

Municipality of Lakeshore – Report to Council

Operations

Capital Projects



To: Mayor & Members of Council

From: Wayne Ormshaw, Division Leader – Capital Projects

Date: April 18, 2024

Subject: RFP Award for Professional Services for Watermain Replacements on Tellier Road, Riverside Road and Deerbrook Drive

Recommendation

Award the Request for Proposal for Professional Services for Watermain Replacements on Tellier Road, Riverside Road and Deerbrook Drive to LEA Consulting Ltd in the amount of \$245,698.51, including applicable HST; and

Approve an overage of \$47,106.51, including applicable HST be funded from the water reserve account, as presented at the May 28, 2024 Council meeting.

Strategic Objectives

The strategic objective related to this item is:

1a) Building and Stewarding Municipal Infrastructure - Update Asset Management Plan

Background

Tellier Road, Riverside Road and Deerbrook Drive are private roads with municipal water infrastructure, providing municipal potable water servicing to the residents and businesses who reside on these private roadways.

This project was approved in the 2023 budget and is being completed as part of our ongoing commitment to the review and improvement of our infrastructure network, and in line with the identified 5-year plan in support of Asset Management Planning.

The existing watermain was installed between 1962 and 1963 and consists of a 150mm diameter cast iron pipe on Tellier Road and Deerbrook Drive and a 100mm diameter cast iron pipe on Riverside Road. It is anticipated that the new watermain that will be installed will be similar in diameter as existing, however the Engineer for the project shall be responsible for the design and analysis in line with the system requirements and the long-range planning needs.

As part of the project implementation, a process will be developed to ensure easements are in place and infrastructure is protected within these private road allowances. If easements/rights are not in place, these will be obtained, as required. Any costs associated with this process will be brought back to Council, if necessary.

Comments

The RFP for the Professional Services for Watermain Replacements at Tellier Road, Riverside Road and Deerbrook Drive was posted through the Lakeshore online Bids and Tenders system.

The RFP was posted on Friday March 15, 2024 and closed on Thursday April 4, 2024 with one compliant bidder, LEA Consulting Ltd.

In addition to the standard design and tender services for watermain replacement, potential options for two additional design items were included as part of the scope for the design and therefor, the RFP included the below two provisional items:

- Provisional Item 1: The replacement of the 150mm cast iron watermain section between Deerbrook Drive and Rushton Drive below the canals and via rail track; and
- Provisional Item 2: A new connection loop to Surf Club Drive, St. Clair Road and Rochester Townline Road to optimize the operation of the system.

The standard design scope of work items completed under the RFP includes a canal crossing between Tellier Road and Riverside Road. The construction of this work will likely require specialist soil boring equipment completed from each side of the canal providing a low environmental impact and rapid construction method. Similar construction technologies are expected to be used for Provisional Item 1. The below summarizes the received proposals:

Vendor	Total tender Amounts (excluding HST)	Total tender Amount (including applicable HST)
LEA Consulting Ltd	\$194,414.00	\$197,835.69
Total Base Bid for the Design and Tender	\$194,414.00	\$197,835.69
Provisional Item 1	\$47,035.00	\$47,862.82
Provisional Item 2	\$47,720.00	\$48,559.87
Total Provisional Items	\$94,755.00	\$96,422.69
Total	\$289,169.00	\$294,258.38

When only one bid is received, the Purchasing By-law 58-2010 permits it to be opened and evaluated in accordance with the municipality's usual procedures when, in the opinion of the Department Head and Purchasing Coordinator, the bid should be

considered. If the bid is found to be acceptable, it may be awarded as an irregular result. Council approval is required to approve irregular results greater in value than \$45,800.

The Corporate Leader – Operations and the Purchasing Specialist were of the opinion that the bid should be considered.

Administration has reviewed the submitted documents and has found them to be complete and the vendor is able to complete the work in line the requirements of the RFP for the design and tender of the Tellier Road, Riverside Road and Deerbrook Drive watermain replacement.

Permits and Geotechnical works are also required as part of this project related to the detailed design component and have been included in the financial impacts below for budgeting purposes.

Financial Impacts

Due to the total bid value exceeding the approved 2023 budget for this project, it is not feasible to complete both provisional items in addition to the base bid items at this time. However, given the age of the watermain section within the scope of Provisional Item 1 and the complexities involved in designing and obtaining permits for construction below canals and railways, Administration recommends completing Provisional Item 1 as part of this project. This approach is based on the timing needed to obtain permits and the cost efficiencies of similar designs, allowing both canal crossings to be included under one tender-ready design. Based on the above, the following is a summary of the financial impacts to complete the project for the Professional Services for Watermain Replacements at Tellier Road, Riverside Road and Deerbrook Drive:

Item	Total tender Amount (excluding HST)	Total tender Amount (including applicable HST)
LEA Consulting Ltd	\$194,414.00	\$197,835.69
Provisional Item 1	\$47,035.00	\$47,862.82
Total Tender	\$241,449.00	\$245,698.51
Additional Estimated Costs		
Permits	\$5,000.00	\$5,088.00
Geotechnical	\$75,000.00	\$76,320.00
Total	\$321,449.00	\$327,106.51
2023 Budget		\$280,000.00
Difference (over)/under		(\$47,106.51)

It is recommended that the additional \$47,106.51 be funded from the Water Reserves account.

Report Approval Details

Document Title:	Professional Services for Watermain Replacements - Tellier, Riverside and Deerbrook Drive.docx
Attachments:	
Final Approval Date:	May 17, 2024

This report and all of its attachments were approved and signed as outlined below:

Prepared by Wayne Ormshaw

Submitted by Krystal Kalbol

Approved by the Corporate Leadership Team