

COMMITTEE OF THE WHOLE - JANUARY 16, 2006

CONTRACT AWARD - RFP05-110 PIPED INFRASTRUCTURE DATASET DIGITIZING/MAPPING AND DATA CAPTURE

Recommendation

The Commissioner of Engineering & Public Works and the Chief Information Officer, in consultation with the Director of Purchasing Services and the Director of Reserves and Investments, recommends:

1. That Contract RFP05-110 Piped Infrastructure Dataset Digitizing/Mapping And Data Capture be awarded to Cole Engineering Group Ltd. at an estimated contract value of \$267,953.20 (including applicable taxes), and;
2. That a contingency allowance in the amount of \$25,000.00 be approved within which the Commissioner of Engineering and Public Works or his designate is authorized to approve amendments to the contract; and
3. That the Mayor and Clerk be authorized to sign the necessary documents.

Economic Impact

The necessary resources have been allocated and approved. This is a Capital Project (1526-0-04, Water & Wastewater Management System) with a funding of \$383,674.00.

Purpose

To award the contract in response to RFP05-110 Piped Infrastructure Dataset Digitizing/Mapping and Data Capture.

Background - Analysis and Options

The Infrastructure Management Services section of the Engineering and Public Works Department is responsible for infrastructure records, data and data management and strategic analysis related to the City's civil infrastructure.

The purpose of this project is to compile, build, formalize, validate and deliver datasets representing a complete inventory of Piped Infrastructure consisting of the following systems:

- Water Distribution System;
- Sanitary Sewer Conveyance System;
- Storm Sewer Conveyance System and;
- Foundation Drain Collector Sewer Conveyance System.

The Engineering and Public Works Department will use these datasets in its various business needs and functions such as and not limited to:

- Data Maintenance;
- Infrastructure and Asset Management;
- Maintenance Management;
- Hydraulic, Capacity and Performance Modeling Analysis;
- Geometric Network and Route Event and Routing Analysis;
- Ad-hoc Query Operations and Reporting;
- Custom Engineering Mapping and Map Book Generation;

- Geographic Information Systems.

The project involves compiling the various sources of drawing records and digital information available to digitize/map spatial data and capture corresponding attribute data (characteristic information) for the previously noted systems and their respective appurtenances.

The proposal was developed by Engineering and Public Works Department in consultation with the Purchasing Services and Information & Technology Management to ensure that corporate policies and standards are met.

A Request for Proposal (RFP05-110) was issued on May 16, 2004 and was advertised on the ETN (BidNavigator), Daily Commercial News and Ontario Public Buyers Association website. At the closing date of June 7, 2005, a total of 17 RFP Documents were issued with 5 proposals received from the following firms:

- Conestoga Rovers & Associates Ltd., Mississauga, Ontario;
- Cole Engineering Group Ltd., Markham, Ontario;
- Marmak Information Technologies Inc., Brampton, Ontario;
- Cuesta Systems Inc., Burlington, Ontario;
- QSP Geographics Inc., Downsview, Ontario

An evaluation meeting was held with the review committee comprised of Staff from Engineering Services and Development / Transportation with Staff from Purchasing Services and Public Works providing advice. The 5 proposals were evaluated based on company experience, project manager and project team experience, understanding of project requirements and allocation of resources and pricing. The evaluation committee by consensus, ranked the 5 proposals and short listed the 2 highest ranked proposals.

Pursuant to the RFP requirements, the proposals from Conestoga Rovers & Associates Ltd. and Cole Engineering Group Ltd. were short listed and further reviewed through a Pilot Project Stage of evaluation. This phase of the overall proposal evaluation process requires the short listed proponents to undertake the entire project scope of works for a specific delineated area within the City. The proponents were further evaluated based on quality of project management, completeness, quantity and quality of data and project deliverables, quality of a problem resolution system developed and its effectiveness, and the effectiveness and the quality assurance/quality control system developed.

Upon completing the Pilot Project Stage, a subsequent evaluation meeting was held with the review committee. The short listed proponents final ranking is as follows:

1. Cole Engineering Group Ltd., Markham, Ontario;
2. Conestoga Rovers & Associates Ltd., Mississauga, Ontario;

The proposal from Cole Engineering Group Ltd. has the highest evaluation. The evaluation scoring reflects the consultant's ability to address the requirements and objectives of the RFP's Terms and Conditions.

The necessary financial provisions in the Engineering and Public Works Department's budget have been previously established and approved by Council. Those previously approved projects of similar scope have been consolidated into Capital Project Number 1526-0-04, Water & Wastewater Management System and there is sufficient funding available.

Relationship to Vaughan Vision 2007

This report is consistent with the priorities previously set by Council and the necessary resources have been allocated and approved.

Service Delivery Excellence

The datasets developed through this project play a direct role in achieving our Corporate Objectives (Priority A), develop and implement an Infrastructure Management System to enhance safety through proactive repair and replacement and improve financial efficiency and return on investment through life cycle costing.

Technology and Innovation

The proposal meets the requirements for Technology and Innovation based on conformance with the policies, standards and procedures as defined through the Corporate G.I.S. Initiative.

Conclusion

Requests for Proposal RFP05-110 Piped Infrastructure Dataset Digitizing/Mapping and Data Capture and related services have been received and evaluated by City of Vaughan stakeholder departments in an effort to reach consensus in the selection process.

The proposal from Cole Engineering Group Ltd. at value of \$267,953.20 (applicable taxes included), received the highest evaluation scoring and is qualified and compliant. It is recommended by Staff that this proposal be accepted.

The necessary provisions in the Engineering and Public Works Department's budget have been made and approved by Council.

Attachments

None

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Respectfully submitted,

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