

Section I – Items for Board of Directors Action

TO: Chair and Members of the Executive Committee
Friday, June 11, 2021 Meeting

FROM: Anil Wijesooriya, Director, Restoration and Infrastructure

RE: **REQUEST FOR TENDER FOR SUPPLY AND DELIVERY OF AGGREGATE FOR THE GIBRALTAR POINT EROSION CONTROL PROJECT**
RFT No. 10036007

KEY ISSUE

Award of Request for Tender (RFT) No.#10036007 for supply and delivery of 17,600 Tonnes of medium-coarse sand (0.5-2.0mm) and 37,400 Tonnes of fine sand (0.1-0.25mm) for the creation of a Sand Dune as part of the Gibraltar Point Erosion Control Project.

RECOMMENDATION

THE EXECUTIVE COMMITTEE RECOMMENDS THAT WHEREAS Toronto and Region Conservation Authority (TRCA) staff were authorized to proceed with the first phase of construction of the Gibraltar Point Erosion Control Project at Authority Board Meeting #6/18 held on June 5, 2018 (RES.#A133/18);

WHEREAS the approved Gibraltar Point Erosion Control project requires the creation of a Sand Dune as part of an adaptive sand management program to facilitate the completion of this project;

AND WHEREAS TRCA solicited tenders through a publicly advertised process;

THEREFORE, LET IT BE RESOLVED THAT RFT No.#10036007 for the supply and delivery of sand relating to the Gibraltar Point Erosion Control Project be awarded to H.R Doornekamp Construction Ltd. for a total cost not to exceed \$2,414,500, plus applicable taxes, to be expended as authorized by TRCA staff;

THAT TRCA staff be authorized to approve additional expenditures to a maximum of \$241,450 (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 Proponents, 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

In 2018, TRCA began implementing the Gibraltar Point Erosion Control Project in support of the approved Class Environmental Assessment addendum completed in April 2018. The Gibraltar Point Erosion Control Project will result in the protection of significant habitat, critical infrastructure and recreational assets that are at risk along the southwest shore of the Toronto

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Islands within the City of Toronto. The preferred design proposed by W.F. Baird & Associates for shoreline protection at Gibraltar Point consists of a nearshore reef, a groyne at the west end of Manitou Beach, and an adaptive sand management program. Remedial works at Gibraltar Point began with the first phase which involved the construction of a nearshore reef and groyne (TRCA contract #10007876). The reef and groyne were designed to mimic natural coastal features and improve aquatic habitat in the nearshore area. While these works were completed as prescribed in 2020, the approved design for shoreline protection also included an adaptive sand management program and creation of sand dune habitat along the beach.

This current phase of the project involves the addition of 25,000 m³ or 55,000 Tonnes of sand placed in the nearshore area to nourish both the restored beach dune and Hanlan's beach. The sand dune creation will restore the historic sensitive dune beach habitats lost due to erosion over the last few decades. The proposed dune will be constructed to encourage coastal processes such as sand deposition and movement by wind along the dune and the establishment of a natural dune vegetation community. Gibraltar Point will remain a highly dynamic system which will require ongoing beach nourishment to replace the lost natural process of sand deposition on the Toronto Islands.

TRCA staff worked with W.F. Baird & Associates to develop this current sand addition project to be the first step in the long term adaptive management plan for Gibraltar Point and Hanlan's beach. A monitoring program will inform additional sand replenishment requirements in the future and will also detail maintenance and repair requirements for the reef and groyne structures.

With the completion of the submerged reef and groyne structures, staff now require the placement of 25,000 m³ or 55,000 Tonnes of sand within the nearshore area as the final component of the Gibraltar Point Erosion Control Project. Given the remote nature of the Toronto Islands, and the limited access to the site by trucks, this volume of material requires the use of barges and water-based operations. TRCA work crews will receive the sand material as well as undertake the final contouring, restoration and planting of the sand dune and nearshore habitat.

RATIONALE

A Request for Tender (RFT) submission for the supply and delivery of material of beach sand was publicly advertised on the electronic procurement website www.biddingo.com on May 10th, 2021.

An optional bidders meeting was held on May 12, 2021. One (1) addendum was issued to respond to questions received. The RFT closed on May 25, 2021.

The Procurement Opening Committee opened the Tenders on May 26, 2021 at 12:00 pm. Two bidders submitted bids with the following results:

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RFT # 10036007

Gibraltar Point Erosion Control Project – Sand delivery and placement.

Bidders	Supply and Delivery of Medium-Coarse Sand (0.5mm - 2mm)	Supply and Delivery of Fine Sand (0.1mm - 0.25mm)	Total Cost (excluding HST)
H.R Doorenkemp Construction Ltd.	\$772,640	\$1,641,860	\$2,414,500
Galcon Marine Ltd.	\$920,480	\$1,939,190	\$2,859,670

TRCA staff reviewed the lowest bid received from H.R Doorenkemp Construction Ltd. against TRCA's 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 RFT No. 10036007 be awarded to H.R Doorenkemp Construction Ltd. at a total cost not to exceed \$2,414,500, 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 strategy set forth in the TRCA 2013-2022 Strategic Plan:

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

Strategy 3 – Rethink greenspace to maximize its value

Strategy 7 – Build partnerships and new business models

FINANCIAL DETAILS

The total cost of this project is \$4 million and the project will be implemented over two years. Funding is available in the Toronto Capital Budget in account 151-01.

DETAILS OF WORK TO BE DONE

Work is anticipated to begin in July 2021. TRCA staff will work with the successful bidder and City of Toronto to coordinate daily deliveries. Signage will be posted to inform the public of the details of this project.

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Date: May 28, 2021

Attachments: 1

Attachment 1: Project Area Map