

TO:	CHAIR AND MEMBERS CIVIC WORKS COMMITTEE MEETING ON NOVEMBER 19, 2019
FROM:	KELLY SCHERR, P.ENG., MBA, FEC MANAGING DIRECTOR, ENVIRONMENTAL AND ENGINEERING SERVICES AND CITY ENGINEER
SUBJECT:	REQUEST FOR PROPOSAL 19-45 CONTRACT AWARD OF 2019 CURED IN PLACE PIPE (CIPP) SEWER LINING PROGRAM

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 19-45:

- a) The bid submitted by Insituform Technologies Ltd. at its tendered price of \$4,528,218.30 (HST excluded), **BE ACCEPTED**, it being noted that the bid submitted by Insituform Technologies Ltd. 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
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May 28, 2018 “Tender T18-48 Supply and Installation of Sewer Liners Cured in Place Pipe (CIPP)”, Civic Works Committee

2019-2023 STRATEGIC PLAN

The following report supports the 2019 – 2023 Strategic Plan through the strategic focus area of *Building a Sustainable City: Infrastructure is built, maintained and operated to meet the long-term needs of our community.*

BACKGROUND

Purpose

To award the annual contract to supply and install cured in place pipe (CIPP) sewer liners.

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 functionally “new” sewer with a life expectancy of 50+ years.

DISCUSSION

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, which greatly reduces 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 infrastructure renewal strategy. Since 2007 there have been 218 km of liners installed through the annual CIPP lining program.

The 2019 sewer lining program includes 8.3 km of storm and sanitary sewer along various streets throughout the City with pipe sizes ranging in diameter from 200mm to 900mm. Sewers to be lined in the 2019 contract include:

- Clarke Road and Trafalgar Street (600 m of 750 mm diameter concrete sanitary sewer),
- Victoria Street to Grosvenor Street Easement (500 m of 900 mm diameter sanitary sewer),
- Riverside Drive (640 m of 450 mm diameter sanitary sewer), and
- 6,550 m of various storm and sanitary sewer with diameters ranging between 200mm and 900mm, for various locations throughout the City of London.

Purchasing Process

Three (3) proposal submissions were received. Insituform Technologies Ltd. was the only bidder that achieved the required technical score (of at least 70%) to move onto the next phase which involved a review of costs. Insituform Technologies Ltd. was the highest scoring technical submission with the best overall score, in accordance with the City’s Procurement and Purchasing Policy.

Each bidder included a Contingency Allowance of \$375,000.00. The value of this award is within the approved 2019 budget for the annual “Specialized Sewer Repairs” program (ES2693).

CONCLUSIONS

Civic Administration recommends Insituform Technologies Ltd. be awarded the construction contact for the 2019 Cured in Place Pipe 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 efficient and cost effective manner.

SUBMITTED BY:	REVIEWED & CONCURRED BY:
TOM COPELAND, P. ENG. DIVISION MANAGER SEWER ENGINEERING DIVISION	SCOTT MATHERS, P. ENG., MPA DIRECTOR WATER AND WASTEWATER
RECOMMENDED BY:	
KELLY SCHERR, P.ENG., MBA, FEC MANAGING DIRECTOR ENVIRONMENTAL AND ENGINEERING SERVICES AND CITY ENGINEER	

November 8, 2019

MAM/mam

Attach: Appendix 'A' - Sources of Financing

c.c. Marcy McKillop
David Jones
Chris Ginty