

Section I – Items for Board of Directors Action

TO: Chair and Members of the Executive Committee
Friday, February 3, 2023 Meeting

FROM: Anil Wijesooriya, Director, Restoration and Infrastructure

RE: **REQUEST FOR TENDER FOR SUPPLY AND DELIVERY OF VARIOUS AGGREGATES TO BLUFFER'S SW HEADLAND (PHASE 3)**
RFT No. 10038870, 10038871, 10038872, 10038873, 10038874, 10038875, 10038876, 10038877

KEY ISSUE

1. Award of Request for Tender (RFT) No. 10038870 - Supply and Delivery of 800 Tonnes of 0.5 – 1 Tonne Armourstone.
2. Award of Request for Tender (RFT) No. 10038871 - Supply and Delivery of 4,400 Tonnes of 225 – 450mm rip rap.
3. Award of Request for Tender (RFT) No. 10038872 - Supply and Delivery of 2,300 Tonnes of 2 – 4 Tonne Stackable Armourstone.
4. Award of Request for Tender (RFT) No. 10038873 - Supply and Delivery of 1,200 Tonnes of 2 – 4 Tonne Non-Stackable Armourstone.
5. Award of Request for Tender (RFT) No. 10038874 - Supply and Delivery of 2,700 Tonnes of 3 – 5 Tonne Non-Stackable Armourstone.
6. Award of Request for Tender (RFT) No. 10038875 - Supply and Delivery of 1,400 Tonnes of 4 – 6 Tonne Stackable Armourstone.
7. Award of Request for Tender (RFT) No. 10038876 - Supply and Delivery of 7,000 Tonnes of 4 – 6 Tonne Non-Stackable Armourstone.
8. Award of Request for Tender (RFT) No. 10038877 - Supply and Delivery of 10,800 Tonnes of 5 – 7 Tonne Non-Stackable Armourstone.

RECOMMENDATION:

WHEREAS Toronto and Region Conservation Authority (TRCA) is engaged in a project that requires supply and delivery of various aggregates;

AND WHEREAS TRCA solicited tenders through a publicly advertised process;

THEREFORE, THE EXECUTIVE COMMITTEE RECOMMENDS THAT Request for Tender (RFT) No. 10038870 for Supply and Delivery of 800 Tonnes of 0.5 – 1 Tonne Armourstone be awarded to Glenn Windrem Trucking at a total cost not to exceed \$50,800 plus applicable taxes, to be expended as authorized by TRCA staff;

THAT TRCA staff be authorized to approve additional expenditures to a maximum of \$5,080 (approximately 10% of the project cost), plus applicable taxes, in excess of the contract cost as a contingency allowance if deemed necessary;

THAT RFT No. 10038871 for Supply and Delivery of 4,400 Tonnes of 225 – 450mm rip rap be awarded to Glenn Windrem Trucking at a total cost not to exceed \$191,400 plus applicable taxes, to be expended as authorized by TRCA staff;

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THAT TRCA staff be authorized to approve additional expenditures to a maximum of \$19,140 (approximately 10% of the project cost), plus applicable taxes, in excess of the contract cost as a contingency allowance if deemed necessary;

THAT RFT No. 10038872 for Supply and Delivery of 2,300 Tonnes of 2 – 4 Tonne Stackable Armourstone be awarded to Gott Natural Stone '99 Inc. at a total cost not to exceed \$208,564 plus applicable taxes, to be expended as authorized by TRCA staff;

THAT TRCA staff be authorized to approve additional expenditures to a maximum of \$20,856 (approximately 10% of the project cost), plus applicable taxes, in excess of the contract cost as a contingency allowance if deemed necessary;

THAT RFT No. 10038873 for Supply and Delivery of 1,200 Tonnes of 2 – 4 Tonne Non-Stackable Armourstone be awarded to Gott Natural Stone '99 Inc. at a total cost not to exceed \$108,816 plus applicable taxes, to be expended as authorized by TRCA staff;

THAT TRCA staff be authorized to approve additional expenditures to a maximum of \$10,882 (approximately 10% of the project cost), plus applicable taxes, in excess of the contract cost as a contingency allowance if deemed necessary;

THAT RFT No. 10038874 for Supply and Delivery of 2,700 Tonnes of 3 – 5 Tonne Non-Stackable Armourstone be awarded to Glenn Windrem Trucking at a total cost not to exceed \$228,420 plus applicable taxes, to be expended as authorized by TRCA staff;

THAT TRCA staff be authorized to approve additional expenditures to a maximum of \$22,842 (approximately 10% of the project cost), plus applicable taxes, in excess of the contract cost as a contingency allowance if deemed necessary;

THAT RFT No. 10038875 for Supply and Delivery of 1,400 Tonnes of 4 – 6 Tonne Stackable Armourstone be awarded to Gott Natural Stone '99 Inc. at a total cost not to exceed \$126,952 plus applicable taxes, to be expended as authorized by TRCA staff;

THAT TRCA staff be authorized to approve additional expenditures to a maximum of \$12,695 (approximately 10% of the project cost), plus applicable taxes, in excess of the contract cost as a contingency allowance if deemed necessary;

THAT RFT No. 10038876 for Supply and Delivery of 7,000 Tonnes of 4 – 6 Tonne Non-Stackable Armourstone be awarded to Glenn Windrem Trucking at a total cost not to exceed \$592,200 plus applicable taxes, to be expended as authorized by TRCA staff;

THAT TRCA staff be authorized to approve additional expenditures to a maximum of \$59,220 (approximately 10% of the project cost), plus applicable taxes, in excess of the contract cost as a contingency allowance if deemed necessary;

THAT RFT No. 10038877 for Supply and Delivery of 10,800 Tonnes of 5 – 7 Tonne Non-Stackable Armourstone be awarded to Glenn Windrem Trucking at a total cost not to exceed \$913,680 plus applicable taxes, to be expended as authorized by TRCA staff;

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THAT TRCA staff be authorized to approve additional expenditures to a maximum of \$91,368 (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 bidders, staff be authorized to enter into and conclude contract negotiations with other bidders 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

Bluffer's Park was built in the 1970's 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. The structures within the Bluffer's Park Southwest Headland and Beach Major Maintenance Project have been monitored annually by TRCA's Erosion Risk Management Program since 2006. Based on TRCA monitoring records, the southwest headland and adjacent beach within the project area in Bluffer's Park had been in poor condition and recommended for major maintenance since 2009.

A Shoreline Conditions Review undertaken by Shoreplan Engineering in 2010 stated that the instability of the headland was likely caused by a combination of toe instability, lack of consistent double layer placement of armourstone in various areas, lack of sufficient filter layering below the primary armourstone, an over steepened structure slope, and wave overtopping. Preliminary solutions identified were modification of the existing structure or a complete rebuild utilizing existing material when possible and supplementing with new material as required. In 2016, TRCA undertook interim maintenance works, also known as Phase I of the Project, to improve headland stability until a permanent solution could be implemented.

During the same Shoreline Conditions Review, it was determined that erosion of sand material along the over-steepened portion of the bank is resulting from a lack of coarse material to provide stability and an appropriate beach width to dissipate waves before reaching the back portion of the bank.

Shoreplan Engineering was retained in 2017 under Contract #10002436 to provide detailed design solutions for the headland and beach. The final detailed designs were determined through the Class Environmental Assessment for Remedial Flood and Erosion Projects process. The design solution for the headland involved filling in existing voids and adding a second layer of armourstone protection. The design solution for the beach involved a slight realignment and the addition of cobble material to provide a wider beach profile.

Maintenance works on the beach, also known as Phase II of the Project, were completed in 2018. Phase III maintenance works on the headland, originally scheduled for 2019, were deferred following a severe storm event in April 2018 that caused significant damage to another location within Bluffer's Park. Phase III maintenance works on the headland are now scheduled for May 2023 pending receipt of all permits and approvals required for construction.

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RATIONALE

Request for Tender documents were issued on November 18, 2022, on the public procurement website, www.Biddongo.com. The RFTs closed on December 5, 2022. One addendum was issued to respond to questions received.

A total of eight (8) firms downloaded the documents and submissions were received from the five (5) underlined proponents:

1. CDR Young's Aggregates
2. Construct Connect
3. Doornekamp Construction
4. Dufferin Aggregates
5. Glenn Windrem Trucking
6. Gott Natural Stone '99 Inc.
7. Lafarge Canada
8. Stonescape Quarry

Tenders were opened on December 5, 2022, with the following results:

1. RFT # 10038870 – Supply and Delivery of 800 Tonnes of 0.5 – 1 Tonne Armourstone to Bluffer's SW Headland (Phase 3).

Proponent	Fee (Plus HST)
Glenn Windrem Trucking	\$50,800
Doornekamp Construction	\$61,600
Dufferin Aggregates	\$139,400

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. 10038870 be awarded to Glenn Windrem Trucking at a total cost not to exceed \$50,800, plus 10% contingency, plus applicable taxes, it being the lowest bid meeting TRCA's specifications.

2. RFT # 10038871 – Supply and Delivery of 4,400 Tonnes of 225 – 450mm rip rap to Bluffer's SW Headland (Phase 3).

Proponent	Fee (Plus HST)
Glenn Windrem Trucking	\$191,400
Dufferin Aggregates	\$262,372
Doornekamp Construction	\$290,400

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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. 10038871 be awarded to Glenn Windrem Trucking at a total cost not to exceed \$191,400, plus 10% contingency, plus applicable taxes, it being the lowest bid meeting TRCA's specifications.

3. RFT # 10038872 – Supply and Delivery of 2,300 Tonnes of 2 – 4 Tonne Stackable Armourstone to Bluffer's SW Headland (Phase 3).

Proponent	Fee (Plus HST)
Gott Natural Stone '99 Inc.	\$208,564
Glenn Windrem Trucking	\$225,400
CDR Young's Aggregates	\$246,100

Staff reviewed the bid received from Gott Natural Stone '99 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. 10038872 be awarded to Gott Natural Stone '99 Inc. at a total cost not to exceed \$208,564, plus 10% contingency, plus applicable taxes, it being the lowest bid meeting TRCA's specifications.

4. RFT # 10038873 – Supply and Delivery of 1,200 Tonnes of 2 – 4 Tonne Non-Stackable Armourstone to Bluffer's SW Headland (Phase 3).

Proponent	Fee (Plus HST)
Gott Natural Stone '99 Inc.	\$108,816
Glenn Windrem Trucking	\$112,800
CDR Young's Aggregates	\$128,400
Dufferin Aggregates	\$132,900

Staff reviewed the bid received from Gott Natural Stone '99 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. 10038873 be awarded to Gott Natural Stone '99 Inc. at a total cost not to exceed \$108,816, plus 10% contingency, plus applicable taxes, it being the lowest bid meeting TRCA's specifications.

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5. RFT # 10038874 – Supply and Delivery of 2,700 Tonnes of 3 – 5 Tonne Non-Stackable Armourstone to Bluffer's SW Headland (Phase 3).

Proponent	Fee (Plus HST)
Glenn Windrem Trucking	\$228,420
Gott Natural Stone '99 Inc.	\$244,836
CDR Young's Aggregates	\$288,900

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. 10038874 be awarded to Glenn Windrem Trucking at a total cost not to exceed \$228,420, plus 10% contingency, plus applicable taxes, it being the lowest bid meeting TRCA's specifications.

6. RFT # 10038875 – Supply and Delivery of 1,400 Tonnes of 4 – 6 Tonne Stackable Armourstone to Bluffer's SW Headland (Phase 3).

Proponent	Fee (Plus HST)
Gott Natural Stone '99 Inc.	\$126,952
Glenn Windrem Trucking	\$135,800
CDR Young's Aggregates	\$149,800

Staff reviewed the bid received from Gott Natural Stone '99 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. 10038875 be awarded to Gott Natural Stone '99 Inc. at a total cost not to exceed \$126,952, plus 10% contingency, plus applicable taxes, it being the lowest bid meeting TRCA's specifications.

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7. RFT # 10038876 – Supply and Delivery of 7,000 Tonnes of 4 – 6 Tonne Non-Stackable Armourstone to Bluffer's SW Headland (Phase 3).

Proponent	Fee (Plus HST)
Glenn Windrem Trucking	\$592,200
Gott Natural Stone '99 Inc.	\$634,760
CDR Young's Aggregates	\$749,000

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. 10038876 be awarded to Glenn Windrem Trucking at a total cost not to exceed \$592,200, plus 10% contingency, plus applicable taxes, it being the lowest bid meeting TRCA's specifications.

8. RFT # 10038877 – Supply and Delivery of 10,800 Tonnes of 5 – 7 Tonne Non-Stackable Armourstone to Bluffer's SW Headland (Phase 3).

Proponent	Fee (Plus HST)
Glenn Windrem Trucking	\$913,680
Gott Natural Stone '99 Inc.	\$979,344
CDR Young's Aggregates	\$1,155,600

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. 10038876 be awarded to Glenn Windrem Trucking at a total cost not to exceed \$913,680, plus 10% contingency, plus applicable taxes, it being the lowest bid meeting TRCA's specifications.

A Committee consisted of the consulting engineer and a TRCA site supervisor conducted quarry visits to the lowest 2 bidders of all eight (8) contracts above. The engineer report concluded that all stone materials of Glenn Windrem Trucking quarries and Gott Natural Stone '99 Inc. quarries were suitable for the purpose.

Relationship to TRCA's 2022-2034 Strategic Plan

This report supports the following Pillar and Outcome set forth in TRCA's 2023-2034 Strategic Plan:

Pillar 1 Environmental Protection and Hazard Management:

- 1.1 Deliver provincially mandated services pertaining to flood and erosion hazards

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FINANCIAL DETAILS

The estimated project cost for construction of the Bluffer's Southwest Headland and Beach Major Maintenance Project (Phase III) Project is \$6 million, net of all applicable taxes (\$6.17 million net of HST recoveries).

Funds to support these contracts will be recovered through the service agreement with the City of Toronto and tracked under account code 241-08.

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Date: January 23, 2023

Attachments: 1

Attachment 1 - Key Map of Project Location