



Report to Council

Department: Infrastructure Services

Division: Infrastructure Services

Date: March 1, 2021

Prepared by: Kevin Girard, P.Eng, MBA
Director, Infrastructure Services

Report Number: Infrastructure Services-2021-02

Subject: Engineering Services for Ward 1 Storm Improvements

Number of Pages: 5 (plus 2 appended)

Recommendation(s)

That Infrastructure Services – 2021-02 entitled, “Engineering Services for Ward 1 Storm Improvements” prepared by Kevin Girard, Director of Infrastructure Services dated March 1, 2021 be received, and

That Council appoint Stantec Consulting Ltd. to provide engineering services in the amount of \$642,919.68 (including non-refundable HST) to design, assist in procurement, and administer project PW-19-0064 – Ward 1 Storm Improvements in accordance with the completed request under Section 22 of the Town of Essex Procurement By-law 1043.

Purpose

In accordance with the Town Procurement By-Law Number 1043, Council approval is required to waive the requirements for proposals, tenders and quotations for consulting and professional services under Section 22.02 of the procurement and disposal of goods and services policy.

Background and Discussion

In coordination with the adoption of the Ward 1 Southwest Area Stormwater Improvements Environmental Assessment (EA) and the Infrastructure Services – 2021-03 Council report, this report is to initiate the works under Phase 1 of the EA, the reconstruction of the Brien Avenue West Storm Trunk Sewer.

In 2018, the Town was successful in obtaining funding from the National Disaster Mitigation Program (NDMP) Intake 4 to complete the Southwest Area Stormwater EA along with Phase 1 of the proposed study. The original grant application required that all projects were to be completed by March 2020, but due to the COVID-19 pandemic, project completion was extended to March 2022. Table 1 shows the funding structure for the construction phase of the project that was approved under the NDMP extension in December 2020.

As displayed in Table 1, the Town's portion of the project is \$3,500,000.00 and the Federal portion from Public Safety Canada is in the amount of \$1,458,149.37.

Table 1: NDMP Project Funding

Expense Description	Expenses Remaining (As of December 2020)		
	Public Safety Canada Funding (NDMP)	Town of Essex Funding	Total
Consultant Fees	\$ 300,000.00	\$300,000.00	\$ 600,000.00
Construction	\$ 1,158,149.37	\$ 3,200,000.00	\$ 4,358,149.37
Total	\$ 1,458,149.37	\$ 3,500,000.00	\$ 4,958,149.37

Engineering Services

Considering the tight timing of the funding, needing completion by March 2022, and the large scope of Phase 1, it is recommended that the engineering services be sole sourced to Stantec Consulting in accordance with section 22.02 of the Town's procurement by-law as appended.

Since amalgamation, Stantec Consulting has been the Town's consultant for sanitary and stormwater sewer models and studies in Essex Centre. These studies have aided the Town to address hydraulic capacity issues related to climate change, while also addressing development pressures and community growth. Since the Ward 1 Storm Improvement project includes the replacement of the storm trunk sewer, the flow monitoring, field investigations, and stormwater model completed by Stantec through the Environmental Assessment process will be very useful in completing the detailed design of the Ward 1 Improvements.

In addition, with Stantec being the engineer of record for the Southwest Area Stormwater Improvements Environmental Assessment project, much of preliminary work has already been completed and will be replicated in the Ward 1 Improvements project. Therefore, Stantec already has extensive background knowledge of the requirements and scope of the Environmental Assessment that would otherwise take time and additional effort for another consultant to acquire. Further, their experience and preliminary design work with the Environmental Assessment project will allow Stantec to competently manage this project effectively and efficiently, both creating savings and ensuring the tight funding timelines are met.

Financial Impact

Stantec's total estimate of fees for engineering services for PW-19-0064 – Ward 1 Storm Improvements is \$642,919.68 (including applicable taxes). Of this, \$262,113.41 is for design and tendering services, and \$380,806.27 is for construction and administration services. In the 2021

approved capital budget, the Town included \$4,559,912.00 for design, contract administration, and construction. Therefore, it is recommended that the design and tendering costs as well as the construction and administration costs of \$642,919.68 (including applicable taxes) is awarded to Stantec Consulting. A report is anticipated to be brought to Council in the summer for the award of the construction contract.

Based on a review of recent similar projects, including the Harrow Streetscape undertaken by the Town, the estimated engineering costs provided by Stantec for this project appear comparable and reasonable.

Consultations

Jackson Tang, Assistant Manager, Business Services

Richard Beausoleil, Manager, Capital Works and Infrastructure

Jeffrey Morrison, Director, Corporate Services/Treasurer

Link to Strategic Priorities

- ☒ Manage, invest and plan for sustainable municipal infrastructure which meets current and future needs of the municipality and its citizens.
- ☐ Create a safe, friendly and inclusive community which encourages healthy, active living for people of all ages and abilities.
- ☐ Provide a fiscal stewardship and value for tax dollars to ensure long-term financial health to the municipality.
- ☐ Manage responsible and viable growth while preserving and enhancing the unique rural and small town character of the community.
- ☐ Improve the experiences of individuals, as both citizens and customers, in their interactions with the Town of Essex.

Report Approval Details

Document Title:	Engineering Services for Ward 1 Storm Improvements - Infrastructure Services-2021-02.docx
Attachments:	- Procurement Section 22 - Ward 1 Storm.pdf
Final Approval Date:	Feb 24, 2021

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

A handwritten signature in black ink, appearing to read "Chris Nepszy". The signature is fluid and cursive, with a period at the end.

Chris Nepszy, Chief Administrative Officer - Feb 24, 2021 - 11:14 AM