

<b>TO:</b>	<b>CHAIR AND MEMBERS CIVIC WORKS COMMITTEE MEETING ON NOVEMBER 17, 2020</b>
<b>FROM:</b>	<b>KELLY SCHERR, P.ENG., MBA, FEC MANAGING DIRECTOR, ENVIRONMENTAL AND ENGINEERING SERVICES AND CITY ENGINEER</b>
<b>SUBJECT:</b>	<b>REQUEST FOR PROPOSAL 20-59 CONTRACT AWARD OF 2020 CURED IN PLACE PIPE (CIPP) SEWER LINING PROGRAM</b>

**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 20-59:

- a) The bid submitted by Insituform Technologies Limited at its tendered price of \$4,191,562.00 (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.

**PREVIOUS REPORTS PERTINENT TO THIS MATTER**

None.

**2019-2023 STRATEGIC PLAN**

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

- London’s infrastructure is built, maintained, and operated to meet the long-term needs of our community

**BACKGROUND**

**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 2020 CIPP lining program will rehabilitate 11km of storm and sanitary sewer.

## **DISCUSSION**

The 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 226km 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 2020 program includes 11 km of storm and sanitary sewer lining throughout the city with pipe sizes ranging from 200mm to 825mm. Some of the large diameter sanitary sewers will require flow bypass to accommodate the lining. Sewers to be lined in 2020 include:

- Admiral Drive (900m of 750mm & 825mm diameter sanitary sewer).
- 10,150m of various storm and sanitary sewer with diameters ranging between 200mm and 900mm. Locations are spread throughout the city.

## **Purchasing Process**

Four proposal submissions were received. The proposal submitted by Insituform Technologies Limited was the highest scoring submission with the best overall score, in accordance with the City's policies.

All bids included a Contingency Allowance of \$300,000.00. The value of this contract award is within the approved 2020 budget for the annual "Sewer Relining" program. Funding for this project has been provided in ES269320.

## **CONCLUSIONS**

Civic Administration has reviewed the proposals and recommends Insituform Technologies Limited be awarded the construction contact for the 2020 Cured in Place Pipe 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>SUBMITTED BY:</b>	<b>REVIEWED &amp; CONCURRED BY:</b>
<b>ASHLEY RAMMELOO, MMSC., P. ENG. DIVISION MANAGER SEWER ENGINEERING DIVISION</b>	<b>SCOTT MATHERS, MPA, P. ENG. DIRECTOR WATER AND WASTEWATER</b>
<b>RECOMMENDED BY:</b>	
<b>KELLY SCHERR, P.ENG., MBA, FEC MANAGING DIRECTOR ENVIRONMENTAL AND ENGINEERING SERVICES AND CITY ENGINEER</b>	

November 6, 2020

Attach: Appendix 'A' - Sources of Financing

c.c. Chris Ginty

**APPENDIX 'A'**

#20157

Chair and Members  
Civic Works Committee

November 17, 2020  
(Award Contract)

**RE: RFP 20-59 - 2020 Cured in Place Pipe (CIPP) Sewer Lining Program  
(Subledger WW200005)  
Capital Project ES269320 - Sewer Relining  
Insituform Technologies Limited - \$4,191,562.00 (excluding H.S.T.)**

**FINANCE & CORPORATE SERVICES REPORT ON THE SOURCES OF FINANCING:**

Finance & Corporate Services confirms that the cost of this project can be accommodated within the financing available for it in the Capital Works Budget and that, subject to the adoption of the recommendations of the Managing Director, Environmental & Engineering Services & City Engineer, the detailed source of financing for this project is:

<b><u>SUMMARY OF ESTIMATED EXPENDITURES</u></b>	<b><u>Approved Budget</u></b>	<b><u>This Submission</u></b>	<b><u>Balance for Future Work</u></b>
Construction	\$4,500,000	\$4,265,333	\$234,667
<b>NET ESTIMATED EXPENDITURES</b>	<b><u>\$4,500,000</u></b>	<b><u>\$4,265,333</u></b> 1)	<b><u>\$234,667</u></b>
 <b><u>SUMMARY OF FINANCING:</u></b>			
Capital Sewer Rates	\$4,500,000	\$4,265,333	\$234,667
<b>TOTAL FINANCING</b>	<b><u>\$4,500,000</u></b>	<b><u>\$4,265,333</u></b>	<b><u>\$234,667</u></b>

1) **Financial Note:**

Contract Price	\$4,191,562
Add: HST @13%	544,903
Total Contract Price Including Taxes	<u>4,736,465</u>
Less: HST Rebate	471,132
Net Contract Price	<u>\$4,265,333</u>

JG

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Jason Davies  
Manager of Financial Planning & Policy