Item 7.2

Section I – Items for Board of Directors Action

TO: Chair and Members of the Board of Directors
Meeting #7/20, Friday, October 23, 2020

FROM: Anil Wijesooriya, Director, Restoration and Infrastructure

RE: **REQUEST FOR PROPOSAL FOR DESIGN BUILD CONTRACT AT HOME SMITH PARK, CITY OF TORONTO**
RFP No. 10022883

KEY ISSUE

Award of Request for Proposal (RFP) No. 10022883 to retain a design-build team to develop detailed designs and undertake bank stabilization works, including supplying all labour, equipment and materials required for implementation of major maintenance works along Home Smith Park in the City of Toronto.

RECOMMENDATION

WHEREAS Toronto and Region Conservation Authority (TRCA) is engaged in a project that requires major maintenance works associated with a bank scour along the Lower Humber Channel in Home Smith Park, located immediately downstream of a TRCA-owned weir;

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

THEREFORE, LET IT BE RESOLVED THAT Request for Proposal (RFP) No. 10022883 for Home Smith Park Weir Major Maintenance Project be awarded to Dynex Construction Inc. at a total cost not to exceed $522,095, plus applicable taxes, to be expended as authorized by TRCA staff;

THAT TRCA staff be authorized to approve additional expenditures to a maximum of $52,210 (approximately 10% of the project cost), plus applicable taxes, in excess of the contract cost as a contingency allowance if deemed necessary;

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

BACKGROUND

TRCA identified a section of Humber River that requires major maintenance work to address riverbank erosion that is occurring downstream of an existing weir structure (FCC16.03). This site is located within Home Smith Park, on the west bank of the Humber River adjacent to Home Smith Park Road which extends between Dundas Street West and Bloor Street West in the City of Toronto. The Project Location map is included with this report as **Attachment 1**.

FCC16.03 is a concrete three-tier weir structure in the Lower Humber River. The structure was constructed in 1961 and is monitored on a yearly basis by TRCA. The weir has two secondary retaining wall structures extending downstream on both sides of the river to protect the banks from erosion. Although the weir is in good condition with no major deficiencies, approximately

54 metres of an existing concrete block retaining wall on the west bank has failed and has resulted in a bank scour that is placing the weir, parkland, and nearby Home Smith Park Road at risk. City of Toronto staff have secured the area with caution tape to warn park patrons of the risk. Please refer to **Attachment 2** for photographs of existing site conditions.

Due to project complexities involving the proximity of the work area to the weir, the need to integrate the proposed solution with adjacent erosion control structures, and potential challenges with maintaining a dry work area during construction, TRCA decided to tender this project and seek proposals from experienced design-build teams.

RATIONALE

A Request for Pre-Qualification (RFPQ) for design-build contractors was posted on the public procurement website www.biddingo.com on February 24, 2020 and closed on March 27, 2020 at 4:00 PM. Design-build contractors interested in pre-qualifying were advised that in order to receive an invitation to bid for Request for Proposal (RFP) No. 10022883 they must meet the following criteria:

- Submission of a complete pre-qualification package;
- Past experience in the development of detailed designs and construction of similar bank stabilization projects within a ravine setting;
- Ability to meet construction schedule milestones and coordinate work by others;
- Value of completed works and experience dealing with construction budgets over $500,000; and
- Positive feedback received from references provided by the contractor on their CCDC 11 – 2019 Form as well as internal TRCA references, where applicable.

Three (3) addenda were issued to respond to questions received by the document takers.
A total of twenty-four (24) firms were noted as 'full document takers' on Biddingo for the pre-qualification documents and three (3) pre-qualification submissions were received from the following Proponent(s):

- Dynex Construction Inc.
- EBC Inc.
- Esposito Bros. Construction

An Evaluation Committee comprised of staff from the Engineering Projects Business Unit reviewed the pre-qualification documents against the above noted criteria. Based on the evaluation results, Request for Proposal documents were issued on April 27, 2020 to the three (3) Proponents noted above.

A mandatory site tour was held on May 4, 2020 and the RFP closed on August 21, 2020 at 4:00 PM. Four (4) addenda were issued to respond to questions received; addendum #4 included a Geotechnical Pavement Investigation memo provided to Proponents as supporting data for preparation of the construction workplan.

Proposals were received electronically via www.biddingo.com.. One (1) proposal was received from the following Proponent:

- Dynex Construction Inc.

TRCA contacted other potential proponents to understand why they did not submit a proposal, and lack of sufficient time was stated as the reason. It is the opinion of the Evaluation Committee that proposal preparation time was not lacking due to the following reasons:

- A total of 16 weeks was provided by TRCA to the bidders to prepare their proposals; and
- Following issuance of Addendum #4, bidders had a total of 9 business days prior to proposal due date, to submit any questions and/or request for deadline extensions. TRCA did not receive any requests to extend the proposal due date.

The Evaluation Committee comprised of staff from the Engineering Projects Business Unit who evaluated the technical and financial proposal received. The proposal prepared by Dynex Construction Inc. was evaluated and determined to meet all qualifications and requirements set out in the RFP. The price was also reviewed and compared to internal cost estimates for construction of similar works and was determined to represent good value.

The technical proposal submitted by Dynex Construction Inc. included a preliminary design prepared by Aquafor Beech Ltd. and the drawing is included with this report as **Attachment 3**. The proposed design by Aquafor Beech includes the replacement of the existing failing concrete block retaining wall (54 m long) with a proposed armourstone retaining wall (approximately 43 m long). This wall will then be tied in at the downstream extent to the existing bank with a proposed vegetated buttress (approximately 15 m long).

Therefore, it is recommended that contract No. 10022883 be awarded to Dynex Construction Inc. at a total cost not to exceed **$522,095**, plus **10%** contingency, plus applicable taxes, it being the highest ranked Proponent meeting TRCA 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 priority set forth in the TRCA 2013-2022 Strategic Plan:
Strategy 2 – Manage our regional water resources for current and future generations

FINANCIAL DETAILS
Funds for the contract are identified in the 2020 Capital Budget for the City of Toronto Erosion Control Major Maintenance Program. The cost of executing this contract, including all staff time and associated costs to manage the project, is being tracked under account 134-01.

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Attachments: 3

Attachment 1: Project Location
Attachment 2: Site Photographs – Existing Conditions
Attachment 3: Proposed Conditions