

Section I – Items for Board of Directors Action

TO: Chair and Members of the Board of Directors
Friday, October 28, 2022 Meeting

FROM: Anil Wijesooriya, Director, Restoration and Infrastructure

RE: **REQUEST FOR TENDER FOR SUPPLY AND DELIVERY OF VARIOUS AGGREGATES FOR THE ASHBRIDGES BAY TREATMENT PLANT LANDFORM PROJECT – HEADLAND 4**
RFT No. 10038221, 10038222

KEY ISSUE

1. Award of Request for Tender (RFT) No. 10038221 - Supply and Delivery of 13,000 tonnes of 100 - 700 mm Core Stone; and
2. Award of Request for Tender (RFT) No. 10038222 – Supply and Delivery of 18,400 tonnes of 4 – 6 tonne non-stackable Armour Stone.

RECOMMENDATION:

WHEREAS Toronto and Region Conservation Authority (TRCA) is engaged in a project that requires supply and delivery of various aggregates;

AND WHEREAS TRCA solicited tenders through a publicly advertised process;

THEREFORE, LET IT BE RESOLVED THAT RFT No. 10038221 be awarded to Glenn Windrem Trucking at a total cost not to exceed \$526,500, plus applicable taxes, to be expended as authorized by TRCA staff;

THAT TRCA staff be authorized to approve additional expenditures to a maximum of \$52,650 (approximately 10% of the tender cost), plus applicable taxes, in excess of the contract cost as a contingency allowance if deemed necessary.

THAT RFT No. 10038222 be awarded to the second lowest bid from Gott Natural Stone '99 Inc. for the reasons stated below at a total cost not to exceed \$1,606,872, plus applicable taxes, to be expended as authorized by TRCA staff;

THAT TRCA staff be authorized to approve additional expenditures to a maximum of \$160,687 (approximately 10% of the tender 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 bidders, staff be authorized to enter into and conclude contract negotiations with other bidders that submitted tenders, 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 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.#A58/19 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. On June 26, 2019, TRCA and the City of Toronto executed an Interim Letter Agreement allowing TRCA to undertake preconstruction activities. The Final Agreement for construction of the ABTP Landform Project was effective September 30, 2019, with construction activities officially beginning on January 13, 2020.

A comprehensive implementation phasing plan for the landform was prepared as part of detailed design. Construction of the Landform was split into three components and three corresponding cells, constructed from west to east. Each phase involved 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 are also central and east breakwater components, which together, provide 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-year phased approach is required to construct the works that commences in 2020. The phases are as follows:

- 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

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At the time of writing this report, construction of all three confinement berms, filling of Cell 1 and Cell 2 and construction of Headland 2 and 3 are complete.

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 3, 2019 and was approved at the Board of Directors meeting #5/19 held on Friday May 24, 2019.

RATIONALE

A request for Tender for supply and delivery of various aggregate materials to Ashbridges Bay Treatment Plant Landform Project – Headland 4 was posted on the public procurement website, Biddingo.com on August 22, 2022 and closed on September 6, 2022. One (1) addendum was issued to respond to questions received.

A total of seven (7) companies downloaded the documents and four (4) submissions were received from the following Bidder(s):

- Glenn Windrem Trucking
- Gott Natural Stone '99 Inc.
- H.R. Doornekamp Construction Ltd
- J.C. Rock Ltd.

The Procurement Opening Committee opened the Tenders on September 6, 2022 with the following results:

RFT # 10038221 – Supply and Delivery of 13,000 Tonnes of 100-700 mm Core Stone to Ashbridges Bay Landform Project – Headland 4

Bidder	Fee (Plus HST)
Glenn Windrem Trucking	\$ 526,500
J.C. Rock Ltd.	\$ 564,590
H.R. Doornekamp Construction Ltd	\$ 715,000
Gott Natural Stone '99 Inc.	\$ 897,520

A Committee consisted of the consulting engineer and a TRCA site supervisor conducted quarry visits. The engineer report concluded that the 100-700 mm Core Stone material at Glenn Windrem Trucking's quarry "is suitable"

Staff reviewed the bid received from Glenn Windrem Trucking 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.10038221 be awarded to Glenn Windrem Trucking at a total cost not to exceed \$526,500, plus 10% contingency, plus applicable taxes, it being the lowest bid meeting TRCA's specifications.

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RFT # 10038222 – Supply and Delivery of 18,400 Tonnes of 4 – 6 Tonne Piece Non-Stackable Armourstone to Ashbridges Bay Landform Project– Headland 4:

Bidder	Fee (Plus HST)
J.C. Rock Ltd.	\$ 1,393,248
Gott Natural Stone '99 Inc.	\$ 1,606,872
Glenn Windrem Trucking	\$ 1,628,400
H.R. Doornekamp Construction Ltd	\$ 1,932,000

The committee inspected three (3) quarries listed by J.C. Rock Ltd. The engineer report concluded that stone material of one of J.C. Rock Ltd. quarries was “not suitable”, while the material from the other two (2) quarries “met low end of specification. However, a source of larger material was not identified”. J.C. Rock also requested that the stone sizing requirement of the tender specifications be removed and stated that they would be unable to meet the requirements without this change. Based on the above staff recommend that J.C. Rock Ltd. bid be rejected as it does Not meet the requirements as outlined in the RFT documents.

The committee also inspected two (2) quarries listed by Gott Natural Stone '99 Inc. The engineer’s report stated about the first quarry “Our overall comment on the 4-6 tonne armour stone is that the stone is suitable and the supply available seems to be sufficient.”

Staff reviewed the bid received from Gott Natural Stone '99 Inc. 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.10038222 be awarded to Gott Natural Stone '99 Inc. at a total cost not to exceed \$1,606,872, plus 10% contingency, plus applicable taxes, it being the lowest bid meeting TRCA’s specifications.

Relationship to Building the Living City, TRCA’s 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 estimated project cost for construction of the Ashbridges Bay Treatment Plant Landform Project is \$96 million net of all applicable taxes (\$97.7 million net of HST recoveries).

Funds to support these contracts will be recovered through the service agreement with the City of Toronto and tracked under account code 183-02.

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Date: October 20, 2022

Attachments: 2

Attachment 1 - Key Map of Project Location

Attachment 2 - Project Progress Photos