

Report to Civic Works Committee

To: Chair and Members
Civic Works Committee

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

Subject: Appointment of Consulting Engineer for the Thames River Sanitary Siphon Capacity Expansion Project – Single Source Procurement

Date: May 22, 2024

Recommendation

That on the recommendation of Deputy City Manager, Environment and Infrastructure, the following actions **BE TAKEN** with respect to the appointment of a consulting engineer for the Thames River Sanitary Siphon Capacity Expansion project.

- (a) Stantec Consulting Ltd. **BE APPOINTED** consulting engineer to complete the pre-design, and detailed design of the Thames River Sanitary Siphon Capacity Expansion project, in the total amount of \$516,180.50 (including 10% contingency, excluding HST), in accordance with Section 14.4(e) of the City of London's Procurement of Goods and Services Policy;
- (b) the financing for this project **BE APPROVED** as set out in the Sources of Financing Report attached, hereto, as Appendix 'A';
- (c) the Civic Administration **BE AUTHORIZED** to undertake all the administrative acts that are necessary in connection with this project;
- (d) the approval given, herein, **BE CONDITIONAL** upon the Corporation entering into a formal contract; and
- (e) the Mayor and City Clerk **BE AUTHORIZED** to execute any contract or other documents, if required, to give effect to these recommendations.

Executive Summary

This report recommends a single source award to Stantec Consulting Ltd. to undertake engineering services related to the Thames River Sanitary Siphon Capacity Expansion project. This work is a further phase and continuation of work already undertaken by Stantec Consulting Ltd. in the project area under a different RFP award, allowing Stantec Consulting Ltd. to have the necessary knowledge, skills, expertise to successfully complete this assignment. Completion of this project ahead of the upcoming West London Dyke reconstruction project is preferable from a project delivery perspective.

The Infrastructure Renewal Program is an annual program intended to maintain the lifecycle and operation of municipal infrastructure at an acceptable level of service. The engineering consultants work with city staff to complete the Infrastructure Renewal Program projects to meet the challenging infrastructure lifecycle replacement needs. The engineering consulting work recommended for the Infrastructure Renewal Program will support the reconstruction of an estimated \$25,000,000 of capital infrastructure.

Linkage to the Corporate Strategic Plan

This recommendation supports the following 2023-2027 Strategic Plan areas of focus:

- Climate Action and Sustainable Growth:
 - The infrastructure gap is managed for all assets; and
 - London's infrastructure is built, maintained, and secured to support future growth and protect the environment;

Analysis

1.0 Background Information

1.1 Previous Reports Related to this Matter

- CWC – July 18, 2023 – Appointment of Consulting Engineers for the Infrastructure Renewal Program, Recommendation a) (ii).
- CWC – August 23, 2022 – Consultant Design Fee Extension Award Labatt Sanitary Siphon.
- CWC – October 20, 2020 – Appointment of Consulting Engineers Infrastructure Renewal Program, Recommendation a) (i).

2.0 Discussion and Considerations

2.1 Work Description

This assignment is for consulting engineering services for the pre-design and detailed design of the Thames River Sanitary Siphon Capacity Expansion project. The Thames River Sanitary Siphon has been identified as a high priority in the Infrastructure Renewal Program due to the poor condition of the municipal infrastructure. The sewer was constructed in 1935 and has reached the end of its useful life. The project will include replacement of the existing Thames River Sanitary Siphon with a new siphon and related trunk and local sanitary sewers and appurtenances. A location map is provided in Appendix 'B'.

The replacement of the sanitary siphon also provides the City with a key opportunity to increase the capacity of the sanitary sewer system and to remove a significant restriction point in the overall sanitary system. The increased capacity will accommodate intensification in the downtown, supporting the creation of housing units.

The Thames River Sanitary Siphon Capacity Expansion project includes the following improvements:

- Installation of a new sanitary sewer siphon with increased capacity under the forks of the Thames River;
- Incorporation of a new interconnection between the 'high level' and 'low level' sanitary trunk sewer systems to utilize the opportunity that the new siphon provides to service a larger catchment area.
- Realignment of existing trunk and local sanitary sewers to connect to the new sanitary sewer siphon in Ivey and Mitchell A. Baran Parks;
- Restoration of disturbed park areas.

Infrastructure replacement needs have been coordinated within the Environment and Infrastructure Department for efficient use of funds during construction. The project budget has been included in the approved 2024 wastewater capital works budget.

2.2 Procurement Process

The Thames River Sanitary Siphon Capacity Expansion project pre-design and detailed design is critical for 2024 with the intention of issuing a construction tender early in 2025. Completion of this project ahead of the upcoming West London Dyke reconstruction project is preferable from a project delivery perspective. The West London Dyke reconstruction project is anticipated to be under construction in Mitchell A. Baran park in 2026.

As per Section 14.4 e) of the Procurement of Goods and Services Policy, the procurement may be conducted using a Single Source process if the required goods and/or services are to be supplied by a particular supplier(s) having special knowledge, skills, expertise or experience. Stantec Consulting Ltd. completed the downstream 'low level' trunk sanitary sewer realignment project through Mitchell A. Baran Park, Riverside Park and Cavendish Crescent, and completed the Environmental Assessment for reconstruction of the West London Dyke.

3.0 Financial Impact/Considerations

3.1 Consulting Engineer Services

Stantec Consulting Ltd.'s fee to undertake consulting engineering services for the Thames River Sanitary Siphon Capacity Expansion is \$516,180.50 (including 10% contingency, excluding HST).

Staff have reviewed the fee submission, including the time allocated to each project task, along with hourly rates provided by the consultant's staff members. The submission was found to be consistent with other project assignments of similar scope. The consultant has the staff capacity, technical capability and knowledge to be able to effectively undertake the work.

Funds have been budgeted and are available in the 2024 wastewater capital works budget to support the engineering work for the projects as identified in Appendix 'A', 'Source of Financing'.

Conclusion

Replacing infrastructure at the end of its lifecycle is essential to support future growth and to protect the environment. Stantec Consulting Ltd. has shown their competency and expertise in the previous phase of the 'low level' trunk sanitary sewer realignment project along with similar infrastructure replacement projects, and therefore it is recommended that Stantec Consulting Ltd. be awarded a single source engagement for this engineering assignment as it is in the best financial and technical interests of the City.

Prepared by: Kyle Chambers, P.Eng.
Division Manager, Sewer Engineering

Submitted by: Ashley Rammeloo, MMSc, P.Eng.
Director, Water, Wastewater, and Stormwater

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

cc: D. Gough, D. Law

Appendix 'A' – Sources of Financing

Appendix 'B' – Location Map

Appendix "A"

#24085

May 22, 2024

(Appoint Consulting Engineer)

Chair and Members

Civic Works Committee

RE: Thames River Sanitary Siphon Capacity Expansion Project

(Subledger WW240004)

Capital Project ES241423 - Infrastructure Renewal Program - Sanitary Sewers

Stantec Consulting Ltd. - \$516,180.50 (excluding HST)

Finance Supports Report on the Sources of Financing:

Finance Supports confirms that the cost of this project can be accommodated within the financing available for it in the Capital Budget and that, subject to the approval of the recommendation of the Deputy City Manager, Environment and Infrastructure, the detailed source of financing is:

Estimated Expenditures	Approved Budget	Committed To This Date	This Submission	Balance for Future Work
Engineering	1,993,977	801,629	525,265	667,084
Engineering (Utilities Share)	106,054	106,054	0	0
Land Acquisition	5,000	5,000	0	0
Construction	11,288,901	11,288,737	0	164
Construction (Utilities Share)	1,168,347	1,168,347	0	0
City Related Expenses	25,000	0	0	25,000
Total Expenditures	\$14,587,279	\$13,369,767	\$525,265	\$692,248
Sources of Financing				
Capital Sewer Rates	8,812,878	8,812,878	0	0
Drawdown from Sewage Works Renewal Reserve Fund	2,250,000	1,032,488	525,265	692,248
Canada Community-Building Fund	2,250,000	2,250,000	0	0
Other Contributions	1,274,401	1,274,401	0	0
Total Financing	\$14,587,279	\$13,369,767	\$525,265	\$692,248

Financial Note:

Contract Price	\$516,181
Add: HST @13%	67,103
Total Contract Price Including Taxes	583,284
Less: HST Rebate	-58,019
Net Contract Price	\$525,265

Jason Davies

Manager of Financial Planning & Policy



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LOCATION MAP



Thames River Sanitary Siphon Capacity Expansion Project

-  Approximate Siphon Limits
-  Interconnection of High Level to Low Level System

Map Produced by
the Sewer
Engineering
Division
April 25, 2024 CM



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