

Report to Civic Works Committee

To: Chair and Members
Civic Works Committee

From: Kelly Scherr, P.Eng., MBA, FEC, Deputy City Manager,
Environment & Infrastructure

Subject: Appointment of Consulting Engineers for Contract
Administration Services and Temporary Easement
Agreement with the University of Western Ontario: Huron
Street Watermain Remediation

Date: May 10, 2022

Recommendation

That on the recommendation of the Deputy City Manager, Environment & Infrastructure, the following actions **BE TAKEN** with respect to the Huron Street Watermain Remediation Project (EW3580):

- a) Stantec Consulting Ltd., 600 – 171 Queens Avenue, London, Ontario, N6A 5J7, **BE AUTHORIZED** to complete the contract administration, construction supervision and environmental monitoring required for this project as well as additional engineering activities, all in accordance with the estimate on file, at an upset amount of \$172,506.40, including contingencies and excluding HST, and in accordance with Section 15.2 (g) of the City of London's Procurement of Goods and Services Policy;
- b) the City **BE AUTHORIZED** to enter into a temporary easement agreement with the University of Western Ontario in a form to be approved by the City Solicitor's Office;
- c) the financing for the project **BE APPROVED** in accordance with the "Sources of Financing Report" attached hereto as Appendix A;
- d) the Civic Administration **BE AUTHORIZED** to undertake all the administrative acts that are necessary in connection with this project;
- e) the approvals given, herein, **BE CONDITIONAL** upon the Corporation entering into a formal contract with the consultant for the work;
- f) the approvals given herein **BE CONDITIONAL** upon the Corporation entering into a formal contract; and,
- g) the Mayor and City Clerk **BE AUTHORIZED** to execute any contract or other documents, if required, to give effect to these recommendations.

Executive Summary

Purpose

This report recommends that the existing engineering agreement with Stantec Consulting Ltd. (Stantec) be extended to include contract administration, construction supervision and additional engineering activities required for the project. It is also recommended that the City enter into a temporary easement agreement with the University of Western Ontario (UWO).

The low bid for the construction contract resulting from the tendering process RFT 2022-059 Huron Watermain Remediation has been awarded administratively.

Context

In 2009, a 600mm watermain underneath the Thames River between Huron Street and Philip Aziz Avenue became compromised due to river erosion. Stantec was engaged in 2009 to design emergency repairs. During the subsequent years, Stantec was awarded engineering assignments to complete an Environmental Assessment, and subsequently the preliminary design, detailed design, and construction administration and supervision of a replacement of the watermain river crossing at the same location. As a result of the history and knowledge on this project, engaging Stantec to undertake the contract administration and supervision represents the best value to the City.

Linkage to the Corporate Strategic Plan

The following report supports the Strategic Plan through the strategic focus area of Building a Sustainable City by maintaining safe and reliable water supply for water users in the City of London. This report supports the Strategic Plan in the following areas:

- Building a Sustainable City:
 - Infrastructure is built, maintained, and operated to meet the long-term needs of our community.

Analysis

1.0 Background Information

1.1 Previous Reports Related to this Matter

- Civic Works committee – January 10, 2017 – Engineering Fees Contract Amendment: Huron Street Watermain River Crossing Project No. EW3580
- Civic Works Committee – October 1, 2012 – Huron Street Watermain Replacement Municipal Class Environmental Assessment (EW3580)

2.0 Discussion and Considerations

2.1 Work Description

The Huron Street Watermain Remediation Project involves the removal of an abandoned 600mm concrete watermain and an existing watermain drain chamber which were abandoned due to erosion of the section of the Thames River. The watermain removal is expected to start in July 2022 and anticipated to be completed by fall 2022. Mussel relocation of Species at Risk (SAR) species will take place ahead of the construction project.

The scope of work includes:

- Installation and use of an aquadam to dam the east part of the river for the work.
- Removal of approximately 60m of abandoned 600mm concrete watermain along the east side of the Thames River.
- Removal of an existing drain valve chamber in the east bank.
- Removal of approximately 40m of abandoned 600mm concrete watermain in the east bank.

The work limits include the closed Huron Street Road allowance as well as lands owned by UWO. The watermain and drain chamber are located with the closed Huron Street right of way, however, access and space for staging on UWO lands is required. As a result, it is recommended that the City enters into a temporary easement agreement with UWO to complete the project.

Construction of this tendered project is anticipated to start July 2022 and anticipated to be completed by fall 2022.

3.0 Financial Impact/Considerations

3.1 Consulting Engineering Services

Stantec Consulting Ltd. (Stantec) was appointed the consulting engineer for the Huron Street Watermain Replacement Class EA and Preliminary Design of the Huron Street Watermain Remediation Project by Council on May 2, 2011. With the consultant's knowledge and performance during the preliminary and detailed design phase of the project, the consultant was invited to submit a proposal to conduct the contract administration, construction supervision and additional engineering activities associated with this final phase. Stantec's work plan also includes:

- Environmental work associated with the construction project
 - in water works including mussel relocation,
 - turtle rescue (as required) and fish rescue,
 - additional environmental monitoring by specialized staff, and,
 - obtaining of collection permits and liaising with approval agencies.
- Post Construction Environmental Monitoring including
 - Fall 2022 post-construction monitoring of relocated mussels and provision of reporting.
 - 2023 and 2024 post construction monitoring including permits, field assessment, and reporting.

City Staff have reviewed the fee submission, including the time allocated to each project task, along with hourly rates provided by each of the consultant's staff members. The review of assigned personnel and hourly rates for various activities are in alignment with the original competitive procurement and with other infrastructure assignments.

The continued use of Stantec on this project for construction administration phase is of financial advantage to the City because the firm has specific knowledge of the project and has undertaken work for which duplication would be required if another firm were to be selected. The City's requirement for the creation of record drawings following construction requires the reviewing professional engineer to seal the drawings based on field verification and ongoing involvement. This requirement promotes consultant accountability for the design. In accordance with Section 15.2(g) of the Procurement of Goods and Services Policy, Civic Administration is recommending that Stantec be authorized to conduct the remainder of engineering services, as contract administrators.

3.2 Capital Funding

The approved budget for this project is EW3580 Huron Watermain Remediation. Sufficient funding for the work is available within the previously approved budget for both the consulting fees and the construction contract. Funding sources are identified in the Source of Financing Report, attached as Appendix A.

3.3 Operating Costs

There will be no change in operating costs once the work is completed.

Conclusion

It is recommended that the City enter into a temporary easement agreement with UWO, and it is also recommended that Stantec Consulting Limited be authorized to carry out the construction administration, coordination, and environmental monitoring to complete this project in accordance with Section 15.2 (g) of the City of London's Procurement of Goods and Services Policy.

Prepared by: Patricia Lupton, P.Eng., Acting Division Manager,
Water Engineering

Submitted by: Aaron Rozentals, P.Eng., GDPA, Acting Director,
Water, Wastewater, and Stormwater

Recommended by: Kelly Scherr, P. Eng., MBA, FEC
Deputy City Manager, Environment and Infrastructure

Attach: Appendix "A" – Sources of Financing
Appendix "B" – Location Map

CC: John Simon, Manager, Water Operations
Scott Koshowski – Environmental Services Engineer, Water Operations
John Freeman – Manager, Purchasing & Supply
Sarah Denomy – Manager, Purchasing & Supply
Elaine Nickerson – Procurement Officer, Purchasing & Supply
Gary McDonald – Budget Analyst, Finance & Corporate Services
Jeff Paul, P.Eng. – Stantec Consulting Ltd.
Simon Jeater, C.Tech. – Stantec Consulting Ltd.
Alan Dunbar - Manager, Financial Planning & Policy
Jason Davies - Manager, Financial Planning & Policy
Patricia Lupton, Christina Liu