

## 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:** Contract Award: Request for Proposal RFP21-56 Supply and  
Installation of Cured-in-place-pipe Sewer Liners  
**Date:** November 2, 2021

## 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 21-56 Supply and Installation of Cured-in-place-pipe sewer liners:

- a) The bid submitted by Insituform Technologies Limited at its tendered price of \$4,339,000.00 (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 for the supply and installation of cured in place pipe (CIPP) sewer liners.

### Context

The City of London uses trenchless sewer repairs, where appropriate, to repair damaged sewers, extending the lifespan of the sewer without having to replace the sewer via open cut construction. The 2021 CIPP lining contract will rehabilitate 7km of storm and sanitary sewer.

## 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

## Analysis

### 1.0 Background Information

#### 1.1 Previous Reports Related to this Matter

November 17, 2020 – Civic Works Committee - Request for Proposal 20-59 Contract Award of 2020 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 237 km of liners installed through the annual CIPP lining program.

CIPP lining involves inserting a resin-impregnated 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.

The 2021 program includes approximately 7 km of storm and sanitary sewer lining along various streets throughout the city with pipe sizes ranging from 200mm to 900mm. Some of the large diameter sanitary sewers will require flow bypass to accommodate the lining. Sewers to be lined in 2021 include:

- Dundas St, Speight Blvd, Seaforth Crt, Caprice Cres, Dickens Ave, Admiral Dr (825mm diameter sanitary sewer).
- 7,553m of various storm and sanitary sewer with diameters ranging between 200mm and 825mm. Locations are spread throughout the city.

### 3.0 Financial Impact/Considerations

#### 3.1 Proposal Summary

Four proposal submissions were received, and the proposal submitted by Insituform Technologies Limited was the highest scoring submission with the best overall score, in accordance with the City's policies. The submitted cost of \$4,339,000.00 is below the pre-bid estimate and within the allotted budget.

All tenders include a contingency allowance of \$300,000.00. The value of this tender award is within the approved 2021 budget for the annual "Sewer Relining" program. Funding for this project has been provided in ES269321

## **Conclusion**

Civic Administration has reviewed the tender bids and recommends Insituform Technologies Limited be awarded the construction contact for the 2021 Sewer Lining Program.

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.

<b>Prepared by:</b>	<b>Ashley M. Rammeloo, MMSc., P.Eng Division Manager, Sewer Engineering</b>
<b>Submitted by:</b>	<b>Scott Mathers, MPA, P.Eng. Director, Water, Wastewater, and Stormwater</b>
<b>Recommended by:</b>	<b>Kelly Scherr, P.Eng., MBA, FEC Deputy City Manager, Environment and Infrastructure</b>

## Appendix "A"

#21172

November 2, 2021

(Award Contract)

Chair and Members

Civic Works Committee

RE: RFP21-56 - Supply and Installation of Cured-in-place-pipe Sewer Liners

(Subledger WW210005)

Capital Project ES269321 - Sewer Relining

Insituform Technologies Limited - \$4,339,000.00 (excluding HST)

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### 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 Deputy City Manager, Environment and Infrastructure, the detailed source of financing is:

<b>Estimated Expenditures</b>	<b>Approved Budget</b>	<b>This Submission</b>	<b>Balance for Future Work</b>
Construction	4,608,000	4,415,366	192,634
<b>Total Expenditures</b>	<b>\$4,608,000</b>	<b>\$4,415,366</b>	<b>\$192,634</b>

### Sources of Financing

Capital Sewer Rates	4,608,000	4,415,366	192,634
<b>Total Financing</b>	<b>\$4,608,000</b>	<b>\$4,415,366</b>	<b>\$192,634</b>

### Financial Note:

Contract Price	\$4,339,000
Add: HST @13%	564,070
Total Contract Price Including Taxes	4,903,070
Less: HST Rebate	-487,704
Net Contract Price	\$4,415,366

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Jason Davies

Manager of Financial Planning & Policy

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