

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: Summerside Spillway Cable Concrete Repairs – Contract
Amendment

Meeting on: July 26, 2022

Recommendation

That, on the recommendation of the Deputy City Manager, Environment & Infrastructure, that the following actions be taken with respect to the Summerside Spillway Cable Concrete Repairs contract:

- a) CH Excavating (2013)'s contract award **BE INCREASED** to carry out the cable concrete repairs to the Summerside Spillway in accordance with the estimate, on file, by an amount of \$38,012.93 from \$173,425.04 to \$211,437.97 including 20% contingency, excluding HST, in accordance with Section 20.3 of the City of London's Procurement of Goods and Services Policy;
- b) The financing for the project **BE APPROVED** in accordance with 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 approvals given, herein, **BE CONDITIONAL** upon the Corporation amending the original 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

Purpose

This report recommends the continuation of construction services from CH Excavating (2013) for the repair of the cable concrete spillway at the Summerside Stormwater Management Facility (SWMF).

Context

In 2021, CH Excavating was hired by the City to upgrade the Summerside spillway. Due to several intense rain events in fall 2021 and winter 2022, the cable concrete

matting has shifted along the edges of the spillway. To address these failures and prevent future failures, it is recommended to reset the sunken cable mats and reinforce the sides of the spillway.

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 strategies to 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.

1.2 Location Map



Figure 1: Location map showing the Summerside Spillway Cable Concrete project

2.0 Discussion

The SWMF was developer-constructed in 1995. The original design used turfstone pavers for the spillway. Due to the high velocity of flows overtopping the spillway and an inconsistent top-of-spillway elevation, the turfstone pavers washed out. In 2021, the City upgraded the existing turfstone to Cable Concrete and restored top-of-slope to the intended design elevation.



Figure 2: a) Failed turfstone spillway at Summerside SWMF (2020), b) Upgraded cable concrete spillway showing failure along the north section (2022)

An unusually wet fall created challenging construction conditions which led to undermining of the mats during the installation. The spillway was also subject to

several intense rain events from the time installed in fall 2021 to the spring 2022 which created washouts along the north side of the spillway.

Procurement

CH Excavating (2013) was administratively awarded the Summerside Spillway Cable Concrete installation project through a competitive bid process. Given that the Summerside Spillway Cable Concrete project is still considered an active construction site for CH Excavating (2013) to address minor deficiencies and restoration works, they were invited to submit a change order to make the spillway more robust during significant rainfall events. Staff have reviewed the proposed change order submission and it is consistent with other assignments of similar scope. The continued use of CH Excavating (2013) is of financial advantage to the City because the construction company has specific knowledge of the project and has undertaken work for which duplication would be required if another firm were to be selected.

3.0 Financial Impact

In accordance with Section 20.3 of the City of London's Procurement of Goods and Services Policy, it is recommended that CH Excavating(2013) be authorized to carry out the construction services for the Summerside Spillway Cable Concrete Repairs for a fee estimate of \$38,012.93, including 20% contingency, excluding HST. The approval of this work will bring the total engineering services for this project from \$173,425.04 to \$211,437.97, including 20% contingency, excluding HST.

Conclusion

CH Excavating (2013) has demonstrated an understanding of the City's requirements for this project, and it is recommended that CH Excavating (2013) continue the construction services for the Summerside Spillway Cable Concrete Repairs, as it is in the best financial and technical interests of the City.

Prepared by: **Shawna Chambers, P.Eng., DPA**
Division Manager, Stormwater Engineering

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

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

Attachments: Appendix 'A' – Sources of Financing

CC: Steve Mollon

Gary McDonald
Alan Dunbar
Jason Davies
Monica McVicar

Appendix "A"

#22109

July 26, 2022

(Contract Amendment)

Chair and Members

Civic Works Committee

RE: Summerside Spillway Cable Concrete Repairs - Contract Amendment

(Subledger SWM21004)

Capital Project ES6610 - UWRF Transition to CSRF - SWM

CH Excavating (2013) - \$211,437.97 (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	1,854,660	521,193	0	1,333,467
Land Acquisition	1,142,246	1,142,246	0	0
Construction	4,517,394	4,300,176	38,682	178,536
Total Expenditures	\$7,514,300	\$5,963,615	\$38,682	\$1,512,003

Sources of Financing

Drawdown from City Services - Stormwater Reserve Fund (Development Charges) (Note 1)	7,514,300	5,963,615	38,682	1,512,003
Total Financing	\$7,514,300	\$5,963,615	\$38,682	\$1,512,003

Financial Note:

Contract Price	\$211,438
Less Amount previously approved	173,425
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	38,013
Add: HST @13%	4,942
Total Contract Price Including Taxes	42,955
Less: HST Rebate	-4,273
Net Contract Price	<hr/>
	\$38,682

Note 1: Development charges have been utilized in accordance with the underlying legislation and the approved 2019 Development Charges Background Study and the 2021 Development Charges Background Study Update.

Jason Davies
Manager of Financial Planning & Policy

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