

## Report to Civic Works Committee

**To:** Chair and Members  
Civic Works Committee

**From:** Kelly Scherr, P.Eng., MBA, FEC  
Managing Director, Environmental & Engineering Services  
and City Engineer

**Subject:** Appointment of Consulting Engineers – Springbank Dam  
Decommissioning

**Date:** January 19, 2021

## Recommendation

That, on the recommendation of the Managing Director, Environmental & Engineering Services and City Engineer, the following actions BE TAKEN with respect to the Appointment of Consulting Engineer for the Springbank Dam Decommissioning:

- (a) Stantec Consulting Ltd BE APPOINTED Consulting Engineers to complete the pre-design and detailed design of the 2021 Springbank Dam Decommissioning as per the recommendations outlined in the One River Environmental Assessment, in the total amount of \$328,318.28, including contingency, excluding HST;
- (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 work;
- (d) the approvals given, herein, BE CONDITIONAL upon the Corporation entering into a formal contract with the consultant for the project; and,
- (e) the Mayor and the 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 the authorization of Stantec Consulting Ltd to carry out detailed design and contract administration for the Springbank Dam Decommissioning which is funded by the \$3.4 million available in ES3068, which includes receipt of the final legal settlement from 2015.

### Context

Springbank Dam was rendered inoperable in 2008 after newly installed steel gates failed during testing. The subsequent legal settlement was received in 2015. In 2017 the One River Master Plan Environmental Assessment considered the future use of the recreational dam. It was determined that decommissioning was the preferred option. The engineering consulting work recommended within this report will complete the detailed design for the decommissioning and partial removal of the dam.

## Linkage to the Corporate Strategic Plan

Municipal Council's 2019-2023 Strategic Plan identifies "Building a Sustainable City" as a strategic area of focus. The recommendation in this report will support the protection and enhancement of the environment and the Thames River.

# Analysis

## 1.0 Background Information

### 1.1 Previous Reports Related to this Matter

Civic Works Committee – February 2, 2016 – Springbank Dam

Civic Works Committee – March 8, 2016 – One River Master Plan Environmental Assessment

Municipal Council – March 22, 2016 – One River Master Plan Environmental Assessment: Background Information

Civic Works Committee – November 1, 2016 – One River Master Plan Environmental Assessment: Terms of Reference

Civic Works Committee – February 21, 2017 – One River Environmental Assessment – Appointment of Consultant

Civic Works Committee – August 29, 2017 – One River Environmental Assessment Update: Technical Memorandum Stage One Work Plan and Community Consultation Plan

Civic Works Committee – September 26, 2017 – One River Environmental Assessment Update: Agency Advisory Committee Report

Civic Works Committee – January 9, 2018 – One River Environmental Assessment Update: Phase II Stage I Report

Civic Works Committee – March 19, 2018 – One River Environmental Assessment Update: Technical Memorandum Stage Two Work Plan

Civic Works Committee – May 14, 2019 – One River Master Plan Environmental Assessment: Notice of Completion

## 2.0 Discussion and Considerations

### 2.1 Work Description

This report recommends the appointment of Stantec Consulting Ltd as the Engineering Consultant for the Decommissioning of the Springbank Dam. The project includes study and design that will span over 2021 to 2022. Funds in the amount of \$3.4 million have been identified in the ES3068 account as the result of the final 2015 legal settlement.

During the Civic Works Committee on May 14, 2019, the preferred Alternative 2 for the Springbank Dam was accepted in accordance with the Schedule B Municipal Class Environmental Assessment process requirements. Partial removal was the preferred alternative for the decommissioning of Springbank Dam. Partial removal includes removing components such as hydraulics, electronics, and the steel gates that currently sit on the bed of the river. The detailed design will include maintenance of the concrete structure, removal of hydraulic equipment, gates, and control room. Improvements to address dam structural stability, an ongoing preventative maintenance and safety inspection program, shoreline remediation, and habitat improvement are also included.

### 2.2 Procurement Process

A two-staged procurement process was used to select the recommended consultant. This is in accordance with Section 15.2(e) of the Procurement of Goods and Services Policy.

The first stage was an open, publicly advertised Request for Qualifications (RFQ). The City received four submissions, which were evaluated by EESD and resulted in a short-list of three engineering consulting firms.

The second stage was a competitive Request for Proposal exercise. Consultants from the short-list were invited to submit a formal proposal to undertake the design portion of the decommissioning of Springbank Dam. The evaluation of the proposals included both a technical and a cost component. The consultant was selected based on their knowledge and understanding of project goals, their experience on directly related projects and their project team members, capacity, and qualifications.

### **3.0 Financial Impact/Considerations**

#### **3.1 Funding from 2015 Final Legal Settlement**

Following completion of the Schedule B EA, the decommissioning of Springbank Dam can now move into detailed design. There is currently \$3.4 million available in ES3068 which includes receipt of the final legal settlement from 2015.

Staff have reviewed the fee submissions in detail considering the hourly rates provided by each staff member. Staff have confirmed that hourly rates are consistent with those submitted through competitive processes. Staff also reviewed the time allocated to each project related task. Staff can confirm that the amount of time allocated to each project task is consistent with prior projects of a similar nature.

The construction administration fees will be requested in a future report. The design fee of \$328,318.28 includes 20% contingency and does not include HST.

### **4.0 Key Issues and Considerations**

#### **4.1. Key Issues Addressed**

This project will address public safety around the dam structure, improve the natural environment in the vicinity of the dam, and fulfill the recommendations of the environmental assessment to decommission Springbank Dam.

## **Conclusion**

Decommissioning the Springbank Dam is in accordance with the completed One River Master Plan Environmental Assessment Report. This consultant assignment is another step forward in building a sustainable city by promoting environmental improvements and enhancing the water quality of the Thames River.

Stantec Consulting Ltd have shown their competency and expertise with dam decommissioning projects of this type. It is recommended that Stantec Consulting Ltd be appointed the consulting engineers for the pre-design and detailed design of the Springbank Dam decommissioning.

**Prepared by:** Ashley Rammeloo, MMSc., P.Eng.  
Division Manager, Sewer Engineering

**Submitted by:** Scott Mathers, MPA, P.Eng.  
Director, Water and Wastewater

**Recommended by:** Kelly Scherr, P. Eng., MBA, FEC  
Managing Director, Environmental and Engineering  
Services and City Engineer

## Appendix "A"

#21005

January 19, 2021

(Appoint Consulting Engineer)

Chair and Members

Civic Works Committee

RE: Springbank Dam Decommissioning

(Subledger WW210001)

Capital Project ES3068 - Springbank Dam Replace Gates and Erosion Control

Stantec Consulting Ltd. - \$328,318.28 (excluding HST)

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### Finance and Corporate Services Report on the Sources of Financing:

Finance and Corporate Services 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 Managing Director, Environmental and Engineering Services and City Engineer, the detailed source of financing for this project is:

<b>Estimated Expenditures</b>	<b>Approved Budget</b>	<b>Committed To This Date</b>	<b>This Submission</b>	<b>Balance for Future Work</b>
Engineering	1,611,438	1,277,342	334,096	0
Construction	8,956,609	5,838,664	0	3,117,945
City Related Expenses	77,311	77,311	0	0
<b>Total Expenditures</b>	<b>\$10,645,358</b>	<b>\$7,193,317</b>	<b>\$334,096</b>	<b>\$3,117,945</b>

### Sources of Financing

Debenture By-law Number W.-1936-317	1,200,000	1,200,000	0	0
Drawdown from Sewage Works Reserve Fund	2,866,079	2,866,079	0	0
Superbuild Funding	2,803,968	2,803,968	0	0
Other Contributions (Legal Settlement)	3,775,311	323,270	334,096	3,117,945
<b>Total Financing</b>	<b>\$10,645,358</b>	<b>\$7,193,317</b>	<b>\$334,096</b>	<b>\$3,117,945</b>

### Financial Note:

Contract Price	\$328,318
Add: HST @13%	42,681
Total Contract Price Including Taxes	370,999
Less: HST Rebate	-36,903
Net Contract Price	\$334,096

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Jason Davies

Manager of Financial Planning & Policy

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