

Item 8.5.

Section I – Items for Board of Directors Action

TO: Chair and Members of the Board of Directors
Meeting #6/19, Friday, June 21, 2019

FROM: Moranne McDonnell, Director, Restoration and Infrastructure

RE: **REQUEST FOR TENDER FOR THE SUPPLY AND DELIVERY OF VARIOUS SIZES OF MATERIAL FOR PHASE II OF THE BLUFFER'S PARK SOUTH HEADLAND AND BEACH MAJOR MAINTENANCE PROJECT**
RFT No. 10021241, 10021242, 10021243

KEY ISSUE

Award of Request for Tender (RFT) No. 10021241 for the supply and delivery of 2,200 tonnes of 300 – 600 mm rip rap material, RFT No. 10021242 for the supply and delivery of 2,400 tonnes of 500 – 800 mm rip rap and RFT No. 10021243 for the supply and delivery of 14,000 tonnes of 5 – 7 tonne 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 2,200 tonnes of 300 – 600 mm rip rap material, 2,400 tonnes of 500 – 800 mm rip rap material and 14,000 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. 10021241 for 2,200 tonnes of 300 – 600 mm rip rap be awarded to Glenn Windrem Trucking at a total cost not to exceed \$84,700, plus applicable taxes, plus a contingency of 10% to be expended as authorized by Toronto and Region Conservation Authority (TRCA) staff;

THAT Request for Tender (RFT) No. 10021242 for 2,400 tonnes of 500 – 800 mm rip rap be awarded to Glenn Windrem Trucking at a total cost not to exceed \$92,400, plus applicable taxes, plus a contingency of 10% to be expended as authorized by Toronto and Region Conservation Authority (TRCA) staff;

THAT Request for Tender (RFT) No. 10021243 for 14,000 tonnes of 5 – 7 tonne armourstone be awarded to Atlantis Marine Construction at a total cost not to exceed \$973,000, plus applicable taxes, plus a contingency of 10% to be expended as authorized by Toronto and Region Conservation Authority (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.

Item 8.5.

BACKGROUND

Toronto and Region Conservation Authority (TRCA) is preparing to undertake 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, with a medium priority ranking for repair since 2017. The beach has been listed as failing and a medium priority for maintenance since 2010. The material requested to be procured in this report will be used to repair the failing headland.

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 – Scheduled for implementation July 2019 to 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 estimate approximately 2,200 tonnes of 300 – 600 mm rip rap, 2,400 tonnes of 500 – 800 mm rip rap and 14,000 tonnes of 5-7 tonne armourstone will be required to complete this work.

Item 8.5.

RATIONALE

A RFT for general contractors for materials required for maintenance of the south headland was publicly advertised on the public procurement website www.biddingo.com on May 17, 2019. The RFT closed on May 27, 2019.

No addendums were issued as no questions were received.

Submissions were received from the following Proponent(s):

- Atlantis Marine Construction
- Bronte Construction
- CDR Young's Aggregates
- Miller Group
- Glenn Windrem Trucking

CDR Young's Aggregates was disqualified for not including a bid bond in their submission.

The Procurement Opening Committee opened the Tenders on May 27, 2019 at 1:00pm with the following results:

RFT No. 100021241 - Supply and Delivery of 2,200 Tonnes of 300 – 600 mm Rip Rap

Proponent	Fee (Plus HST)
Glenn Windrem Trucking	\$84,700
Miller Group	\$86,790
Bronte Construction	\$134,640
Atlantis Marine Construction	No Bid
CDR Young's Aggregates Inc.	Disqualified

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. 10021241 be awarded to Glenn Windrem Trucking at a total cost not to exceed \$84,700, plus 10% contingency, plus applicable taxes, it being the lowest bid meeting TRCA's specifications.

RFT No. 100021242 - Supply and Delivery of 2,400 Tonnes of 500 – 800 mm Rip Rap

Proponent	Fee (Plus HST)
Glenn Windrem Trucking	\$92,400
Miller Group	\$94,680
Bronte Construction	\$173,610
Atlantis Marine Construction	No Bid
CDR Young's Aggregates Inc.	Disqualified

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. 10021242 be awarded to Glenn Windrem Trucking at a total cost not to exceed \$92,400, plus 10% contingency, plus applicable taxes, it being the lowest bid meeting TRCA's specifications.

Item 8.5.

RFT No. 100021243 - Supply and Delivery of 14,000 Tonnes of 5 – 7 Tonne Armourstone

Proponent	Fee (Plus HST)
Atlantis Marine Construction	\$973,000
Bronte Construction	\$1,529,500
Glenn Windrem Trucking	No Bid
Miller Group	No Bid
CDR Young's Aggregates Inc.	Disqualified

Staff reviewed the bid received from Atlantis Marine Construction 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. 10021243 be awarded to Atlantis Marine Construction at a total cost not to exceed \$973,000, 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.

Report prepared by: Jet Taylor, extension 5526

Emails: jet.taylor@trca.ca

For Information contact: Jet Taylor, extension 5526

Emails: jet.taylor@trca.ca

Date: May 7, 2019

Attachments: 1

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