

CITY OF VAUGHAN

EXTRACT FROM COUNCIL MEETING MINUTES OF MARCH 21, 2017

Item 11, Report No. 10, of the Committee of the Whole, which was adopted without amendment by the Council of the City of Vaughan on March 21, 2017.

11

**AWARD OF RFP16-432
CONSULTANT SERVICES FOR ENGINEERING DESIGN & CONSTRUCTION
ADMINISTRATION SERVICES FOR PART A - HANLAN ROAD, GAUDAUR ROAD,
SCHOLLES ROAD AND PEARCE ROAD, WATERMAIN REPLACEMENT AND
ROAD REHABILITATION & PART B - MAJOR MACKENZIE DRIVE
WATERMAIN REPLACEMENT
WARDS 1 AND 3**

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 March 7, 2017:

Recommendation

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 & Development Finance and Deputy City Treasurer recommend:

1. That the contract to provide preliminary design, detail design and tender preparation services under RFP16-432, Consultant Services for Engineering Design & Construction Administration Services for Part A - Hanlan Road, Gaudaur Road, Scholes Road and Pearce Road, Watermain Replacement, and Road Rehabilitation and Part B - Major Mackenzie Drive Watermain Replacement be awarded to Chisholm, Fleming & Associates in the amount of \$260,038, plus applicable taxes;
2. That a contingency allowance in the amount of \$39,010, plus applicable taxes, be approved within which the Deputy City Manager of Public Works, or his designate is authorized to approve amendments to the contract;
3. That the amounts identified in the above recommendations, including all contingency allowances, applicable taxes and administration recovery, be funded from Capital Projects CD-2001-16, 2018 Road Rehabilitation/Reconstruction and CD-2002-16, 2018 Watermain Replacement; 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 existing roads and watermain replacement will maximize the return on the capital and operating investments and ensure that an acceptable level of service is maintained for the health and well-being of its citizens.

Economic Impact

The total cost of \$313,441 is available within approved Capital Projects CD-2001-16, 2018 Road Rehabilitation/Reconstruction and CD-2002-16, 2018 Watermain Replacement for Part A and Part B as illustrated below:

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Total Costs				
	Part A		Part B	Total
	CD-2001-16 Roads	CD-2002-16 Watermains	CD-2002-16 Watermains	
Chisholm, Fleming & Associates	\$	\$	\$	
Contract Value (Excl. HST)	76,124	76,124	107,791	260,038
15 % Contingency Allowance	11,420	11,420	16,170	39,010
Sub-Total	87,544	87,544	123,961	299,048
Add: Non-Recoverable HST (1.76%)	1,541	1,541	2,182	5,263
Sub-Total	89,084	89,084	126,143	304,311
Add: 3% Administration Recovery	2,673	2,673	3,784	9,129
Total Costs	91,757	91,757	129,927	313,441

Financial Position			
Capital Project	CD-2001-16	CD-2002-16	
Approved Budget	345,600	566,500	912,100
Less: Expenses/Commitments to Date	-	92,817	92,817
Available Budget	345,600	473,683	819,283
Less: Total Costs	91,757	91,757	129,927
Remaining Budget	253,843	251,999	505,842

As a result of the subsurface works proposed, the project is considered to be moderate to high 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 15% has been identified. The balance of funds will be applied to the remaining work required for the design and construction of other watermain and roads projects in planned as part of Capital Projects CD-2001-16 and CD-2002-16.

Communications Plan

Once the project is awarded, a newsletter identifying the project commencement and details will be distributed to the Mayor and Members of Council, and to the affected residents and businesses.

Purpose

The purpose of this report is to award services to undertake preliminary design, detailed design and tender preparations under RFP16-432, Consultant Services for Engineering Design & Construction Administration Services for Part A - Hanlan Road, Gaudaur Road, Scholes Road and Pearce Road, Watermain Replacement and Road Rehabilitation, & Part B - Major Mackenzie Drive Watermain Replacement to Chisholm, Fleming & Associates.

Background - Analysis and Options

Road rehabilitation and watermain replacement have been identified as required infrastructure improvements for Hanlan Road, Gaudaur Road, Scholes Road and Pearce Road, and Watermain Replacement on Major Mackenzie Drive from Keele Street to Jane Street

The scope of work for this assignment includes the preliminary engineering, detailed design and provision for contract administration/inspection for the rehabilitation of the roadways and

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watermain replacement for Hanlan Road, Gaudaur Road, Scholes Road and Pearce Road, and watermain replacement on Major Mackenzie Drive from Keele Street to Jane Street. Watermain replacement, along with water service upgrades, will be carried out at locations where metallic watermain pipe has been identified and will be replaced with PVC pipe.

During the project planning stage of these two projects, it was determined that it would be cost effective to combine the requirements for consulting services under one assignment since the scopes of work are similar. This will allow staff to manage resources, schedule, control costs, and communicate with greater effectiveness to ensure overall successful project delivery.

On December 14, 2016, proposals were received for RFP16-432

A Request for Proposal (RFP16-432) for the Consultant Services for Engineering Design & Construction Administration Services for Part A - Hanlan Road, Gaudaur Road, Scholes Road and Pearce Road, Watermain Replacement, and Road Rehabilitation and Part B - Major Mackenzie Drive Watermain Replacement was advertised on City of Vaughan Bidding Website-Vaughan Bids & Tenders, Biddingo and Ontario Public Buyers Association's Website on November 29, 2016 and closed on December 14, 2016. One addendum was issued in response to the questions received. A total of thirteen (13) plan takers registered for this RFP, and six (6) compliant proposals were received as per below:

Proponents

1. Ainley Group
2. GHD
3. Chisholm, Fleming & Associates
4. Accardi Schaeffers & Associates Limited
5. Candevcon Limited
6. The Municipal Infrastructure Group Limited.

An evaluation committee comprised of staff from Procurement Services and the Infrastructure Delivery Department carried out the evaluation process. The City's bid package provided details of the contract, including the following criteria to be used in the evaluation of the submissions:

Evaluation Criteria	Weight
Understanding of the assignment and familiarity with local conditions and project approach	20
Work Plan	10
Project Management	15
Qualification of firm and of the staff assigned to the project	35
Proposal Fee	20

Submissions from all compliant proponents were evaluated and scored based on the above criteria. Based on the evaluation committee's review, Chisholm, Fleming & Associates scored the highest and successfully fulfilled the requirements set forth in the RFP.

Staff recommends the award of contract for RFP16-432, Consultant Services for Engineering Design & Construction Administration Services for Part A and Part B to Chisholm, Fleming & Associates, for preliminary and detailed design.

RFP16-432 includes a provisional item for construction administration services that will be determined prior to tendering for construction

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The construction administration for these projects were included in RFP16-432 as a provisional item. In order to determine the fees associated with providing contract administration and inspection services, it is typical for engineering service providers to estimate the time required to undertake construction activities first, then apportion the staff time required to inspect the work and administer the contract. As a result, estimated fees for contract administration and inspection services are directly proportional to the time required to undertake and complete the construction. Staff have reviewed and assessed this in the overall project evaluation. Chisholm Fleming & Associates' fee for construction administration for Part A is estimated to be \$252,680 and \$155,800 for Part B, including disbursements.

Recommendations for the award of the provisional item to undertake construction administration for Part A and/or Part B of the proposal will be considered separately at the time of the tender award for construction.

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

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

Regional Implications

Proposed works will have an impact on Major Mackenzie Drive, Jane Street, Keele Street, and Pine Valley Drive that are within the jurisdiction of the Regional Municipality of York. The work proposed under Part A would also have an impact on Steeles Ave., which falls under the jurisdiction of the City of Toronto. Region of York and City of Toronto staff will be advised upon project commencement.

Staff will be co-ordinating the approvals including mitigation of traffic impacts resulting from the proposed work, with the respective jurisdictions.

Conclusion

Staff recommends that the contract for RFP16-432, Consultant Services for Engineering Design & Construction Administration Services for Part A - Hanlan Road, Gaudaur Road, Scholes Road and Pearce Road, Watermain Replacement, and Road Rehabilitation & Part B - Major Mackenzie Drive Watermain Replacement be awarded to Chisholm, Fleming & Associates, in the amount of \$260,038, plus applicable taxes to provide services for preliminary design, detailed design and tender preparations.

Attachments

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

Report prepared by:

Pat Marcantonio, Project Manager, ext. 8468
Frank Facchini, Project Manager, ext. 8986
Mohan Toor, Manager, Design and Construction (West), ext. 8144
Paolo Masaro, Manager of Design and Construction (East), 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.)

AWARD OF RFP16-432

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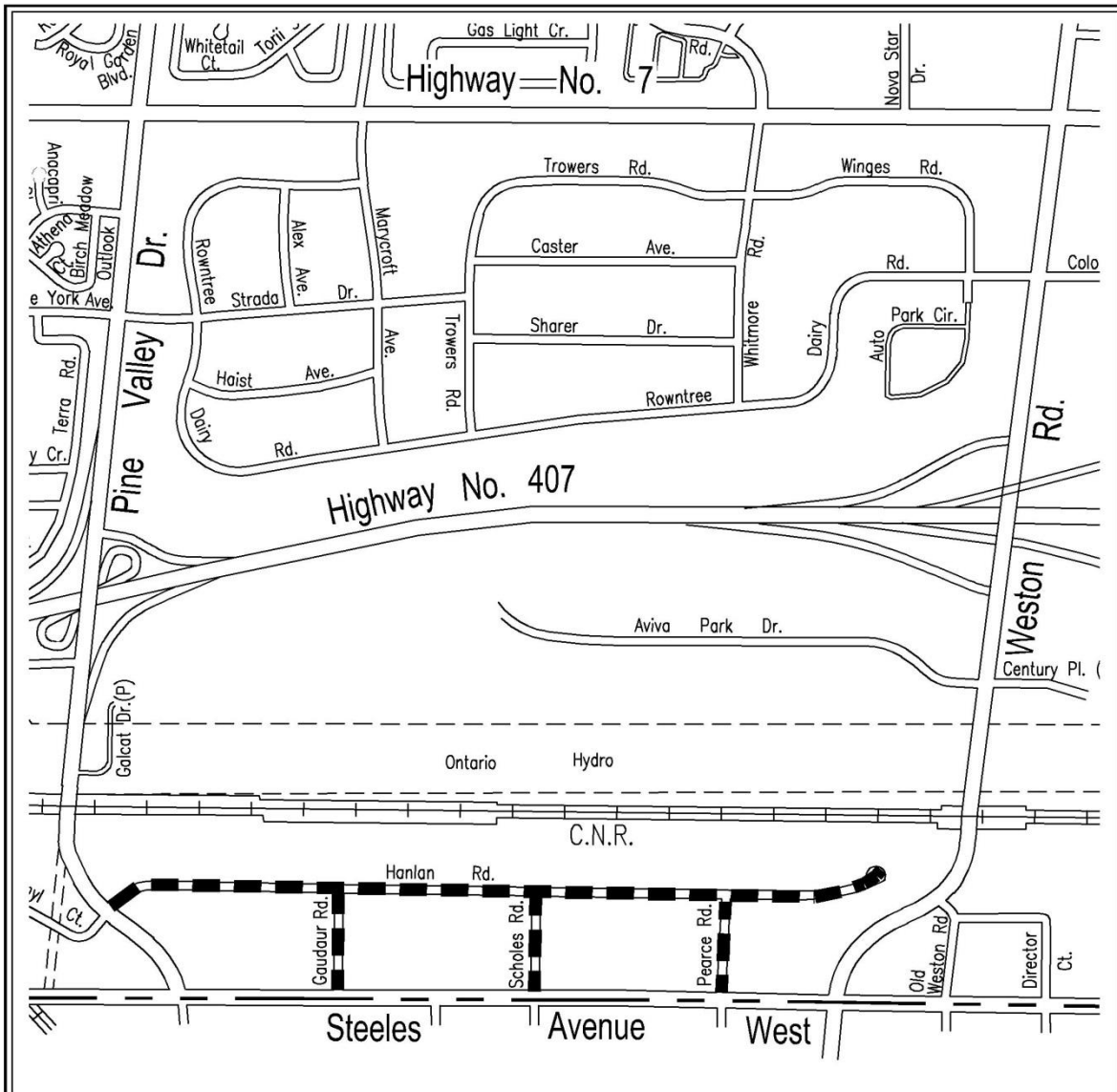
Respectfully submitted,

Stephen Collins, P. Eng.
Deputy City Manager, Public Works

Jack Graziosi
Director of Infrastructure Delivery

PM/FF/mm

ATTACHMENT No. 1



LOCATION MAP PART A ROAD REHABILITATION AND WATERMAIN REPLACEMENT RFP 16-432 BLOCK 36

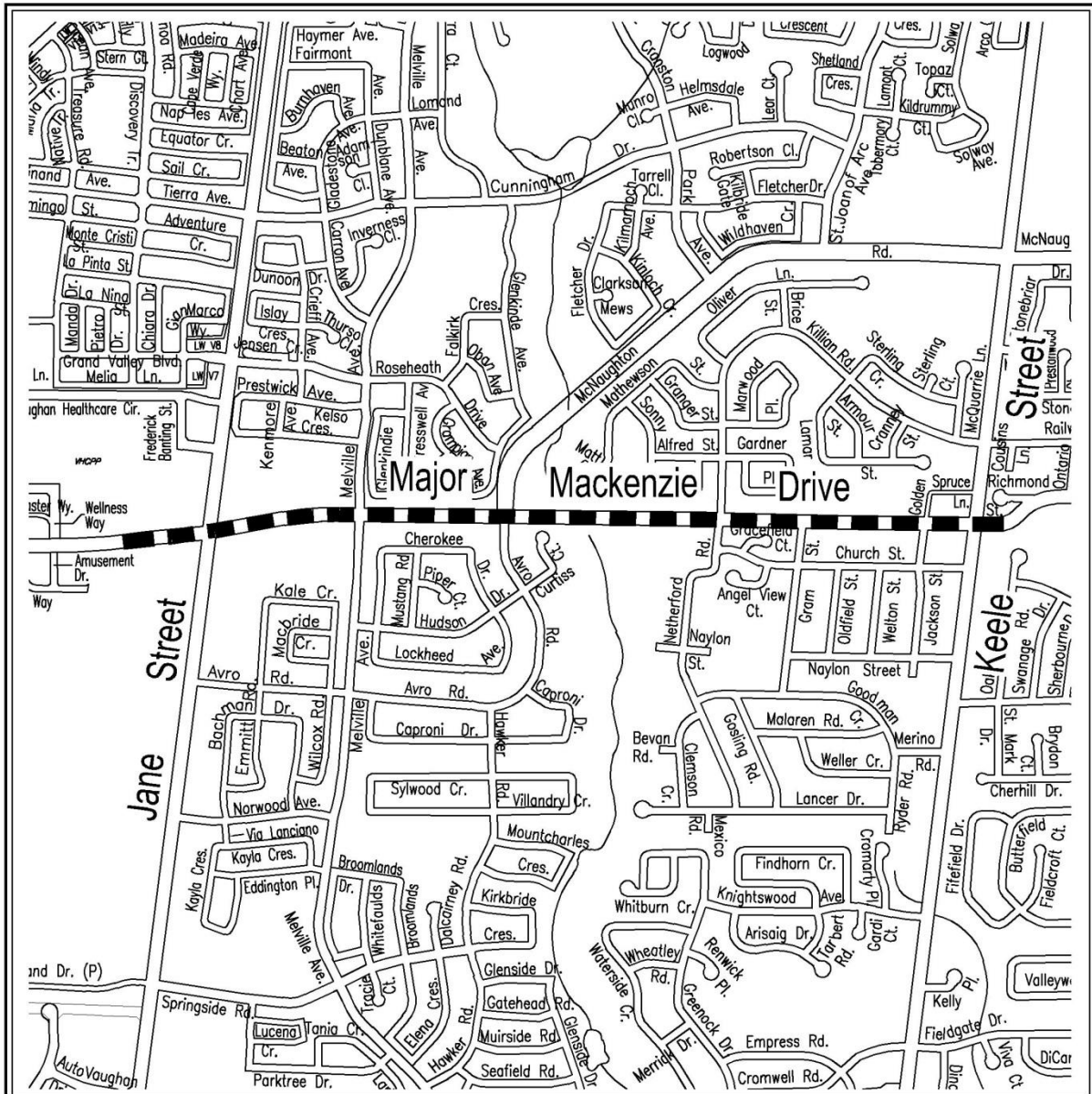
LEGEND

— — — — — SUBJECT ROADS



NOT TO SCALE

ATTACHMENT No. 2



LOCATION MAP

PART B

MAJOR MACKENZIE DRIVE WATERMAIN REPLACEMENT

RFP 16-432

BLOCKS 25 & 26

LEGEND

■ ■ ■ SUBJECT ROAD



NOT TO SCALE