

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: RFT 21-101 Springbank Reservoirs Cells 1 and 2 Chlorination
Modifications – Irregular Result

Date: November 23, 2021

Recommendation

That, on the recommendation of the Deputy City Manager, Environment and Infrastructure, the following actions **BE TAKEN** with respect to the Springbank Reservoir Cells 1 and 2 Chlorination Modifications:

- (a) The proposal submitted by Straightline Group Incorporated, 3030 Balmoral Ave, Burlington, Ontario, L7N 1E2, in the amount of \$305,000.00, including contingency (\$30,000), excluding H.S.T, **BE AWARDED** in accordance with Section 19.4 (b) and (c) and 8.10 b) of the City of London's Procurement of Goods and Services Policy;
- (c) the Civic Administration **BE AUTHORIZED** to undertake all the administrative acts that are necessary in connection with this project; and
- (d) 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

The purpose of this report is to recommend the award of the Springbank Reservoirs Cells 1 and 2 Chlorination Modifications project to Straightline Group Incorporated.

Context

The chlorination systems at the Springbank Reservoirs are critical to disinfect the drinking water of contaminants before being distributed to the public. There are two chlorination dosing systems for the Springbank Reservoirs. The first is located on a shared pipe where the water enters and leaves Springbank Reservoirs Cells 1 and 2. The second is located on a shared pipe where the water enters and leaves Springbank Reservoir Cell 3. Treating the water as it enters a reservoir is preferred as it reduces the risk of over-chlorinating the water. Chlorinating the water as it leaves the reservoir requires careful monitoring by Water Operations operators to ensure over chlorination of the water does not occur. The risk of over-chlorination can be greatly reduced if the water is chlorinated as water enters the reservoir. The purpose of this project is to install a chlorination system for water entering Springbank Reservoirs Cells 1 and 2 to reduce the future risk of over-chlorination and reduce the operational complexity of operating the system.

Linkage to the Corporate Strategic Plan

This recommendation supports the following 2019-2023 Strategic Plan areas of focus:

- Leading in Public Service:
 - Trusted, open, and accountable in service of our community;
 - Exceptional and valued customer service; and
 - Leader in public service as an employer, a steward of public funds, and an innovator of service.
- Building a Sustainable City:

- London's 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

- None

2.0 Discussion and Considerations

2.1 Project Description

The construction of the Springbank Reservoirs Cells 1 and 2 Chlorination Modifications includes:

- New additional water sampling location and chlorine analyzer
- New chlorine injector and booster pump system
- New process piping
- Valve chamber modifications
- Site restoration

GM Blue Plan will carry out the Contract Administration tasks to ensure the construction is implemented as intended. GM Blue Plan designed this project and also designed and administered a similar project to install chlorination equipment for water entering Springbank Reservoir Cell 3.

2.3 Procurement Process

This project was tendered and closed on October 13, 2021 with Straightline Group Limited submitting the only bid. Per Section 19.4 (b) and (c) of the Procurement of Goods and Services Policy, City staff opened and evaluated the single submission. The bid of \$305,000.00 (excluding HST) submitted was over the pre-tender cost estimate of \$250,000.00 (excluding HST). Discrepancies in the costs may be attributed to the ongoing material pricing fluctuations and supply chain issues due to COVID-19 pandemic as well as the expedited scheduling requirements due to upcoming capital works projects scheduled at the facility. There is sufficient budget available for this work at the bid price submitted.

Per Section 19.4 of the Procurement of Goods and Services Policy, the bid submission was reviewed by an evaluation team from Water Engineering and Water Operations, with the assistance of the Purchasing and Supply Division. It was found that the bid submitted by Straightline Group Limited meets all terms, conditions, specifications, and requirements. Straightline Group Limited has the experience to fulfil the expectations as set out in this project and within the allotted budget for this project, and have successfully completed projects of similar nature for the City of London. As per Section 8.10 b), if the specifications of a competitive bid cannot be met by two (2) or more suppliers; Committee and City Council must approval the award of a competitive bid greater than \$100,000. There are sufficient funds in the Operating Budget for this operational improvement.

3.0 Financial Impact/Considerations

3.1 Contractor Services

Straightline Group Limited submitted a proposal for \$305,000.00, including \$30,000.00 contingency, excluding H.S.T.

There is sufficient money in the budget account to fund the project. Overall, their proposal met all the key project requirements, and their staff are qualified to undertake the required services.

In accordance with Section 19.4 b) and c) and 8.10 b) of the City of London's Procurement of Goods and Services Policy, civic administration is recommending that Straightline Group Incorporated be awarded a contract to carry out the Springbank Reservoir Cells 1 and 2 Chlorination Modifications.

Conclusion

This project will modify the chlorination process for Springbank Reservoirs Cells 1 and 2 so that chlorine is added as the water going into the reservoir. Completing these modifications will increase operational ease and reduce the risk of over-chlorinating. Awarding the 2021 Springbank Reservoir Cells 1 and 2 Chlorination Modification project to Straightline Group Limited will allow the project objectives to be met within the available budget and schedule.

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Director, Water, Wastewater and Stormwater

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

cc: Stephen Romano – Environmental Services Engineer, Water Engineering
John Freeman – Manager, Purchasing & Supply
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