



Subject: Request for Proposal Award - Geotechnical Investigation for Hwy 20 Watermain Design (102EN2015-RFP02)

Report to: Thorold City Council

Recommendations

1. That the Request for Proposal No: 102EN2015-RFP02 respecting the Geotechnical Investigation and Excess Soil Management for Highway 20 Watermain Design **BE AWARDED** to Peto MacCallum Ltd at a contract price of \$49,000.00 excluding HST;
2. That Staff **BE AUTHORIZED** to fund the geotechnical works from the approved 2022 Highway 20 Watermain Design budget, subject to adherence to the Procurement Policy; and
3. That the Mayor and the Clerk **BE AUTHORIZED** to execute the necessary contracts.

Key Facts

- Council approved the Request for Proposal award (PWCS2022-60) for Highway 20 Watermain Design in June 21, 2022 (See Appendix -1 below).
- Staff identified that additional funds are required from the approved Hwy 20 Watermain budget to complete all aspects of geotechnical investigations.
- This project is within the Ministry of Transportation (MTO) highway corridor and consultants were pre-qualified through the MTO Registry Appraisal and Qualified System (RAQS) to conduct work within their corridor.
- Request for Proposal was solicited in accordance with Thorold's Procurement Policy and two (2) submissions were received from MTO RAQS qualified geotechnical consultants.
- This project is about to advance to the detailed design stage and will require the completion of geotechnical investigations in accordance with the MTO requirements.
- The selection of successful bidder was conducted in accordance with the City's Procurement Policy with recommendations to accept the bid from the lowest bidder.

Budgetary Status

Funding in the amount of \$120,000.00 was approved in June, 2022 for Hwy 20 Watermain Design and the completion of all other aspects of consulting engineering services for this project.

Analysis

Scope of work includes utility locates, traffic control, excess soil management and geotechnical investigations to determine the subsurface soil and groundwater conditions for the project site. A total of twenty (20) boreholes will be advanced to the soil strata. Nineteen (19) out of the twenty boreholes will be drilled to a depth of about 4m and one (1) borehole drilled to a depth of 5.0 m below grade. Additional, two (2) asphalt core samples will be retrieved in accordance the applicable Ontario Provincial Standard Specifications.

Staff solicited a Request for Proposal (RFP) and received two (2) submissions from bidders. Bid results are summarized as follows:

| MTO RAQS Geotechnical Engineering Consultants | Rank | Total Scores (Out of 1000) |
|--|-------------|-----------------------------------|
| Peto MacCallum Ltd. | 1 | 881 |
| EXP Services Inc. | 2 | 774 |

The submissions were reviewed for errors and omissions, and staff can confirm that all bidders were MTO RAQS qualified.

Based on this analysis, Staff are recommending that Council award the contract for Geotechnical Investigation and Excess Soil Management for Highway 20 Watermain Design to Peto MacCallum Ltd. at a contract price of \$49,000.00 plus HST.

Alternatives Reviewed

- N/A.

Relationship to Strategic Plan

- Responsible Community Growth and Infrastructure Planning.

Other Pertinent Reports

- Approved Highway 20 Watermain Design Council Report: [ms-word:ofe|u|https://thorold.escibemeetings.com/Reports/PWCS2022-60](https://thorold.escibemeetings.com/Reports/PWCS2022-60)
[Consultant Award - Watermain Design and Construction Hwy 20 between Barker Parkway and Allanport Road.docx](#)

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This report was reviewed by Sean Dunsmore, Manager, Engineering.

Appendix 1: Council Award Letter – 102EN2015 - Highway 20 Watermain Design between Barker Parkway and Allanport Road.