement Services and the following 8 compliant bids were received:

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<u>Contractor</u>	<u>Total Bid Amount (excl. H.S.T.)</u>
Four Seasons Site Development Ltd.	*\$3,157,158.00
Direct Underground Inc.	*\$3,194,802.00
Il Duca Contracting Inc.	*\$3,480,350.90
Moretti Excavating Limited	\$3,536,734.16
Rafat General Contractor Inc.	*\$3,618,706.60
Bennington Construction Ltd.	*\$3,624,574.10
Dig-Con International	\$4,011,393.00
Sam Rabito Construction Ltd.	\$4,369,091.00

\* Corrected for arithmetic error

The total estimated cost for the construction of this project is \$3,666,786.93 and is calculated as follows:

<b>TABLE 1: ESTIMATED CONSTRUCTION COSTS</b>			
	<b>Watermain \$</b>	<b>Roads \$</b>	<b>Total \$</b>
Four Seasons Site Development Ltd. Bid Price (Excluding H.S.T.)	2,000,322.00	1,156,836.00	3,157,158.00
Contingency Allowance (Approx. 10%)	200,000.00	116,000.00	316,000.00
Geotechnical Allowance & Material Testing (Est.)	40,000.00	23,000.00	63,000.00
<b>Sub-Total</b>	<b>2,240,322.00</b>	<b>1,295,836.00</b>	<b>3,536,158.00</b>
H.S.T. (1.76%) Not Recoverable	39,429.67	22,806.71	62,236.38
<b>Total</b>	<b>2,279,751.67</b>	<b>1,318,642.71</b>	<b>3,598,394.38</b>
Administration Recovery (3%)	68,392.55	0.00	68,392.55
<b>Net Total Cost</b>	<b>2,348,144.22</b>	<b>1,318,642.71</b>	<b>3,666,786.93</b>

\* 3% administration recovery is not applied to the Roads portion as it is funded through grants

**ROUNDED \$3,667,000.00**

<b>TABLE 2: PROJECT FUNDING POSITION SUMMARY</b>			
	<b>CD-1920-15</b>		
	<b>Watermain \$</b>	<b>Roads \$</b>	<b>Total \$</b>
Approved Budget	2,518,900.00	1,350,200.00	3,869,100.00
Less: Expenses/Commitments to date	(41,836.47)	(24,195.07)	66,031.54)
<b>Current Funds Remaining</b>	<b>2,477,063.53</b>	<b>1,326,004.93</b>	<b>3,803,068.46</b>
Net Total Cost	(2,348,144.22)	(1,318,642.71)	(3,666,786.93)
<b>Balance Remaining</b>	<b>128,919.31</b>	<b>7,362.22</b>	<b>136,281.53</b>

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The project is considered to be moderate 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 approximately 10% has been identified as an appropriate amount to address any unforeseen work in completing the scope of this project. Any residual funds will be returned to the original funding source.

**Based on the review by staff, it is appropriate to award T16-053, Andrew Park, Button Road, Marilyn Place and North Humber Road – Road Rehabilitation and Watermain Replacement**

Engineering consultant undertaking the design for the work has reviewed the submitted bids and recommend that Four Seasons Site Development Ltd., who has completed similar projects for the City, is deemed qualified to undertake this project. Therefore, it is appropriate to award this tender to the lowest compliant bidder, Four Seasons Site Development Ltd.

**Relationship to Term of Council Service Excellence Strategy Map (2014-2018)**

In consideration of the priorities set within the Term of Council Service Excellence Strategy Map, the recommendations in this report support the priority to invest, renew and manage infrastructure assets.

**Regional Implications**

Not Applicable.

**Conclusion**

Staff recommends that this contract be awarded to Four Seasons Site Development Ltd. in the amount of \$3,157,158.00, plus applicable taxes.

**Attachment**

1. Location Map

**Report prepared by:**

Pat Marcantonio, Project Manager, ext. 8468  
Mohan Toor, Manager of Design and Construction (West), ext. 8144

(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.)