

**CITY OF VAUGHAN**

**EXTRACT FROM COUNCIL MEETING MINUTES OF APRIL 21, 2015**

Item 10, Report No. 17, of the Committee of the Whole, which was adopted without amendment by the Council of the City of Vaughan on April 21, 2015.

**10      SELECTION OF ENGINEERING CONSULTANT FOR DESIGN AND CONSTRUCTION  
ADMINISTRATION SERVICES FOR THE WILLIS ROAD BRIDGE AND NORT JOHNSTON  
PEDESTRIAN BRIDGE REHABILITATION – RFP15-002  
WARD 2**

**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 April 14, 2015:**

**Recommendation**

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

1. That RFP15-002 to provide design and construction administration services for Part 'A' – Willis Road Bridge, and Part 'B' – Nort Johnston Pedestrian Bridge be awarded to Planmac Engineering Inc. in the amount of \$129,340.00 plus applicable taxes;
2. That a contingency allowance in the amount of \$10,500.00 for Part 'A' and \$8,700.00 for Part 'B', plus applicable taxes be approved within which the Commissioner of Public Works, or his designate is authorized to approve amendments to this contract;
3. That the amounts of the above recommendations, illustrated within this report, including all contingency allowances and applicable taxes be funded from Capital Projects EN-1993-14 (Part 'A') and EN-1994-14 (Part 'B'); 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 citizens. The proposed rehabilitation of these structures will maximize the return on the capital and operating investments.

**Economic Impact**

The total project cost of \$79,400.00 for Part 'A'. and \$71,800.00 for Part 'B', which includes a contingency allowance, administration recovery and applicable taxes, can be accommodated within Capital Budgets EN-1993-14 and EN-1994-14.

**Communication Plan**

Staff will advise the Mayor and Members of Council and will distribute a newsletter to the affected residents and businesses upon award of this assignment.

**Purpose**

To obtain approval to retain Planmac Engineering Inc. for design and construction administration services for Part 'A' –Willis Road Bridge and Part 'B' – Nort Johnston Pedestrian Bridge (RFP15-002).

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### EXTRACT FROM COUNCIL MEETING MINUTES OF APRIL 21, 2015

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

**Rehabilitation has been identified for the Willis Road Bridge and Nort Johnston Pedestrian Bridge.**

The Willis Road Bridge is located on Willis Road approximately 100 metres east of Islington Avenue over the Humber River. The structure is a three (3) span post tensioned concrete deck bridge that carries two lanes of vehicular traffic and has sidewalks on both sides.

The Nort Johnston Pedestrian Bridge is located on the north side of Highway 7 approximately 170 metres west of Islington Avenue over the Humber River. The structure is a parallel box beam concrete bridge that carries pedestrian traffic over three (3) continuous spans.

In May 2012, a bridge inspection was undertaken on both structures in compliance with the requirements of the Public Transportation and Highway Improvement Act, Ontario Regulation 104/97. The inspection was completed as per the Ontario Structure Inspection Manual. As a result of these inspections the Willis Road Bridge and the Nort Johnston Pedestrian Bridge were identified for rehabilitation.

Subsequently, a detailed deck condition survey was conducted on both structures in accordance with the Ministry of Transportation Structural Rehabilitation Manual. This survey makes observations and records surface defects of all the superstructure and substructure elements, and provides recommendations for the repair/rehabilitation and /or replacement of the existing bridge as required.

**On January 26, 2015, request for proposals were received for design and construction administration services.**

A Request for Proposal (RFP) for the Consulting Services for the design and contract administration for the rehabilitation of Part 'A' - Willis Road Bridge and Part 'B' - Nort Johnston Pedestrian Bridge was advertised on the City Page, Bidding and Ontario Public Buyers Association (OPBA) website on January 9, 2015. In response to the RFP, sixteen (16) packages were picked up from the Purchasing Services Department. Upon closing on January 26, 2015, ten (10) proposal submissions were received.

An evaluation meeting was held on February 6, 2015, with the Review Committee, comprising of representatives from the Capital Delivery and Asset Management Department and facilitated by Purchasing Services.

A standardized scoring and ranking system was used for this type of proposal, as follows:

- 20 points available for understanding of the assignment and familiarity with local conditions and project approach;
- 25 points available for work plan and project management;
- 35 points available for qualification of firm and of the staff assigned to the project
- 20 points available for proposed fee.

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

During the project planning stage of these two projects, it was determined that since the scope of work was similar, it would be more cost effective to combine the engineering design and also include the construction administration as part of this assignment. This allows staff to better manage resources, schedule, cost control, communication and ensure overall project delivery in an efficient manner. The total cost for professional engineering services for this project, including contingency allowance and applicable taxes and is calculated as follows:

.../3

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**EXTRACT FROM COUNCIL MEETING MINUTES OF APRIL 21, 2015**

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<b>TABLE 1: ESTIMATED CONSTRUCTION COSTS</b>			
	<b>PART 'A' (EN-1993-14)</b>	<b>PART 'B' (EN-1994-14)</b>	<b>TOTAL</b>
Planmac Engineering Inc.	\$67,515.00	\$61,825.00	\$129,340.00
Contingency Allowance (approximately 15%)	\$10,500.00	\$ 8,700.00	\$ 19,200.00
Sub-Total	\$78,015.00	\$70,525.00	\$148,540.00
H.S.T. (1.76%) (not recoverable)	\$ 1,373.06	\$ 1,241.24	\$ 2,614.30
Total	\$79,388.06	\$71,766.24	\$151,154.30
Administration Recovery (3%) – Note 1	N/A	N/A	N/A
<b>Net Total Cost</b>	\$79,388.06	\$71,766.24	\$151,154.30

**ROUNDED**

**\$79,400.00**

**\$71,800.00**

**\$151,200.00**

Note 1: 3% Administration recovery is not charged as the projects are funded through grants.

<b>TABLE 2: PROJECT FUNDING POSITION SUMMARY</b>			
<b>CAPITAL PROJECT</b>	<b>EN-1993-14</b>	<b>EN-1994-14</b>	<b>TOTAL</b>
Approved Budget	\$165,000.00	\$72,600.00	\$237,600.00
Less: Exp. & Commitments to Date	-	(\$763.20)	(\$763.20)
Current Funds Remaining	\$165,000.00	\$71,836.80	\$236,836.80
Less: Net Total Cost	\$ 79,388.06	\$71,766.24	\$151,154.30
<b>Balance Remaining</b>	<b>\$ 85,611.94</b>	<b>\$ 70.56</b>	<b>\$ 85,682.50</b>

The project is considered to be moderate in complexity with a mostly defined scope with some uncertainties. In accordance with the Contingency Matrix (identified in Appendix 1 of the Capital Project Financial Administration and Reporting Policy), a contingency allowance of approximately 15% has been identified for Part 'A' and Part 'B' as an appropriate amount to address any unforeseen work in completing the scope of this project. All remaining funds for this assignment of the project will be applied to the construction phase of the project.

Planmac Engineering Inc. has completed similar projects in the past of similar scope and is deemed qualified to undertake this assignment.

**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 enhancing and maintaining community safety, health and wellness, by ensuring that appropriate levels of service are maintained for the local residents.

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**Regional Implications**

The scope of work included in this assignment includes the rehabilitation of the Nort Johnston Pedestrian Bridge on Highway 7. The right-of-way is owned by the Regional Municipality of York. As a result, the Regional Municipality of York will be notified of this project and will be included in the communication plan.

**Conclusion**

Staff recommends that this assignment be awarded to Planmac Engineering Inc. in the amount of \$129,340.00, plus applicable taxes. Sufficient funding is available within capital projects EN-1993-14 and EN-1994-14 to complete this assignment.

**Attachments**

1. Part 'A' – Location Map
2. Part 'B' – Location Map

**Report prepared by:**

Pat Marcantonio, C.E.T., Project Manager, ext. 8468

(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 – APRIL 14, 2015**

### **SELECTION OF ENGINEERING CONSULTANT FOR DESIGN AND CONSTRUCTION ADMINISTRATION SERVICES FOR THE WILLIS ROAD BRIDGE AND NORT JOHNSTON PEDESTRIAN BRIDGE REHABILITATION – RFP15-002 WARD 2**

#### **Recommendation**

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

1. That RFP15-002 to provide design and construction administration services for Part 'A' – Willis Road Bridge, and Part 'B' – Nort Johnston Pedestrian Bridge be awarded to Planmac Engineering Inc. in the amount of \$129,340.00 plus applicable taxes;
2. That a contingency allowance in the amount of \$10,500.00 for Part 'A' and \$8,700.00 for Part 'B', plus applicable taxes be approved within which the Commissioner of Public Works, or his designate is authorized to approve amendments to this contract;
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#### **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 citizens. The proposed rehabilitation of these structures will maximize the return on the capital and operating investments.

#### **Economic Impact**

The total project cost of \$79,400.00 for Part 'A'. and \$71,800.00 for Part 'B', which includes a contingency allowance, administration recovery and applicable taxes, can be accommodated within Capital Budgets EN-1993-14 and EN-1994-14.

#### **Communication Plan**

Staff will advise the Mayor and Members of Council and will distribute a newsletter to the affected residents and businesses upon award of this assignment.

#### **Purpose**

To obtain approval to retain Planmac Engineering Inc. for design and construction administration services for Part 'A' –Willis Road Bridge and Part 'B' – Nort Johnston Pedestrian Bridge (RFP15-002).

## **Background – Analysis and Options**

### **Rehabilitation has been identified for the Willis Road Bridge and Nort Johnston Pedestrian Bridge.**

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### **Report prepared by:**

Pat Marcantonio, C.E.T., Project Manager, ext. 8468

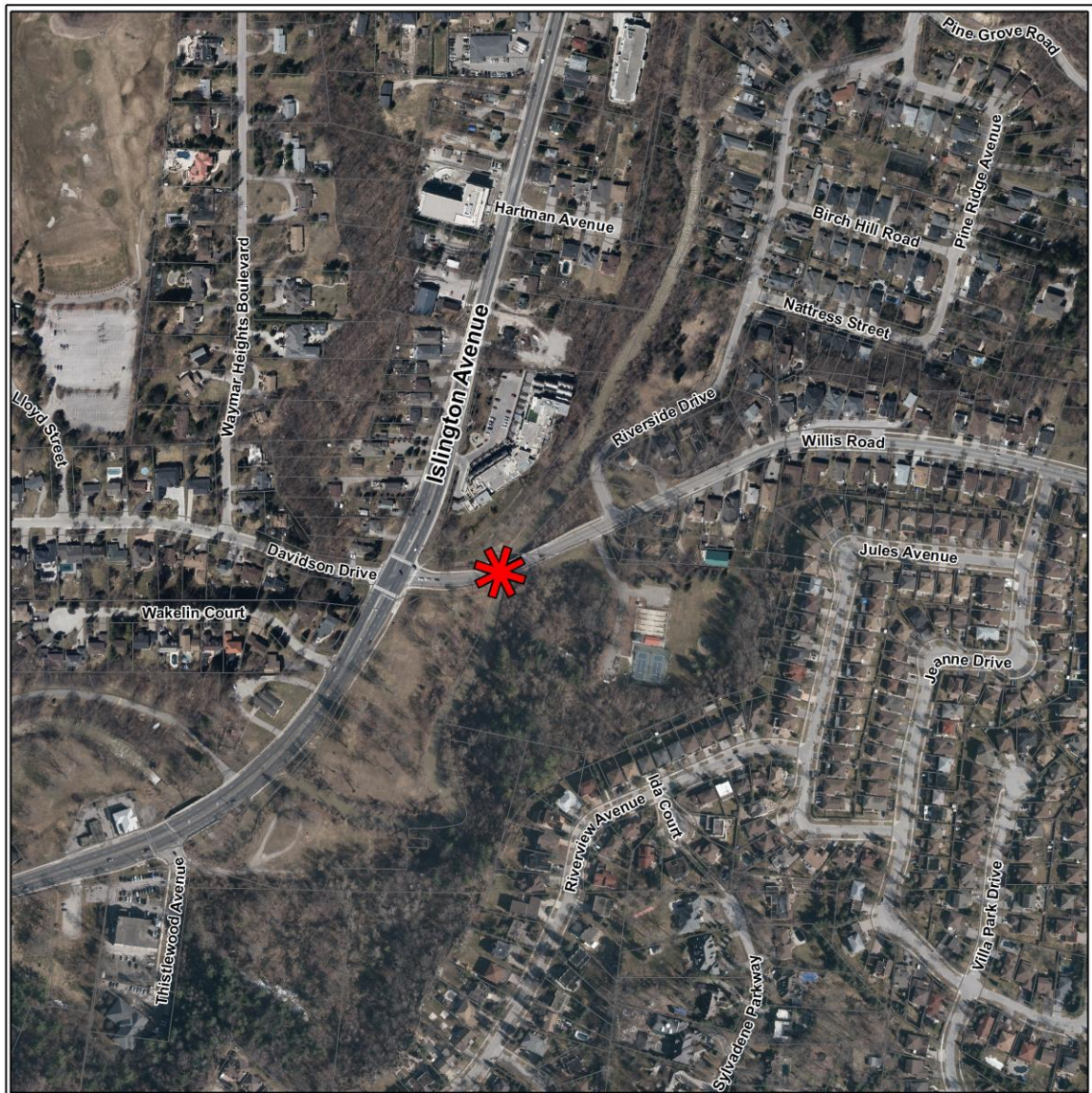
Respectfully submitted,

Paul Jankowski  
Commissioner of Public Works

Jack Graziosi  
Director of Capital Delivery and Asset Management

PM:mm

# ATTACHMENT NO.1



## PART 'A' WILLIS ROAD BRIDGE RFP15-002

### LEGEND



Note: Aerial photography acquired in spring, 2014



NOT TO SCALE

## ATTACHMENT NO.2



### PART 'B' NORT JOHNSTON PEDESTRIAN BRIDGE RFP15-002

#### LEGEND



SUBJECT BRIDGE

Note: Aerial photography acquired in spring, 2014



NOT TO SCALE