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NASHVILLE ROAD WATERMAIN CONSULTANT SELECTION FOR DETAILED DESIGN, CONTRACT ADMINISTRATION AND SITE INSPECTION SERVICES, PROJECT 72520

The Environmental Services Committee recommends the adoption of the recommendations contained in the following report dated March 23, 2012, from the Commissioner of Environmental Services.

1. RECOMMENDATIONS

It is recommended that:

1. The Municipal Infrastructure Group be engaged to undertake detailed design, contract administration and site inspection services for the Nashville Road watermain project as outlined in this report, at an upset limit fee of \$649,795.00 excluding taxes. The fee includes contract administration and site inspection services, based on an estimated 275 days of construction duration.
2. The Commissioner of Environmental Services be authorized to adjust the contract administration and site inspection fees using the competitive unit price of \$4,147.50 per week, excluding taxes, to match actual construction duration within the total project budget authority.

2. PURPOSE

This report seeks Council authorization to retain engineering consulting services related to detailed design, contract administration and site inspection services for installation of 2.7 km of 600mm diameter watermain along Nashville Road from Whisper Lane to Highway 27 and northerly along Highway 27 to the Kleinburg Elevated Tank. A location plan is appended to this report (*see Attachment 1*).

The Region's Purchasing By-law requires Council authorization to award Request for Proposals over \$500,000. In this case, the recommended proponent's bid is over \$500,000.

3. BACKGROUND

Capacity increase identified in the Long Term Water Master Plan Update and Kleinburg-Nashville Master Servicing Study – City of Vaughan

Need for the Nashville Road watermain was identified in the 2009 Long Term Water Master Plan Update and the Kleinburg-Nashville Master Servicing Study – City of Vaughan (July 2011). The proposed Nashville Road watermain is intended to supply Lake Ontario water to the Village of Kleinburg. This project was deemed a Strategic Water Project to accommodate approved growth in the service area as outlined in the 2009 Long Term Water Master Plan Update.

Currently, a 750mm watermain is being installed on Huntington Road to feed the Village of Kleinburg with Lake Ontario water as part of a separate project. Installation of a 600mm watermain along Nashville Road to the existing elevated tank on Highway 27 is also required to strengthen the water transmission system and satisfy capacity needs.

4. ANALYSIS AND OPTIONS

Eleven engineering consulting firms responded to the Request for Proposal

In accordance with the Region's Purchasing By-law, engineering firms were invited to submit proposals for the assignment. The following eleven firms submitted proposals for this assignment:

- The Municipal Infrastructure Group Ltd.
- Chisholm Fleming and Associates
- Schaeffers & Associates Ltd.
- Conestoga-Rovers & Associates Ltd.
- GHD Inc.
- Cole Engineering Group Ltd.
- Stantec Consulting Ltd.
- AECOM Canada Ltd.
- MMM Group Ltd.
- Exp Services Inc.
- Condeland Engineering Ltd.

The request for proposal detailed the scope of work requiring the following services:

- Project management, planning and control
- Detailed design and tendering
- Acquisition of approvals
- Construction contract administration
- Construction site inspection
- Quality assurance and quality control

Proposals evaluated using the two-envelope system

Proposals were evaluated using the two-envelope system with technical and financial information submitted in two separate envelopes. Technical proposals were evaluated prior to any knowledge of financial information. Content of technical proposals were weighted at 80%.

The Region's proposal evaluation team reviewed the technical/management proposals based on the following criteria as listed in the Request for Proposal:

- Corporate experience related to watermain installations for 600mm diameter pipe or greater
- Project manager and proposed key staff experience for similar projects
- Proposed technical support staff experience for similar projects
- Project understanding and ability to deliver the project
- Sub-consultants' experience
- Project management, implementation and allocated resources
- References

The financial evaluation composed the remaining 20% of the total evaluation. To be considered for award, proponents must achieve a minimum technical score of 60% (48 points) out of the potential 80 points allocated to technical merit. Chisholm Fleming and Associates, Schaeffers & Associates Ltd. and GHD Inc. did not have their financial envelopes opened as they did not achieve the minimum score of 48 points on their technical proposal. The financial envelope for Condeland Engineering Ltd. was not opened since their proposal was deemed non-compliant. Technical and financial results for each proponent are summarized in Table 1.

Table 1
Consultant Proposal Evaluation Summary

Consultant	Technical Score (Out of 80)	Total Fee (\$) (Excluding taxes)	Financial Score (Out of 20)	Total Score (out of 100)	Cost per Technical Point (\$)
The Municipal Infrastructure Group Ltd.	58.5	649,795.00	20	78.5	11,107.61
MMM Group Ltd	60.0	945,258.00	13.7	73.7	15,754.30
Cole Engineering Group Ltd	55.5	809,352.00	16.1	71.6	N/A
Conestoga-Rovers & Associates Ltd	60.6	1,341,705.54	9.7	70.3	N/A
Exp Services Inc	51.1	719,883.13	18.1	69.2	N/A
AECOM Canada Ltd	49.3	830,449.50	15.6	64.9	N/A
Stantec Consulting Ltd	50.8	785,565.00	16.5	67.3	N/A
Schaeffers & Associates Ltd	43.7	N/A	N/A	N/A	N/A
Chisholm Fleming and Associates	42.9	N/A	N/A	N/A	N/A
GHD Inc.	39.2	N/A	N/A	N/A	N/A
Condeland Engineering Ltd	N/A	N/A	N/A	N/A	N/A

Evaluation of proposals revealed The Municipal Infrastructure Group Ltd. achieving highest total score and lowest price per technical score

The firm with the highest total score is The Municipal Infrastructure Group Ltd. Given that the total score achieved by one other firm was within five (5) points of the highest total score, a “dollar cost methodology” calculation was completed, as required by the Purchasing By-law. Results of this calculation, as shown in Table 1, determined that the proposal submitted by The Municipal Infrastructure Group Ltd. represents the best overall value to the Region.

Supplies and Services Branch has reviewed the evaluation summary and has issued their internal report confirming that The Municipal Infrastructure Group Ltd. be recommended as the successful overall proponent to undertake the engineering consulting services related to contract administration and site inspection service for the Nashville Road watermain project.

Link to Key Council-approved Plans

The Nashville Road watermain has direct links to the Regional 2011 to 2015 Strategic Plan. More specifically, the Strategic Priority Area focussing on continued delivery and sustainability of critical infrastructure stipulates a key objective for continuing to prioritize new capital infrastructure projects to support managed growth and optimize community benefit. This project is part of the updated 10 year capital delivery prioritization plan.

5. FINANCIAL IMPLICATIONS

The fee for the proposed work is \$649,795.00 excluding taxes. The 2012 10-Year Capital Program includes total project budget authority of \$6.9 million for this project.

The consulting fee includes construction contract administration and site inspection services for an estimated duration of 275 days. The proposal includes unit prices for contract administration and site inspection, in this case \$4,147.50 per week, which staff deem acceptable for this type of project.

Should the actual duration of construction increase, as specified in the tender documents and responded to by the construction contract or subject to site conditions, contractors methods and sequencing of construction, it is recommended that the Commissioner of Environmental Services be authorized to adjust the fee accordingly by the amount of \$4,147.50 per week excluding taxes.

6. LOCAL MUNICIPAL IMPACT

Implementation of the Nashville Road watermain will increase water supply to and minimize watering restrictions in the community of Kleinburg-Nashville. The new watermain will also strengthen the existing transmission system and will address growth needs for the Village of Kleinburg as outlined in the Long Term Master Plan Update (2009) and the Kleinburg-Nashville Master Servicing Study – City of Vaughan (July 2011).

Throughout the course of the assignment and construction, Regional staff will work closely and cooperatively with the City of Vaughan and residents of Kleinburg-Nashville to ensure a successful project.

7. CONCLUSION

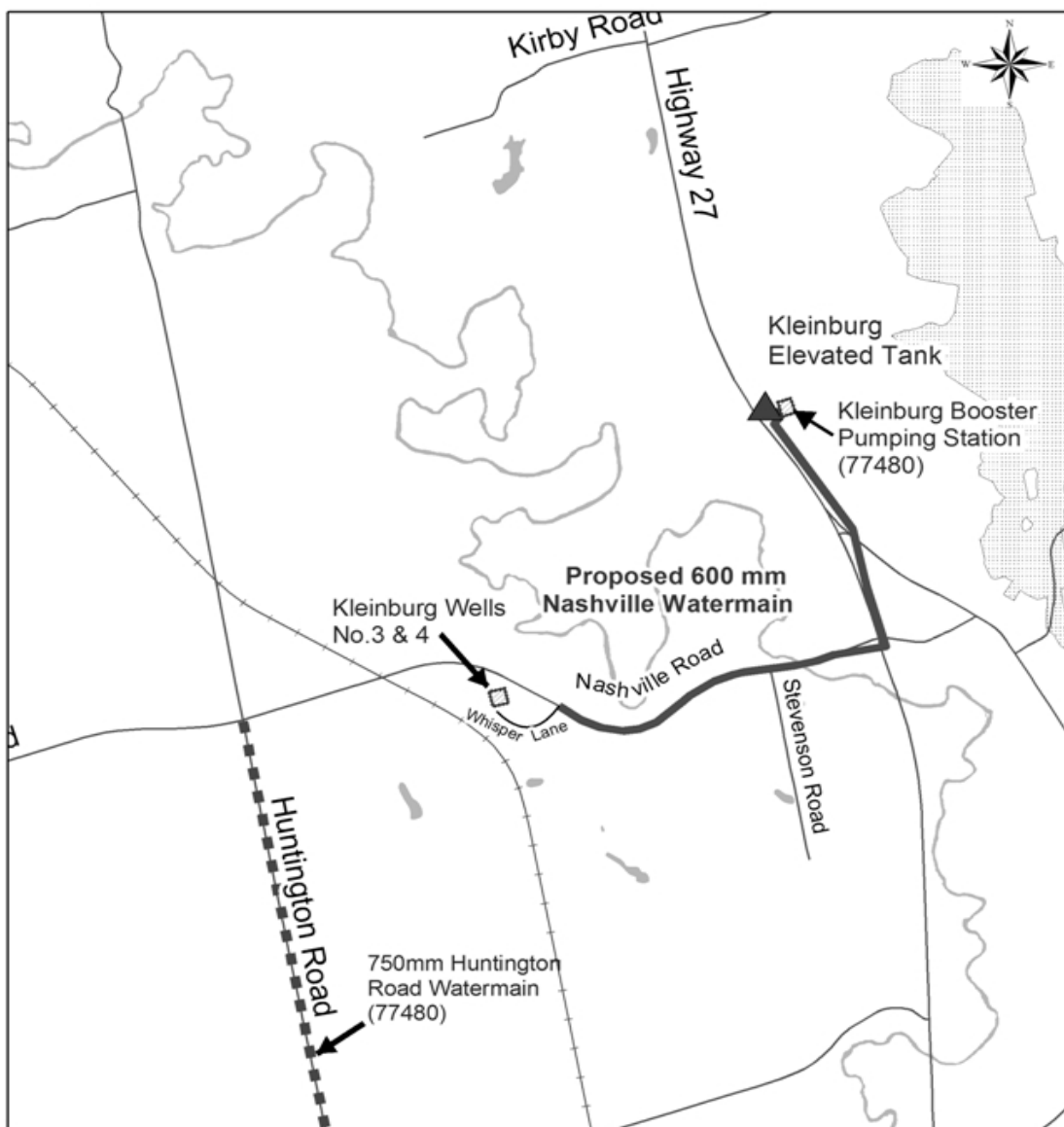
Implementation of the Nashville Road watermain will strengthen the transmission system within the Village of Kleinburg and accommodate planned growth requirements.

Eleven (11) proposals from engineering consultants were received and evaluated for this project in accordance with the Region's Purchasing By-law. The proposal from the Municipal Infrastructure Group Ltd. represents the best overall value to the Region and it is recommended that Municipal Infrastructure Group Ltd. be engaged to undertake the detailed design, contract administration and site inspection for the Nashville Road watermain project for a fee of \$649,795.00 excluding taxes.

For more information on this report, please contact Daniel Kostopoulos, Director, Capital Planning and Delivery, Environmental Services at extension 5070.

The Senior Management Group has reviewed this report.

(The attachment referred to in this clause is attached to this report.)



LOCATION PLAN

**PD6 Nashville Road Watermain
Consultant Selection for Detailed Design,
Contract Administration and Site
Inspection Services, Project 72520**



ENVIRONMENTAL SERVICES