



Subject: Project No.: 2021-17 RFP Erie Street Watermain Replacement

To: Council

From: Public Works Department

Report Number: 2021-158

Meeting Date: June 14, 2021

Recommendation:

That Council award the Project for the Design of Replacing Watermain on Erie Street to Associated Engineering Ltd. (the Consultant), for the amount of \$118,210.00, plus applicable taxes;

That a provisional item of \$100,034.00 for Contract Administration and Inspection be awarded on a later date at the discretion of the Director of Public Works, and be approved for use, if necessary, to supplement City staff resources;

That staff prepare the Contract By-law, and the City Clerk and Mayor be authorized to execute the Contract Agreement; and

That the funding for the Project be financed under Account 20C-PW-L43.

Purpose:

The purpose of this report is to inform Council of the results of the RFP proceedings for the Design of Replacing Watermain on Erie Street (the Project); and further to obtain approval from Council to award the Project to the recommended Consultant.

Background:

Erie Street is located on the west side of the Welland Canal, in the urban area of Port Colborne. The streetscape features stone shoulders and a sidewalk on one side of the street with no curbing. There are approximately 50 homes with lateral connections within the project limits.

The proposed watermain replacement along Erie Street spans from Killaly Street West to Neff Street as shown in the drawing attached to this report. The replacement spans 755 metres and is mainly residential homes with water service connections. The existing watermain is a 150mm diameter cast iron (CI) watermain located on the east side of the road. This section of watermain has recorded 17 watermain break since 2012, including three (3) in 2021.

The scope of work for the Consultant is to encompass all aspects of the design and tendering for the replacement of the existing watermain. The Municipal servicing, being Water Supply and Distribution, and all necessary connection details required to construct and connect the replacement of watermain to the current City of Port Colborne infrastructure, in compliance with the City's Municipal Drinking Water License (MDWL), Drinking Water Works Permit (DWWP) and Drinking Water Quality Management System (DWQMS).

The Consultant proposal is to develop alternative alignments that would render the most efficient and cost-effective solution in light of the presence of shallow bedrock. Thus, consideration to replace watermain in the same trench location to save cost of rock excavation. The latter will require temporary watermain and water services connection during construction.

It is expected to complete the Design and Tender process in September 2021. Construction will take about three months including transfer of all water service connections to the new watermain.

Discussion:

The RFP was advertised on the City website and on Biddingo.com. There were 7 registered Plan Takers. On May 31, at the time of RFP closing, 2 Proponents had submitted. The entire proposal process and opening proceedings adhered to policies and past practices as previously adopted and endorsed by Council.

The proposal submission required:

- A Technical Proposal to demonstrate qualifications and experience in the field of designing water distribution systems,
- The completion of a project of this nature in the last 5 years for a municipality or jurisdiction of comparable (or greater) population in Ontario,
- Letters of reference (at least 3) of similar work experience,
- Proposed Methodology, detailed work plan, project schedule, consultant team description, identification of sub-consultants, disclosure of perceived conflict of interest and time task matrix.

The proposals were scored by three members of the Evaluation Committee. The criteria for selecting and rating the successful proponent are scored from 1-10 and multiplied by the weighted points:

Criteria	Weighting/ Points Available
1. Project Management Team	15
2. Team Strength and Technical Skills	15
3. Similar Work Experience and Local Expertise	15
4. Project Understanding, WP, Methodology	20
5. Reference Check	5
6. Financial Proposal (Cost)	30
Total Points Available:	100%

Associated Engineering gained the highest points of 90.6 after adding scores for both the technical and financial proposal.

Following is the summary of the evaluation and cost submission:

Proponent	Points	Detail Design and Tendering	Contract Administration and Inspection	Total
Urban Environmental Engineering	80.8	\$94,912.95	\$75,080.00	\$169,992.95
Associated Engineering Ltd.	90.6	\$118,210.00	\$100,034.00	\$218,244.00

Internal Consultations:

The Operations Division through the Manager of Water and Wastewater identified the issue and concern as it relates to the high frequency of watermain breaks. A high-level risk assessment was conducted as to the impact and condition of the existing sanitary infrastructure which was built in 1965. CCTV review reveals the pipe to be in excellent condition. Thus, the recommendation is to defer the sanitary replacement and focus City resources with the replacement of watermain.

Further consultation through the Manager of Parks and Road Operations, recommended Erie Street as a candidate for road resurfacing for 2022.

In summary, the strategy is to meet the urgent need to procure in 2021, RFP for Watermain Design and an RFT for the construction and replacement of the existing watermain.

Financial Implications:

Funding is available under Account 20C-PW-L43 in the amount of \$437,000. The Upset Limit of the Project (including the Provisional Item) is \$218,244 and is within the available budget allocation.

Public Engagement:

There will be public engagement and notification during the design phase and prior to start of construction. Thus, soliciting feedback and mitigate concerns during construction.

Conclusion:

Council approval for the replacement of the watermain will negate future watermain breaks and disruption, thus enhancing the quality of using City servicing.

Council to accept the staff recommendation to award the Project to Associated Engineering Ltd., for Public Works to commence and complete the Project in 2021.

Appendices:

- a. PDF Drawing: 2021-17 Sketch Existing Municipal Servicing

Respectfully submitted,

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Report Approval:

All reports reviewed and approved by the Department Director and also the City Treasurer when relevant. Final approval is by the Chief Administrative Officer.