

EXTRACT FROM COUNCIL MEETING MINUTES OF JUNE 25, 2013

11 **AWARD OF TENDER T13-136 AND BUDGET AMENDMENT**
 DICK BRIDGE REHABILITATION
 WARD 1

- 1) That 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, be approved; and
- 2) That the deputation of Mr. Antony Niro, Laurentian Boulevard, Maple, be received.

1. That Tender T13-136, Dick Bridge Rehabilitation, be awarded to Carlington Construction Inc. in the amount of \$493,267.50, plus applicable taxes;
2. That the following project costs, plus applicable taxes, be approved:
 - a. A contingency allowance in the amount of \$75,000.00, plus applicable taxes, be approved 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 \$10,000.00, plus applicable taxes be approved, to ensure compliance with all applicable standards;
 - c. Additional funding in the amount of \$103,000.00 be transferred from Capital Project EN-1872-13 to cover the shortfall;
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 T13-136 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-1887-12, 1887-13 and 1872-13, including all contingency allowances, applicable taxes and administration recovery; and
5. That the Mayor and City Clerk be authorized to sign the appropriate documents.

The recommended alternative is consistent with Green Directions Vaughan Goal #3: To ensure that Vaughan is a City that is easy to get around with a low environmental impact, in particular Objective 3.1: To develop and sustain a network of sidewalks, paths and trails that supports all modes of non-vehicular transportation.

CITY OF VAUGHAN

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Economic Impact

Project EN-1887-12 has a remaining budget of \$503,587; an additional amount of \$102,512 is required in order to proceed with the required work. The additional funding is requested to be transferred from Project EN-1873-13; this project has been awarded and the allocation of funds will not affect the ability of the project to be completed. 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.

Purpose

Council approval to award Tender T13-136, Dick Bridge Rehabilitation and amend the capital budget.

Background - Analysis and Options

The work covered by this tender includes the rehabilitation of the Dick Bridge on Huntington Road approximately 300 metres north of Kirby Road in Ward 1, Capital Budget Project No. EN-1887-12. (See Attachment No. 1 for project location). All necessary permits and approvals have been obtained.

The tender was advertised in the Daily Commercial News, the Ontario Public Buyers Association (OPBA), Bidding on May 6, 2013 and City webpage on May 9, 2013, and closed on May 21, 2013. A total of 10 sets of bid documents were picked up from the Purchasing Services Department and the following 4 compliant bids were received:

<u>Contractor</u>	<u>Total Bid Amount (excl. H.S.T.)</u>
Carlington Construction Inc.	* \$493,267.50
Marbridge Construction Ltd.	\$561,245.00
Clearwater Structures Inc.	\$625,704.00
Jarlian Construction Inc.	\$736,213.50

* *Corrected for arithmetic error.*

The estimated cost for the construction of this project is \$ 607,000.00 and is calculated as follows:

Carlington Construction Inc. Bid Price (excluding H.S.T.)	\$493,267.50
Contingency Allowance (approx. 15%)	\$ 75,000.00
Geotechnical and Material Testing (estimated)	\$ 10,000.00
Sub-Total	\$578,267.50
H.S.T. (1.76%) Not Recoverable	\$ 10,177.51
Total	\$588,445.01
Administration (3%)	\$ 17,653.35
Net Total Cost	\$606,098.36

ROUNDED \$607,000.00

CITY OF VAUGHAN

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PROJECT FUNDING POSITION SUMMARY		
	EN-1887-12	EN-1872-13
Approved Budget	\$566,500.00	\$3,321,750.00
Less: Exp. & Commitments to Date	(\$ 62,913.49)	(\$ 2,748,720.87)
Current Funds Remaining	\$503,586.51	\$573,029.13
Less: Net Total Cost	\$606,098.36	
Amount Exceeding Capital Project Budget	(\$102,511.85)	
EN-1871-13 Balance Charged to EN-1887-13	\$102,511.85	(\$102,511.85)
Balance Remaining	\$0	\$470,517.28

In 2012, a condition assessment was undertaken on the bridge deck to identify the extent of deterioration and determine the most appropriate rehabilitation method. A preliminary budget estimate was developed based this on information. During the design phase, additional investigations were carried out identifying that more extensive rehabilitation of the bridge is required, which has resulted in the tender exceeding the preliminary budget amount.

The engineering estimate for the construction bid of this project was \$470,000.00, excluding H.S.T.

This project is of short duration, however, is considered to be high in complexity. It is difficult to accurately estimate the extent of work required to carry out the rehabilitation of a bridge. Estimates are derived from visual inspections and obtaining samples (coring) of the bridge to accurately try to determine the current structural condition. However, the extent of the work necessary to appropriately rehabilitate the bridge can only be determined once construction commences. Therefore, a contingency allowance of 15% has been identified as an appropriate amount to address any unforeseen work in completing the scope of this project.

Staff and the City's consultant, Planmac Inc., have reviewed the submitted bids. Carlington Construction Inc. has successfully completed similar projects and the project references checked were satisfactory. As a result, Carlington Construction Inc. is deemed qualified to undertake this project. It is appropriate to award this contract to the low bidder, Carlington Construction Inc.

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 structure conditions are maintained for the citizens of Vaughan.

Regional Implications

Not Applicable.

CITY OF VAUGHAN

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Conclusion

Staff recommends that this contract be awarded to Carlington Construction Inc., in the amount of \$493,267.50, plus applicable taxes.

Attachments

1. Location Map

Report prepared by:

Pat Marcantonio, C.E.T., Senior Engineering Assistant, ext. 8468

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 T13-136 AND BUDGET AMENDMENT DICK BRIDGE REHABILITATION WARD 1

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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5. That the Mayor and City Clerk be authorized to sign the appropriate documents.

Contribution to Sustainability

The rehabilitation of this structure 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 recommended alternative is consistent with Green Directions Vaughan Goal #3: To ensure that Vaughan is a City that is easy to get around with a low environmental impact, in particular Objective 3.1: To develop and sustain a network of sidewalks, paths and trails that supports all modes of non-vehicular transportation.

Economic Impact

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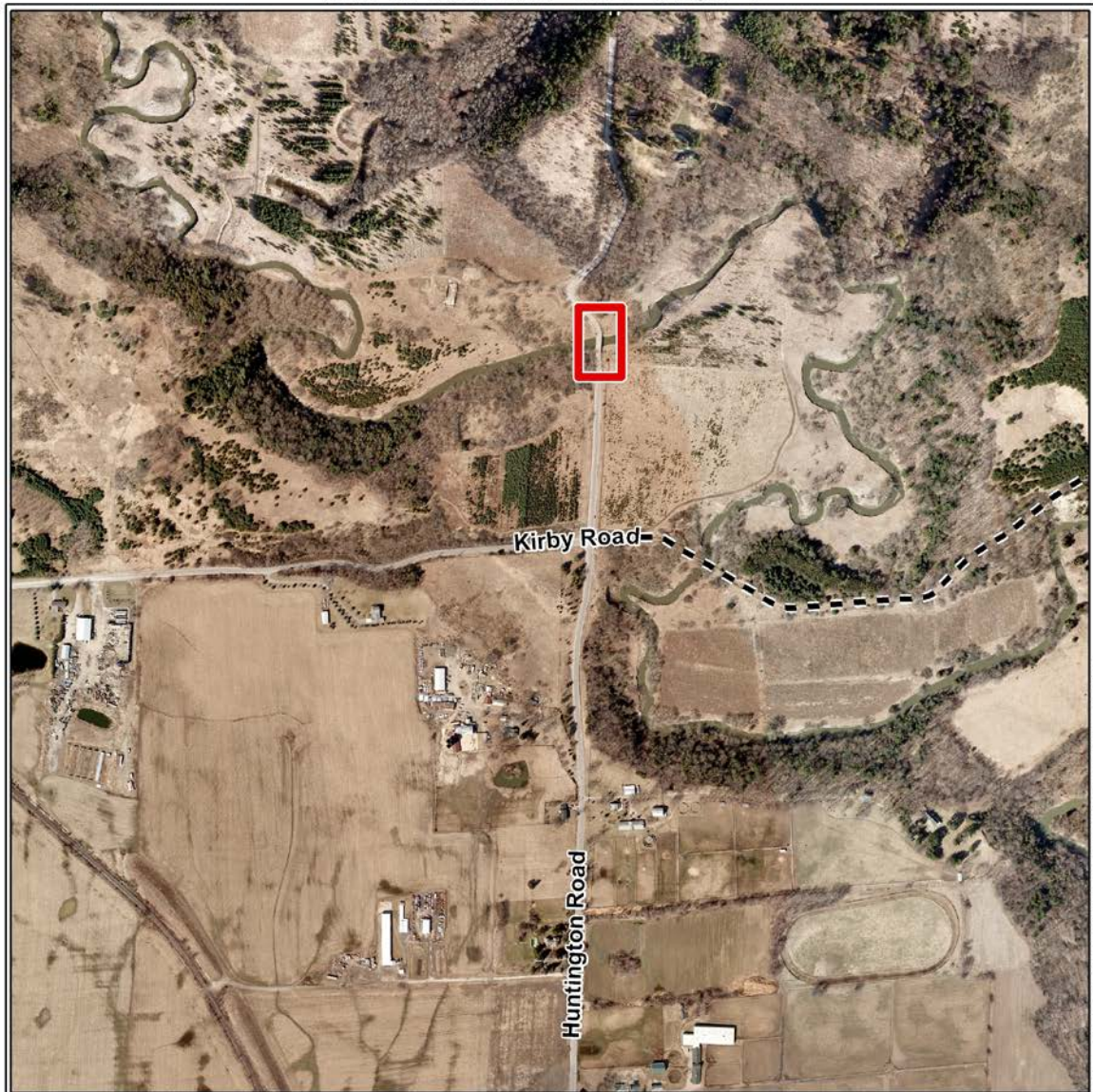
Respectfully submitted,

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

Jack Graziosi, P. Eng.
Director of Engineering Services

PM:mc

ATTACHMENT No. 1



DICK BRIDGE REHABILITATION T13-136

LEGEND



SUBJECT AREA



UNOPENED ROAD ALLOWANCE

Note: Aerial photography acquired in spring, 2011



NOT TO SCALE