

Section I – Items for Board of Directors Action

TO: Chair and Members of the Executive Committee
Meeting #9/19, Friday, November 01, 2019

FROM: Moranne McDonnell, Director, Restoration and Infrastructure

RE: **REQUEST FOR PROPOSAL FOR DETAILED DESIGN AND IMPLEMENTATION (DESIGN-BUILD) FOR THE 30 – 36 ROSE PARK CRESCENT SLOPE STABILIZATION PROJECT, CITY OF TORONTO**
RFP No. 10020367

KEY ISSUE

Award of Request for Proposal (RFP) No. 10020367 to retain a design-build team to develop detailed designs and undertake slope stabilization works, including supplying all labour, equipment and materials required for implementation of emergency works, behind three private residential properties located at 30, 32, and 36 Rose Park Crescent, in the City of Toronto.

RECOMMENDATION

THE EXECUTIVE COMMITTEE RECOMMENDS THAT WHEREAS Toronto and Region Conservation Authority (TRCA) is engaged in a project that requires the design and implementation of slope stabilization works to provide long-term protection to three (3) private residential properties located at the top of slope identified to be at immediate risk from the hazards of erosion and slope instability;

AND WHEREAS TRCA solicited proposals through a publicly advertised process and evaluated the proposals based on technical and financial criteria;

THEREFORE, LET IT BE RESOLVED THAT Request for Proposal (RFP) No. 10020367 for the 30 – 36 Rose Park Crescent Slope Stabilization Project be awarded to Midome Construction Services Limited at a total cost not to exceed \$1,100,000 plus applicable taxes, to be expended as authorized by Toronto and Region Conservation Authority (TRCA) staff;

THAT TRCA staff be authorized to approve additional expenditures to a maximum of \$110,000 (10% of the project cost), plus applicable taxes, in excess of the contract cost as a contingency allowance if deemed necessary;

THAT should TRCA staff be unable to negotiate a contract with the above-mentioned proponent, staff be authorized to enter into and conclude contract negotiations with other Proponents that submitted proposals, beginning with the next highest ranked proposal meeting TRCA specifications;

AND FURTHER THAT authorized TRCA officials be directed to take whatever action may be required to implement the contract, including obtaining necessary approvals and the signing and execution of any documents.

BACKGROUND

Following a severe rainfall and flooding event in May 2017, TRCA was notified of a major slope failure behind three residential properties located at 30, 32 and 36 Rose Park Crescent, in the

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City of Toronto. Upon inspection by TRCA staff, it was identified that multiple slope failures occurred resulting in a substantial loss of tableland and other un-engineered structures. TRCA subsequently retained the geotechnical engineering firm Terraprobe Inc. in June 2017 to complete an expedited slope stability and erosion risk assessment to confirm the extent of risk to the homes. The results of this assessment confirmed that 30 Rose Park Crescent, which is currently offset from the slope crest by approximately 2 metres at the closest point, is at risk should no stabilization works be undertaken.

Changes in site conditions and observations of accelerated erosion and slumping prompted the recommendation to expedite the planning and design process in accordance with the emergency works provisions in the Class Environmental Assessment for Remedial Flood and Erosion Control Projects (amended 2013). Terraprobe provided a memorandum in support of this recommendation which noted that the near vertical face of the failed slope sections are unstable. Terraprobe advised that additional movement could present unsafe conditions for the occupants if not addressed, and it was recommended that expedited actions are required to stabilize the slope based on the site conditions.

Due to the inherent difficulty in site access and the environmental and time sensitive nature of this emergency works project, TRCA has proposed to retain a qualified design-build team to design and implement a slope stabilization solution in order to expedite project timelines.

TRCA has negotiated contribution requirements with each of the landowners as per TRCA's Private Landowner Contribution Policy for Erosion Control Works (2017). TRCA has executed a design agreement with the landowners and will execute an erosion control agreement prior to implementation for 30% of the total costs.

RATIONALE

A Request for Pre-Qualification (RFPQ) for design-build contractors was publicly advertised on the public procurement website www.biddingo.com on March 27, 2019 and closed on April 29, 2019 at 11:00am. Design-build contractors interested in pre-qualifying were advised that in order to receive an invitation to bid for Request for Proposal (RFP) No. 10020367 they must meet the following criteria:

- Submission of a complete pre-qualification package
- Past experience in the construction of similar slope stabilization projects within a ravine/valley setting
- Past experience in the development of detailed designs of similar slope stabilization projects within a ravine/valley setting
- Ability to meet construction schedule milestones and coordinate work by others
- Value of completed works and experience dealing with construction budgets over \$1 million
- Positive feedback received from reference provided by the contractor on their CCDC 11 – 2018 Form as well as internal TRCA references, where applicable

One (1) addendum was issued on April 15, 2019 to respond to questions received by the document takers.

A total of twenty-five (25) firms were noted as 'full document takers' on Biddingo for the pre-qualification documents and eight (8) pre-qualification submissions were received from the following Proponent(s):

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- 2220742 Ontario Ltd. o/a Bronte Construction
- Digregorio International Paving & Construction Ltd. o/a Dig-Con International Ltd.
- Dynex Construction Inc.
- Enscon Ltd.
- Geostabilization International Inc.
- Hawkins Contracting Services Ltd.
- Metric Contracting Services Corp.
- Midome Construction Services Ltd.

Digregorio International Paving & Construction Ltd. was disqualified during the prequalification stage because the proponent failed to demonstrate their methodology to undertake the scope of work as outlined in the RFPQ document.

An Evaluation Committee comprised of staff from the Engineering Project Business Unit reviewed the pre-qualification documents against the criteria above. Based on the evaluation results, Request for Proposal documents were issued on July 25, 2019 to the following seven (7) Proponents:

- 2220742 Ontario Ltd. o/a Bronte Construction
- Dynex Construction Inc.
- Enscon Ltd.
- Geostabilization International Inc.
- Hawkins Contracting Services Ltd.
- Metric Contracting Services Corp.
- Midome Construction Services Ltd.

A mandatory meeting and site tour was held on August 1, 2019 and the RFP closed on August 21, 2019 at 4:00pm. One (1) addendum was issued on August 8th, 2019 to respond to questions received. A formal proposal opening took place on August 26th, 2019 at TRCA's Head Office (101 Exchange Avenue). The Opening committee consisted of representatives from the Engineering Projects and Procurement Business Units.

Five (5) proposals were received from the following Proponent(s):

- Enscon Ltd.
- Geostabilization International Inc.
- Hawkins Contracting Services Ltd.
- Metric Contracting Services Corp.
- Midome Construction Services Ltd.

An Evaluation Committee comprised of staff from the Engineering Projects Business Unit who evaluated the technical and financial proposals. The highest ranked proposal was circulated to staff in the Engineering Services business unit for geotechnical review to ensure the proposed approach and methodology is feasible. The criteria used to evaluate and select the recommended Proponent included the following:

Criteria	Weight (%)	Minimum Score
Conformance with the terms of the RFP	10	-
Understanding of Project and Scope of Work	15	-

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Similar Projects – Scope and Magnitude	10	-
Expertise and Availability of Project Team (Resumes)	10	-
Approach/Methodology	25	-
Sub-total of Technical Evaluation Criteria	70	40
Pricing (reasonableness of cost)	30	-
Sub-total Pricing	30	-
Total Points	100	-

Midome Construction Services Ltd. was evaluated as the highest ranked proponent that met all qualifications and requirements set out in the RFP. Therefore, it is recommended that contract No. 10020367 be awarded to Midome Construction Services Ltd. at a total cost not to exceed **\$1,100,000**, plus **10%** contingency, plus applicable taxes, it being the highest ranked proposal meeting TRCA's specifications. Proponent's scores and staff analysis of the evaluation results can be provided in an in-camera presentation, upon request.

Relationship to Building the Living City, the TRCA 2013-2022 Strategic Plan

This report supports the following strategic priorities set forth in the TRCA 2013-2022 Strategic Plan:

Strategy 2 – Manage our regional water resources for current and future generations

The Project provides continued investment in erosion control and slope stabilization and will provide protection to essential structures and public health and safety in addition to enhancing the integrity and health of the Vale of Avoca Ravine system.

FINANCIAL DETAILS

Funds for the contract are identified in the 2019 City of Toronto capital budget for Valley Erosion Hazard Projects. The project was approved as part of the 2019 workplan authorized at the Board of Directors Meeting #7/19 under Resolution #A143/19. The cost of executing this contract, including all staff time and associated costs to manage the project, is being tracked under account 133-28.

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Date: November 1, 2019

Attachment: 1

Attachment 1: Key Map of Project location