

Section I – Items for Board of Directors Action

TO: Chair and Members of the Executive Committee
Meeting #4/20, Friday, June 12, 2020

FROM: Moranne McDonnell, Director, Restoration and Infrastructure

**RE: REQUEST FOR TENDER FOR SUPPLY AND DELIVERY OF 100-700
MILLIMETRE CORE STONE MATERIAL FOR THE ASHBRIDGES BAY
TREATMENT PLANT LANDFORM PROJECT
RFT No. 10033378**

KEY ISSUE

Award of Request for Tender (RFT) No. 10033378 for the supply and delivery of 148,000 tonnes of 100-700 millimetre core stone material for the Cell 2 perimeter berm of the Ashbridges Bay Treatment Plant Landform Project.

RECOMMENDATION

WHEREAS Toronto and Region Conservation Authority (TRCA) is engaged in a project that requires the supply and delivery of 148,000 tonnes of 100-700 millimetre core stone material;

AND WHEREAS TRCA solicited tenders through a publicly advertised process;

THEREFORE, THE EXECUTIVE COMMITTEE RECOMMENDS THAT RFT No. 10033378 for the Ashbridges Bay Treatment Plant Landform Project be awarded to Dufferin Aggregates at a total cost not to exceed \$5,132,640, plus applicable taxes, to be expended as authorized by TRCA staff;

THAT TRCA staff be authorized to approve additional expenditures to a maximum of \$513,264 (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 quotations, beginning with the next lowest bid meeting TRCA specifications;

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, in partnership with the City of Toronto, has commenced construction of three shore-connected breakwaters and a headland-beach system as part of the Ashbridges Bay Treatment Plant (ABTP) Landform Project located on the north shore of Lake Ontario, in the City of Toronto.

The Ashbridges Bay area has been the subject of several environmental assessments intended to identify a solution to local shoreline erosion and sediment deposition issues while considering

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approved planning initiatives and current uses in the project area.

Erosion control for long-term shoreline stability and protection of existing facilities, as well as management of sediment from the Coatsworth Cut navigation channel were identified as critically important to the City of Toronto. An integrated approach was decided upon which included the development of detailed designs and construction of the ABTP Landform as a solution to the erosion and sediment control issues at Ashbridges Bay.

Construction of the ABTP Landform, in accordance with the detailed designs, was authorized during the City Council meetings on April 16 and 17, 2019.

At TRCA's Board of Directors meeting #4/19, held on April 26, 2019, RES.#A56/19 provided staff with direction to negotiate and enter into and execute one or more service agreements with the City of Toronto to construct the Ashbridges Bay Treatment Plant Landform. The final agreement for construction of the ABTP Landform Project was executed on December 23, 2019 and construction activities officially began on January 13, 2020.

A comprehensive implementation phasing plan for the landform was prepared as part of detailed design. Construction of the Landform will be split into three components and three corresponding cells, which will be constructed from west to east. Each phase involves the construction of a confinement berm to isolate the fill area from the lake, the filling of the cell, the construction of a protective headland-beach system, and submerged shoal habitat features.

There is also a central and east breakwater, which together, provides a long-term solution to address the sedimentation issue within the Coatsworth Cut navigation channel which TRCA currently maintains through a \$250,000 per year dredging program.

Given the scope of the Landform Project, an estimated five to six-year phased approach is required to construct the work. The phases are as follows and are depicted in Figure 1:

- Phase 1 – Construction of the Cell 1 confinement berm, filling of Cell 1, and construction of the headland-beach system and submerged shoals associated with Cell 1
- Phase 2 – Construction of Cell 2 confinement berm, filling of Cell 2, construction of headland-beach system and submerged shoals associated with Cell 2
- Phase 3 – Construction of the Cell 3 confinement berm, filling of Cell 3, and armourstone and rip-rap placement
- Phase 4 and 5 – Construction of Eastern and Central Breakwater, and shoal construction

Approval to award Contract #10020798 for supply and delivery of material required for the construction of the Cell 1 confinement berm was recommended for approval at Executive Committee meeting #4/19 held on Friday May 03, 2019 and was approved at the Board of Directors meeting #5/19 held on Friday May 24, 2019.

Construction of the Cell 1 confinement berm commenced on February 5, 2020 and is scheduled to be completed in September 2020, having used all the material provided for under Contract #10020798. Following completion of the Cell 1 confinement berm, TRCA staff plan to continue seamlessly with the construction of Cell 2 confinement berm; RFT No. 10033378 was issued to this end.

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RATIONALE

A Request for Tender for general contractors for materials required to build the second cell of the Landform was publicly advertised on the public procurement website www.biddingo.com on April 23, 2020. Due to COVID-19 restrictions, optional bidders meetings were scheduled for April 29, 2020; three vendors attended at separate scheduled times. The RFT closed on May 8, 2020.

One addendum was issued to respond to questions received.

A total of 24 firms downloaded the documents and submissions were received from the following Proponent(s):

- Dufferin Aggregates
- Glenn Windrem Trucking
- Gott Natural Stone '99 Inc.
- Lafarge Canada Inc.
- Miller Paving Limited

The Procurement Opening Committee opened the Tenders via Biddingo on May 8, 2020 at 12:00 p.m. with the following results:

Proponent	Fee (Plus HST)
Dufferin Aggregates	\$5,132,640.00
Glenn Windrem Trucking	\$5,846,000.00
Gott Natural Stone Inc.	\$7,104,000.00
Lafarge Canada Inc.	\$5,178,520.00
Miller Paving Limited	\$5,547,040.00

Staff reviewed the bid received from Dufferin Aggregates against its own cost estimate and has determined that the bid is of reasonable value and meets the requirements as outlined in the RFT documents. Therefore, it is recommended that contract No. 10033378 be awarded to Dufferin Aggregates at a total cost not to exceed \$5,132,640, plus 10% contingency, plus applicable taxes, it being the lowest bid meeting TRCA's specifications.

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

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

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

Strategy 7 – Build partnerships and new business models

Strategy 12 – Facilitate a region-wide approach to sustainability

FINANCIAL DETAILS

The maximum agreement price for construction of the Ashbridges Bay Treatment Plant Landform Project is \$106,220,000 net of all applicable taxes. Funds to support the contract for RFT 10033378 will be recovered through the agreement with the City of Toronto and tracked under account code 183-02.

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Attachments: 2

Attachment 1: Construction Phasing Plan

Attachment 2: Core stone delivery route