

Section I – Items for Authority Action

TO: Chair and Members of the Authority Committee
Meeting #6/18, Friday, July 20, 2018

FROM: Nick Saccone, Senior Director, Restoration and Infrastructure

RE: **EASTERN BEACHES EMERGENCY WORKS**
Contract # 10007978 for the Supply and Delivery of 3-5 Tonne Stackable
Armourstone

KEY ISSUE

Award of Contract #10007978 for armourstone for the Eastern Beaches Emergency Works project.

RECOMMENDATION

THAT Contract #10007978 for the supply and delivery of approximately 5,796 tonnes of 3 - 5 tonne piece stackable armourstone for Eastern Beaches Emergency Works in the City of Toronto, be awarded to Lafarge Canada Inc., subject to receiving City of Toronto funding approval, for a total unit cost of \$75 per tonne and a total cost not to exceed \$434,700, plus HST, it being the lowest bid meeting Toronto and Region Conservation Authority (TRCA) specifications;

THAT TRCA staff be authorized to approve additional expenditures to a maximum of 10% of the total cost of the contract as a contingency allowance, if deemed necessary;

AND FURTHER THAT authorized TRCA officials be directed to take all necessary actions to implement the contract, including the signing and execution of any documents.

BACKGROUND

In spring of 2017 Lake Ontario experienced the highest water levels recorded at any time since 1918. The high lake levels and wave uprush caused shoreline erosion and flooding, and threatened public infrastructure along the Lake Ontario shoreline. The effect of flooding was experienced along the entire length of the City of Toronto's waterfront. Many waterfront parks in Toronto suffered significant shoreline erosion, damage and debris accumulation. Emergency works were undertaken by both City of Toronto and TRCA staff to help protect Toronto shoreline, infrastructure and property. The works were deemed to be emergency works and were completed on a priority basis. The work involved protection of infrastructure including boardwalks, buildings and park amenities, including public safety.

The objective of the 2018 continuation of emergency works is to further address the protection of waterfront infrastructure and public safety through the installation of a beach curb protection and wave breaks to protect the beach and city infrastructure along the Eastern Beaches. As future water levels are unpredictable, the City of Toronto and TRCA are taking a proactive approach to prepare for future high water level conditions in Lake Ontario. Continued work is necessary in order to help protect the City of Toronto shoreline areas and its users.

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As a continuation of the 2017 emergency works additional beach curb protection is planned for 2018. In 2017 approximately 315 metres of beach curb was installed at the Eastern Beaches and in 2018 the installation of approximately 850 metres of beach curb is planned to help protect the boardwalk and building infrastructure from high water and wave action. The beach curb will be constructed of armourstone and rip-rap as per engineered specifications.

RATIONALE

The Request for Tender (RFT) #10007978 was publically advertised on the electronic procurement website www.biddingo.com on April 27, 2018 for the supply and delivery of 3 - 5 tonne piece stackable armourstone. The document was downloaded for review by 11 vendors.

The Quotations were received on May 18, 2018 and formally opened by TRCA staff (Lisa Moore, Leena Eappen and Danielle Dellandrea) on the same day with the following results:

Bidders	Unit Price per Tonne (Includes delivery)	Total Approximately 5,796 tonnes (Plus HST)
Lafarge Canada Inc.	\$75	\$434,700
Atlantis Marine Construction Canada Inc.	\$79	\$457,884
Glen Windrem Trucking	\$84	\$ 486,284

The three bids received were evaluated and scored based on the bidder's price and it has been determined that the lowest bid is of reasonable value and also meets the requirements and deliverables as outlines on the contract documents. Lafarge Canada Inc. is capable of undertaking the scope of work.

Based on the bids received, staff recommend that Lafarge Canada Inc. be awarded Contract #10007978, subject to receiving City of Toronto funding approval, for the supply and delivery of approximately 5,796 tonnes of 3-5 stackable armourstone for a unit cost of \$75 per tonne and a total cost not to exceed \$434,700 plus 10% contingency to be expended as authorized by TRCA staff, plus HST.

This project is in line with TRCA's 10 Year Strategic Plan # 2 'Manage our regional water resources for current and future generations' and Strategic Plan # 3 'Rethink greenspace to maximize its value' as the Eastern Beaches Emergency Works will reduce flood risks through the protection of city infrastructure and shoreline from future high water levels and wave action, as well as strengthen TRCA's partnership with the City of Toronto.

FINANCIAL DETAILS

Subject to City of Toronto approval of the project, funding will be available from the City of Toronto via account 251-21.

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TRCA will execute the contract, including: management of the awarded supply and delivery contractor on site.

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