

## 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:** Request for Proposal RFP2022-120 Contract Award of 2022  
Sewer Lining (CIPP)

**Date:** July 26, 2022

## Recommendation

That, on the recommendation of the Managing Director, Environmental & Engineering Services and City Engineer, the following actions **BE TAKEN** with respect to Request for Proposal RFP2022-120:

- a) The bid submitted by Insituform Technologies Limited at its tendered price of \$4,077,716.10 (HST excluded), **BE ACCEPTED**, it being noted that the bid submitted by Insituform Technologies Limited was the only bid meeting the technical criteria and meets the City's specifications and requirements in all areas;
- 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, or issuing a purchase order for the material to be supplied and the work to be done, relating to this project; 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

The purpose of this report is to award the annual contract to supply and install cured in place pipe (CIPP) as part of the 2022 Sewer Lining Program.

### Context

The City of London uses trenchless sewer repairs, where appropriate, to repair damaged sewers without having to perform open cut construction. CIPP repairs involve inserting a resin filled felt or fiberglass tube into a sewer, inflating the tube and adding heat (via steam or hot water) or UV light to cure the resin. Once the resin cures, the tube has formed into a tight-fitting pipe within a pipe. The result is a "new" sewer with a life expectancy of 50+ years.

## Linkage to the Corporate Strategic Plan

The following report supports the 2019 – 2023 Strategic Plan through the strategic focus area of Building a Sustainable City:

- London's Infrastructure is built, maintained and operated to meet the long-term needs of our community;
- London's growth and development is well planned and sustainable over the long term.

## Analysis

### 1.0 Background Information

#### 1.1 Previous Reports Related to this Matter

- CWC – November 2, 2021 – Request for Proposal 21-56 Contract Award of 2021 Supply and Installation of Cured-in-place-pipe Sewer Liners
- CWC – November 17, 2020 – Request for Proposal 20-59 Contract Award of 2020 Cured in Place Pipe (CIPP) Sewer Lining Program
- CWC – November 19, 2019 – Request for Proposal 19-45 Contract Award of 2019 Cured in Place Pipe (CIPP) Sewer Lining Program

### 2.0 Discussion and Considerations

#### 2.1 Work Description

The City of London's annual Sewer Lining Program uses trenchless technologies to reinstate and extend the life of existing storm and sanitary sewer infrastructure. This program avoids the large capital costs of open-cut construction by using cost effective trenchless technology. The installation of a liner can be completed in several days as compared to months for open cut repairs greatly reducing the social impacts.

The City of London began installing full-length sewer lining repairs in 1989. Beginning in the late 1990s the Sewer Lining Program was expanded and became an important part of London's capital renewal strategy. Since 2007 there have been 244 km of liners installed through the annual CIPP lining program.

The 2022 program consists of approximately 1 km of trunk sanitary sewer lining. These large diameter sanitary sewers will require flow bypass to accommodate the lining. Sewers to be lined in 2022 include:

- 535m of trunk sanitary sewer along Thames Valley Parkway (TVP) from Grovenor Street to the south side of Oxford Street East (all 900mm diameter sanitary sewer).
- 460m of trunk sanitary sewer along Eleanor Street from Dundas Street to Frances Street (1050mm and 1200mm diameter sanitary sewer).

### 3.0 Financial Impact/Considerations

#### 3.1 Procurement Process

The selection of a contractor for the 2022 Sewer Lining Program followed the Request for Proposal (RFP) procurement, in accordance with section 12 of the Procurement of Goods and Services Policy. An RFP process was chosen due to the technical considerations and experience necessary to successfully complete the structural sewer lining for the trunk sanitary sewer. Strong methodology for bypass pumping routes and spill protection plans was required, along with adequate project staging and traffic

management plans. This RFP followed a 'two envelope process' wherein firms had to achieve a minimum score of 70% on the technical component to pass.

Following public posting of the 2022 Sewer Lining Program, three proposal submissions were received and evaluated by the Environment and Infrastructure Department which included a technical and cost component. Two of the three submissions did not meet the technical score required. The proposal submitted by Insituform Technologies Limited was the highest scoring submission, in accordance with Section 12.0 of the Procurement of Goods and Services Policy. The submitted cost of \$4,077,716.10 is below the pre-bid estimate of \$4,500,000 and within the allotted budget.

All submissions include a contingency allowance of \$300,000.00.

## **Conclusion**

City staff have reviewed the proposal submissions and have recommended Insituform Technologies Limited be awarded the construction contract for the 2022 Sewer Lining Program (CIPP).

The Sewer Lining Program continues to be an important part of the City's sewer infrastructure renewal strategy. The ability to repair sewers with minimal above ground impact provides an opportunity to perform necessary repairs while limiting disruptions to the general public in an extremely cost effective manner.

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

**Submitted by:** Ashley M. Rammeloo, MSc., P.Eng.  
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:** Y.Clavet, C.Liu

**Appendix "A"**

#22107

July 26, 2022  
(Award Contract)

Chair and Members  
Civic Works Committee

RE: RFP2022-120 - 2022 Sewer Lining (CIPP)  
(Subledger WW220003)

Capital Project ES269321 - Sewer Relining

Capital Project ES269322 - Sewer Relining

Insituform Technologies Limited - \$4,077,716.10 (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:

<b>Estimated Expenditures</b>	<b>Approved Budget</b>	<b>Committed To This Date</b>	<b>This Submission</b>	<b>Balance for Future Work</b>
<b>ES269321 - Sewer Relining</b>				
Construction	4,608,000	4,415,369	192,631	0
<b>ES269322 - Sewer Relining</b>				
Construction	4,718,592	0	3,956,853	761,739
<b>Total Expenditures</b>	<b>\$9,326,592</b>	<b>\$4,415,369</b>	<b>\$4,149,484</b>	<b>\$761,739</b>

**Sources of Financing**

<b>ES269321 - Sewer Relining</b>				
Capital Sewer Rates	4,608,000	4,415,369	192,631	0
<b>ES269322 - Sewer Relining</b>				
Capital Sewer Rates	4,718,592	0	3,956,853	761,739
<b>Total Financing</b>	<b>\$9,326,592</b>	<b>\$4,415,369</b>	<b>\$4,149,484</b>	<b>\$761,739</b>

**Financial Note:**

	<b>ES269321</b>	<b>ES269322</b>	<b>Total</b>
Contract Price	189,299	3,888,417	4,077,716
Add: HST @13%	24,609	505,494	530,103
Total Contract Price Including Taxes	213,908	4,393,911	4,607,819
Less: HST Rebate	-21,277	-437,058	-458,335
Net Contract Price	\$192,631	\$3,956,853	\$4,149,484

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Jason Davies  
Manager of Financial Planning & Policy

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