

Section II – Items for Executive Action

TO: Chair and Members of the Executive Committee
Friday, June 10, 2022 Meeting

FROM: Anil Wijesooriya, Director, Restoration and Infrastructure

RE: **REQUEST FOR PROPOSAL FOR DETAILED DESIGNS FOR COLONEL SAMUEL SMITH PARK, CITY OF TORONTO**
RFP No. 10037151

KEY ISSUE

Award of Request for Proposal (RFP) No. 10037151 to retain a coastal engineer to develop detailed designs for a multi-phased project to undertake major maintenance on existing erosion control structures throughout Colonel Samuel Smith Park in the City of Toronto.

RECOMMENDATION:

WHEREAS Toronto and Region Conservation Authority (TRCA) is engaged in a project that requires major maintenance works associated with fifteen shoreline erosion control structures within Colonel Samuel Smith Park;

AND WHEREAS TRCA solicited proposals for through a publicly advertised process and evaluated the proposals based on the pre-established criteria;

THEREFORE, LET IT BE RESOLVED THAT Request for Proposal (RFP) No. 10037151 for Detail Designs for Colonel Samuel Smith Park Major Maintenance Project be awarded to W.F. Baird and Associates Coastal Engineers Ltd. at a total cost not to exceed \$290,557.00, plus applicable taxes, to be expended as authorized by TRCA staff;

THAT TRCA staff be authorized to approve additional expenditures to a maximum of \$29,056 (approximately 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 proponent, staff be authorized to enter into and conclude contract negotiations with other Proponents that submitted proposals, beginning with the next highest ranked Proponent 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

Colonel Samuel Smith Park consists of a man-made peninsula that extends out into Lake Ontario in Etobicoke. The park was constructed in the late 1980s to provide erosion protection to the shoreline, as well as provide additional recreational and ecological function to the area. Walking trails and viewpoints were also created to provide local amenities for the community and park users. See **Attachment 1** for a map of the project area.

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In fall 2016, Riggs Engineering Limited (Riggs) was retained by TRCA to provide coastal engineering support to undertake an assessment of the western waterfront to prioritize work on existing erosion control structures. The assessment consisted of seventy-three shoreline erosion control structures between Marie Curtis Park in the west to the western extent of Ontario Place in the east. The ranking system of the assessment was based on structure condition, adjacent land-use function, environmental factors, and planning impact factors.

Colonel Samuel Smith Park was ranked 6th in overall priority for repair. Since this report, the higher priority areas have already been addressed through developing detailed designs or through implementation. Riggs identified that 12 of the 19 structures should be considered for major maintenance. Since this assessment, the Lake Ontario shoreline along Colonel Samuel Smith Park has experienced erosion during the recent high lake level events in 2017 and 2019 and the windstorm event in April 2018. Subsequent damage has further impacted 3 additional structures leading to a total of 15 being included in this contract. The high-water events and wave action has caused erosion, stone displacement and scouring to the erosion control structures, which is causing erosion along the existing trails and beaches within the park. **Attachment 2** contains some photos of the erosion.

Colonel Samuel Smith Park is a large waterfront park that provides important recreational features for public enjoyment, as well as maintaining essential ecological habitat and robust protection of the City of Toronto shoreline. The park contains over 2kms of protected engineered shoreline that is currently in need of repair. The designs developed through this contract will be integral to preserving and maintaining these features for many years to come.

RATIONALE

An RFP for detailed designs from coastal engineers was posted on the public procurement website www.biddingo.com on March 4, 2022 and closed on April 14, 2022 at 11:00 AM.

One (1) addendum was issued on March 10, 2022 to extend the proposal submission date. The original submission date was extended by two weeks from March 31, 2022 to April 14, 2022.

A total of fifteen (15) companies downloaded the RFP documents and two (2) proposals were received from the following Proponent(s):

- W. F. Baird and Associates Coastal Engineers Ltd.
- WSP Canada Inc.

An Evaluation Committee comprised of Erosion Risk Management Business Unit staff reviewed the proposals. The criteria used to evaluate and select the recommended Proponent included the following:

Criteria	Weighted Score	Minimum Score
Proponent's Information and Profile	10	-
Key Personnel	15	-
Experience and Qualifications	10	-
Scope of Work	15	-
Proposed Work Plan	35	-
Sub-Total	85	50
Pricing	15	-
Total Points	100	-

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W.F. Baird and Associates Coastal Engineers Ltd. ranked the highest of all proponents in the total weighted score and demonstrated a strong understanding of the key project components, particularly by recognizing the unique opportunity to address multiple erosion control sites simultaneously to achieve long-term erosion protection that also complements the existing park.

Therefore, it is recommended that contract No. 10037151 be awarded to W. F. Baird and Associates Coastal Engineers Ltd. at a total cost not to exceed **\$290,557**, plus **10%** contingency, plus applicable taxes, it being the highest ranked Proponent meeting TRCA specifications. Proponent's scores and staff analysis of the evaluation results can be provided in an in-camera presentation, upon request.

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 7 – Build partnerships and new business models

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

DETAILS OF WORK TO BE DONE

The key deliverables and project schedule are outlined below:

- Baseline Data Collection – January – May 2022
- Coastal Assessment – June 2022
- Develop Conceptual Designs and Identify Priority Phase – July 2022
- High Priority Detailed Designs – October 2022
- Low Priority Detailed Designs – December 2022
- Implementation of High Priority Phase – Q1 2023
- Implementation of Low Priority Phase – 2024

FINANCIAL DETAILS

Funds for the contract are identified in the 2022 Capital Budget for the City of Toronto Waterfront Major Maintenance Program, tracked under the master account 241-01. The cost of executing this contract, including all staff time and associated costs to manage the project, is being tracked under the child account 241-05.

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Attachments: 2

Attachment 1: Site Map – Colonel Samuel Smith Park

Attachment 2: Photos – Colonel Samuel Smith Park