

Section I – Items for Board of Directors Action

TO: Chair and Members of the Board of Directors
Meeting #9/19, Friday, October 25, 2019

FROM: Moranne McDonnell, Director, Restoration and Infrastructure

RE: **REQUEST FOR TENDER FOR THE SUPPLY AND DELIVERY OF VARIOUS SIZE AGGREGATE MATERIAL FOR THE LONG BRANCH PARK MAJOR MAINTENANCE PROJECT**
Award of Request for Tender (RFT) No. 10021508, 10021509, 10021510

KEY ISSUE

Award of Request for Tender (RFT) No. 10021508 for the supply and delivery of 4,800 tonnes of 300-600 mm rip rap material, RFT No. 10021509 for the supply and delivery of 12,600 tonnes of 2-4 tonne armourstone material, and RFT No. 10021510 for the supply and delivery of 2,600 tonnes of 4-6 tonne armourstone material for major maintenance of the Long Branch Park shoreline.

RECOMMENDATION

WHEREAS Toronto and Region Conservation Authority (TRCA) is engaged in the Long Branch Park Major Maintenance Project that requires 4,800 tonnes of 300-600 mm rip rap material, 12,600 tonnes of 2-4 tonne armourstone material, and 2,600 tonnes of 4-6 tonne armourstone material;

AND WHEREAS TRCA solicited tenders through a publicly advertised process;

THEREFORE, LET IT BE RESOLVED THAT RFT No. 10021508 be awarded to Glenn Windrem Trucking at a total cost not to exceed \$223,200, plus applicable taxes, plus a contingency of 10% to be expended as authorized by TRCA staff;

THAT RFT No. 10021509 be awarded to Glenn Windrem Trucking at a total cost not to exceed \$929,250, plus applicable taxes, plus a contingency of 10% to be expended as authorized by TRCA staff;

THAT RFT No. 10021510 be awarded to CDR Young Aggregates Inc. at a total cost not to exceed \$207,246, plus applicable taxes, plus a contingency of 10% to be expended as authorized by TRCA staff;

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 is preparing to undertake major maintenance on existing shoreline erosion control structures in Long Branch Park. Long Branch Park is a waterfront park on the north shore of Lake Ontario, located at 245 Lake Promenade in Etobicoke, City of Toronto. The park was built as a fill extension in the mid-1960s and features an armourstone headland and revetment that provide erosion protection to the shoreline. These structures have been monitored annually since 2006 by TRCA's Erosion Risk Management Program. Based on TRCA monitoring records, the headland has been listed as failing since 2006 and the revetment has been listed as failing since 2008.

In the fall of 2016, Riggs Engineering Limited undertook a comprehensive assessment of the 73 TRCA shoreline erosion control structures between Marie Curtis Park in the west and the western extent of Ontario Place in the east. Based on a ranking system accounting for structure condition, adjacent land use function, environmental factors, and other factors, the revetment at Long Branch Park ranked higher in priority than any other structure included in the assessment. Following Riggs Engineering Limited's assessment, Lake Ontario experienced record high water levels in 2017 and 2019. These severe lake conditions and other storm events have exacerbated the erosion of the headland and revetment presenting a public safety concern.

In 2017, TRCA retained Shoreplan Engineering Limited (Shoreplan) through a competitive process to develop detailed designs for the long-term repair of the existing erosion control structures. The major maintenance works include replacing the existing structures with a new double layer along with random placement of armourstone revetment while utilizing existing material where possible. The design includes consideration of existing and predicted future coastal conditions to ensure long-term structural resiliency.

Shoreplan and TRCA estimate that approximately 4,800 tonnes of 300-600 mm rip rap material, 12,600 tonnes of 2-4 tonne armourstone material, and 2,600 tonnes of 4-6 tonne armourstone material will be required to complete this work.

RATIONALE

A RFT for general contractors for materials required for maintenance of the Long Branch Park shoreline was publicly advertised on the public procurement website www.biddingo.com on August 28, 2019. A mandatory site meeting was held on September 4, 2019. The RFT closed on September 11, 2019.

An addendum was issued on September 9, 2019 to respond to questions received.

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

- Atlantis Marine Construction Canada Inc.
- Glenn Windrem Trucking
- CDR Young Aggregates Inc.

All Proponents who submitted a bid attended the mandatory site meeting.

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The Procurement Opening Committee opened the Tenders on September 11, 2019 at 11:00 am with the following results:

RFT No. 10021508 - Supply and Delivery of 4,800 Tonnes of 300-600 mm Rip Rap

Proponent	Fee (Plus HST)
Glenn Windrem Trucking	\$223,200
Atlantis Marine Construction Canada Inc.	No Bid
CDR Young Aggregates Inc.	No Bid

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. 10021508 be awarded to Glenn Windrem Trucking at a total cost not to exceed \$223,200, plus 10% contingency, plus applicable taxes, it being the lowest bid meeting TRCA's specifications.

RFT No. 10021509 - Supply and Delivery of 12,600 Tonnes of 2-4 Tonne Armourstone

Proponent	Fee (Plus HST)
Glenn Windrem Trucking	\$929,250
Atlantis Marine Construction Canada Inc.	\$957,600
CDR Young Aggregates Inc.	\$972,846

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. 10021509 be awarded to Glenn Windrem Trucking at a total cost not to exceed \$929,250, plus 10% contingency, plus applicable taxes, it being the lowest bid meeting TRCA's specifications.

RFT No. 10021510 - Supply and Delivery of 2,600 Tonnes of 4-6 Tonne Armourstone

Proponent	Fee (Plus HST)
Atlantis Marine Construction Canada Inc.	\$197,600
CDR Young Aggregates Inc.	\$207,246
Glenn Windrem Trucking	\$219,700

Staff reviewed the lowest bid which was received from Atlantis Marine Construction Canada Inc. (Atlantis Marine). On September 9, 2019, Staff terminated a similar contract with Atlantis Marine for the supply and delivery of 14,000 tonnes of 5-7 tonne armourstone (RFT No. 10021243), previously awarded based on the motion at Board of Directors meeting #6/19 held on June 21, 2019. Atlantis Marine's contract was terminated as the supply of armourstone from them did not meet material quality specifications, or the required rate of delivery stipulated in the contract. Therefore, it is not recommended that Atlantis Marine be awarded contract No. 10021510 despite their bid being the lowest bid received.

Staff reviewed the bid received from CDR Young Aggregates 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. 10021510 be awarded to CDR Young Aggregates Inc. at a total cost not to exceed \$207,246, plus 10% contingency, plus applicable taxes, it being the lowest bid meeting TRCA's specifications.

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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 contracts are identified in years 2019 and 2020 of the City of Toronto Capital Plan for TRCA within Table 2 and Table 8. The City of Toronto will contribute 60% of the costs through this funding allocation. The remaining 40% will be funded by Infrastructure Canada's Disaster Mitigation and Adaptation Fund (DMAF) through the approved Toronto Waterfront Erosion Hazard Mitigation Project. Expenses are being tracked through account code 241-24.

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Date: September 9, 2019

Attachment: 1

Attachment 1: Long Branch Park Major Maintenance Project – Project Area