

Section I – Items for Board of Directors Action

TO: Chair and Members of the Executive Committee
Meeting #8/19, Friday, October 04, 2019

FROM: Moranne McDonnell, Director, Restoration and Infrastructure

RE: **REQUEST FOR TENDER FOR THE SUPPLY AND DELIVERY OF 5-7 TONNE STACKABLE ARMOURSTONE MATERIAL FOR PHASE II OF THE BLUFFER'S PARK SOUTH HEADLAND AND BEACH MAJOR MAINTENANCE PROJECT**
Award of Request for Tender (RFT) No. 10021898.

KEY ISSUE

Award of Request for Tender (RFT) No. 10021898 for the supply and delivery of 12,500 tonnes of 5–7 tonne stackable armourstone material.

RECOMMENDATION

WHEREAS Toronto and Region Conservation Authority (TRCA) is engaged in Phase II of the Bluffer's Park South Headland and Beach Major Maintenance Project that requires 12,500 tonnes of 5–7 tonne armourstone material;

AND WHEREAS TRCA solicited tenders through a publicly advertised process;

THEREFORE, THE EXECUTIVE COMMITTEE RECOMMENDS THAT Request for Tender (RFT) No. 10021898 for 12,500 tonnes of 5–7 tonne armourstone be awarded to CDR Young Aggregates Inc. at a total cost not to exceed \$999,875, plus applicable taxes, plus a contingency of 10% to be expended as authorized by TRCA staff;

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 undertaking major maintenance works on existing shoreline protection structures within Bluffer's Park on the Lake Ontario waterfront. Bluffer's Park was built in the 1970s and opened to the public as a waterfront park in 1981. Erosion control structures along the shoreline of the park include a series of headlands, beaches, and revetments which provide protection to various public amenities such as a shoreline trail network, picnic and barbeque areas, washroom facilities, marinas, and a large public sand beach. These structures have been monitored annually by TRCA's Erosion Risk Management Program (ERMP) since 2006.

The project area includes an armourstone headland and sand/rip rap beach located near the southwest limits of the park. The ERMP has identified the headland as a failing structure since 2015. The beach has been listed as failing and recommended for maintenance since 2010. The armourstone material requested to be procured in this report will be used to repair the failing headland.

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In April 2018, TRCA was notified of significant damage to the headland and adjacent beach following a severe ice storm event which caused high wave conditions and damage to many areas along the shoreline. The waves caused significant displacement of armourstones and rip rap material, resulting in the complete collapse of the central portion of the headland. The structures were re-inspected under the ERMP, and both the headland and beach were identified as failed structures with the headland being recommended as the top priority for major maintenance.

Following this re-inspection, TRCA retained Riggs Engineering Ltd. (Riggs) through a competitive process to develop detailed designs for the repair of the headland and beach. The Project is being undertaken in three phases:

- **Phase I:** Interim maintenance of the collapsed portion of the headland – Implementation commenced in the fall of 2018 and was completed in January 2019.
- **Phase II:** Long-term maintenance of the headland – Implementation commenced in June 2019 and is anticipated to be completed in April 2020
- **Phase III:** Long-term maintenance of the beach – Scheduled for 2020 to 2021, pending receipt of funding.

Riggs has developed detailed designs for long-term maintenance of the headland, considering existing coastal conditions and predicted future conditions, to address the main concerns of wave overtopping and armourstone slope instability.

Long-term maintenance involves increasing the crest elevation height and the partial reconstruction of the headland by filling material voids in the existing structure and then capping with a supplemental layer of 5–7 tonne armourstone. Riggs and TRCA estimated that approximately 14,000 tonnes of 5–7 tonne armourstone will be required to complete this work.

The contract to supply 14,000 tonnes of armourstone (RFT No. 10021243) was awarded to Atlantis Marine Construction based on the motion at Board of Directors (BOD) Meeting #6/19 held on June 21, 2019. CDR Young Aggregates Inc. submitted the low bid on this contract but was disqualified for not including a bid bond in their submission.

Atlantis Marine's contract was terminated as an unacceptable amount of armourstone they have supplied has not met TRCA required material quality standards as confirmed by an on-site professional engineer. Further, they have not been able to maintain the required rate of delivery stipulated in the contract.

A new tender (RFT No. 10021898) was issued to cover the remaining 12,500 tonnes of armourstone required to complete work on the headland as per the design.

RATIONALE

A RFT for general contractors for the supply and delivery of 5–7 tonne armourstone material required for maintenance of the south headland was publicly advertised on the public procurement website www.biddingo.com on August 16, 2019. The RFT closed on August 27, 2019.

No addendums were issued as no questions were received.

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Submissions were received from the following Proponent(s):

- CDR Young Aggregates Inc

The Procurement Opening Committee opened the Tenders on August 27, 2019 at 11:00am with the following results:

RFT No. 10021898 - Supply and Delivery of 12,500 Tonnes of 5–7 Tonne Armourstone

Proponent	Fee (Plus HST)
CDR Young Aggregates Inc.	\$999,875

Staff reviewed the bid received from CDR Young Aggregates Inc. against the results of the previous tender 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. 10021898 be awarded to CDR Young Aggregates Inc. at a total cost not to exceed \$999,875, 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 strategic priority 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

FINANCIAL DETAILS

Funds for the contract will be recovered from Parks, Forestry and Recreation through the City of Toronto Master Service Agreement dated August 15, 2018. Expenses are being tracked through account code 186-44.

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Date: September 9, 2019

Attachments: 1

Attachment 1: Bluffer's Park South Headland and Beach Major Maintenance Project – Project Area