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CONSULTANT SELECTION FOR ENGINEERING SERVICES PD7 NORTH MAPLE RESERVOIR CONNECTION UPGRADE CITY OF VAUGHAN, PROJECT 77520 (RFP NO. P-06-05)

The Transportation and Works Committee recommends the adoption of the recommendations contained in the following report, May 31, 2006, from the Commissioner of Transportation and Works:

1. RECOMMENDATIONS

It is recommended that:

1. The consulting engineering firm of MacViro Consultants Inc. be engaged to undertake the detailed design and contract administration for the PD7 North Maple Reservoir Connection Upgrade in the City of Vaughan as outlined in this report at an upset limit cost of \$195,222 excluding GST.
2. The Regional Chair and Regional Clerk be authorized to sign an engineering agreement with MacViro Consultants Inc. subject to review by Legal Services.

2. PURPOSE

This report seeks authorization to retain consulting engineering services related to the following items of work in the City of Vaughan:

- Completion of detailed design of the North Maple Reservoir Connection Upgrade.
- Tender document preparation and contract administration for the above work.

The purchasing by-law requires Council authorization in situations where the proposal attaining the highest total score does not have the lowest cost.

3. BACKGROUND

The Long Term Master Plan (2004) has identified the requirement for a connection upgrade at the North Maple Reservoir in the City of Vaughan to accommodate flows (see *Attachment 1*). In 1999, a 900 mm diameter watermain was constructed along Keele Street to the reservoir. The existing 400 mm connection in and out of the reservoir was unchanged, thus creating a significant restriction to the reservoir function. As such, the Region is seeking to retain consulting services to undertake detailed design and construction contract administration for the connection upgrade.

The scope of the assignment includes:

- Detailed design and construction contract administration for the connection upgrade including new inlets/outlets to the east and west reservoir cell to the existing 900 mm diameter watermain.
- New cross connections between the reservoir cells to ensure proper circulation of the water. This construction involves short 900 mm connections to the exiting 900 mm watermain. The work will also include an analysis to determine the hydraulic requirements for the reservoir based on the Long Term Master Plan hydraulic model for the Region.
- Redesign of the existing reservoir sumps and a portion of the existing inlet/outlet pipes to accommodate future flows and new valve house to house the enlarged sumps.

4. ANALYSIS AND OPTIONS

A competitive process, in accordance with the York Region purchasing by-law, has been followed to obtain proposals for this work. Advertisements for a Request for Proposal (RFP) P-06-05 were issued on April 13, 2006. The RFP closed on May 2, 2006 and responses were received from:

- Simcoe Engineering Group Limited.
- Macviro Consultants Inc.
- SRM Associates.

The proposals were evaluated using the two-envelope system, with technical and financial information kept in separate envelopes. The technical proposal was judged prior to any knowledge of financial bids. Evaluation was based on an overall score of 100 points, with 80 points assigned for technical and 20 points for financial. Proposals were required to achieve a minimum technical score of 48 out of 80 to be eligible for consideration. The best proposal was deemed to be the one with the highest total score.

The technical evaluation was based on the following criteria:

- Responsiveness and completeness of submission.
- Experience and qualifications of the project team.
- Management qualifications and experience.
- Project implementation (including approach, methodology, schedule, etc.).

Two proposals met the minimum technical score requirement and their financial proposals were opened after the technical evaluation was complete. A summary of the evaluation of the consultants' proposals is presented in Table 1 and includes the technical score, the upset limit fee (excluding GST), the corresponding financial score, and the total score for each proponent.

Table 1
Consultant Proposal Evaluation Summary (P-06-05)

Firm	Technical Score (Out of 80)	Upset Fee (No GST) \$	Financial Score (Out of 20)	Total Score (Out of 100)
MacViro Consultants	58.0	195,222	19.7	77.7
SRM Associates	57.5	192,450	20.0	77.5

MacViro's proposal provided a better approach to project implementation, which resulted in a slightly higher technical score.

5. FINANCIAL IMPLICATIONS

The upset limit for the consultant to perform the scope of work as per RFP P-06-05 is \$195,222 excluding GST. Funding will be 100% from the Water and Wastewater rate reserves. The capital project number supporting this work is 77520. There are sufficient funds in the approved 2006 Capital Project Budget for all works anticipated to be completed in 2006.

The fees for contract administration and site supervision were based on 100 working days. If the actual contract duration exceeds the estimate, the fees for contract administration and site supervision will be adjusted based on the weekly fee provided in the proposal.

6. LOCAL MUNICIPAL IMPACT

The proposed upgrade to the North Maple Reservoir will ensure the Reservoir is hydraulically compatible with the new Maple Pumping Station and can meet future demand expected to be served from the Reservoir site.

7. CONCLUSION

Consultants' proposals for this project were called and evaluated in accordance with Regional policy. It is recommended that the consulting engineering firm MacViro Consultants Inc. be retained to undertake the assignment at an upset limit cost of \$195,222 excluding GST.

The Senior Management Group has reviewed this report.

(The attachment referred to in this clause was included in the agenda for the June 14, 2006 Committee meeting.)