

TO:	CHAIR AND MEMBERS CIVIC WORKS COMMITTEE MEETING ON MAY 9, 2017
FROM:	KELLY SCHERR, P.ENG, MBA, FEC MANAGING DIRECTOR, ENVIRONMENTAL & ENGINEERING SERVICES AND CITY ENGINEER
SUBJECT	GORDON TRUNK SEWER REHABILITATION PROJECT NO. ES2473 RFP NO. 17-02

RECOMMENDATION

That, on the recommendation of the Managing Director - Environmental and Engineering Services & City Engineer, the following actions **BE TAKEN** with respect to the award of a contract for the construction of the Gordon Trunk Sewer Rehabilitation:

- (a) the proposal submitted by LiquiForce Services at its price of \$1,587,690.74 excluding H.S.T., for the Gordon Trunk Sewer Rehabilitation project **BE ACCEPTED**; it being noted that their submission meets the City's specifications and requirements in all areas and was the best rated proposal using the price-per-point evaluation system and was the low bid;
- (b) the financing for this project **BE APPROVED** as set out in the Sources of Financing Report attached hereto as Appendix "A";
- (c) Dillon Consulting Limited **BE AUTHORIZED** to carry out the resident inspection and contract administration for the said project in accordance with the estimate, on file, at an amount of \$51,150.00 excluding H.S.T, in accordance with Clause 15.2 (g) of the Procurement of Goods and Services Policy;
- (d) the Civic Administration **BE AUTHORIZED** to undertake all the administrative acts that are necessary in connection with this project;
- (e) the approvals 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 (RFP 17-02); and
- (f) 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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CWC Report of 2014-06-16: Gordon Sanitary Trunk Sewer Rehabilitation Project No: ES2473, RFP No. 14-26.

CWC Report of 2014-03-24: Appointment of Consulting Engineer Gordon Sanitary Trunk Sewer Rehabilitation Project No: ES2473.

CWC Report of 2013-07-22: Gordon Sanitary Trunk Sewer Rehabilitation Project No: ES2473, RFP No. 13-21 – Irregular Result

CWC Report of 2013-03-18: Appointment of Consulting Engineer Gordon Sanitary Trunk Sewer Rehabilitation Project No: ES2473.

BNE Report of 2011-07-18: Gordon Sanitary Trunk Sewer Rehabilitation Project No: ES2473 RFP No. 11-24.

BNE Report of 2011-04-11: Appointment of Consulting Engineer Gordon Sanitary Trunk Sewer Rehabilitation Project No: ES2473.

BOC Report of 2010-07-21: Gordon Sanitary Trunk Sewer Rehabilitation Project No: ES2473 RFP No. 10-20.

ETC Report of 2010-05-10: Appointment of Consulting Engineer Gordon Sanitary Trunk Sewer Rehabilitation Project No. ES2473

BOC Report of 2009-09-16: Life Cycle Repairs to Sewer System – South/Old South London, Gordon Trunk Sewer Rehabilitation Project No. ES2692-487/497, ES5140/ES3085

2015-19 STRATEGIC PLAN

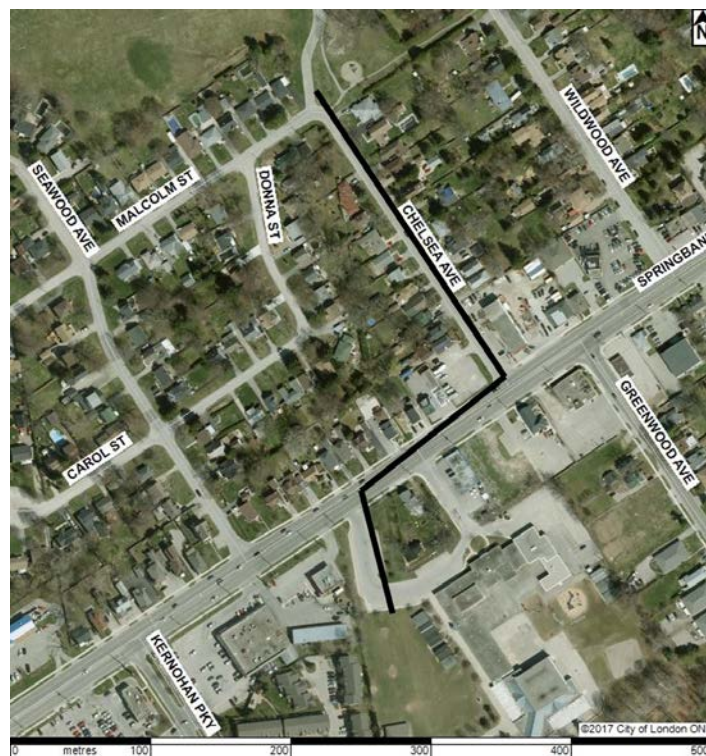
The following report supports the Strategic Plan through the strategic focus area of Building a Sustainable City through rehabilitation of a critical piece of wastewater infrastructure. This will ensure the long term viability of the trunk sewer.

BACKGROUND

Purpose

This report recommends a contract award based on a competitive proposal call. The work on Springbank Drive and Chelsea Avenue is the final phase of rehabilitation of the Gordon Trunk Sewer.

Figure 1: Gordon Trunk Sewer Rehabilitation Project Limits



Context

The Gordon Sanitary Trunk Sewer is a vital piece of infrastructure that services a large portion of the City. It has been extensively damaged by hydrogen sulphide corrosion. Since 2009, projects have rehabilitated or replaced sections of the trunk sewer. Upon completion of this project, the entire trunk sewer will have been replaced or rehabilitated.

DISCUSSION

This project will rehabilitate 450m of 1200mm concrete sewer by lining it with a cured-in-place-pipe (CIPP). Eight (8) maintenance holes will be rehabilitated via SpectraShield Liner Systems. This rehabilitation method will repair the severely corroded maintenance holes and protect them against future corrosion. The product carries a ten year warranty. The trenchless technology proposed on this project eliminates the need to excavate the large sewer.

In order to line the sewer, bypass pumping will be required with pumps running twenty-four hours a day during lining operations. Noise attenuated pumps have been specified to minimize the noise in the neighbourhood. These pumps have been used on several projects previously with no noise complaints resulting from their use.

Request for Proposal

A Request for Proposal (RFP) was issued via a public call for proposals. A proposal, rather than low bid tender, was used due to the sensitivity and complexity of this project. An important part of the project is the bypass pumping, which if executed improperly could result in damage to private property. The City wanted to ensure that bidding Contractors would propose a plan that would address these issues appropriately. The Request for Proposal was reviewed by the City Solicitor's Office prior to issue.

Proposal Evaluation

The review team consisted of four people (two from Dillon, two from the City) individually, then collectively. Prices were not opened until the technical evaluation was complete. The technical feasibility and completeness of each proposal was carefully assessed by the evaluation team and was an important aspect in achieving a good technical score. The areas of technical evaluation were comprised of: experience with CIPP projects, knowledge of local standards and policies, experience in dealing with the public and innovation. Specific points were awarded based on numerous criteria, including but not limited to subcontractors identified in the proposal and their working relationship with City staff, health and safety requirements, "green" practices incorporated into the proposal, and whether the proposal conveyed an effective public relations and communications plan. Evaluators of the RFP also focused on whether the proposal minimized disruption to area residents and businesses while ensuring continual sewer service to the area.

The cost portion of the evaluation was modeled after a scoring system called "Price per Point". This system calculates the average contract price which is used to pro-rate each submission and assigns a weighted point value out of the total available points, with 5 bonus points being awarded to the lowest cost submission. The cost points are then added to the technical review points. This supports both value and low price.

Proposal Results and Financial Implications

Proposals for the rehabilitation of the Gordon Sanitary Trunk Sewer were received and opened on Friday March 17, 2017.

Two (2) contractors submitted proposals. The proposal that had the lowest price per point was submitted by LiquiForce Services, 2015 Spinks Drive, Kingsville, ON. Their proposal had the highest technical score and met the City's specifications and requirements in all areas. The submitted contract price of \$1,587,690.74, excluding H.S.T., was the lowest price of the submitted prices and had the lowest price-per-point ratio, representing the best value to the City of London. One proposal contained a mathematical error, which did not affect the overall ranking of the proposals. All proposals included a contingency allowance of \$150,000.

There are no anticipated additional operating costs to the Environmental and Engineering Services budget in 2017 or subsequent years associated with the approval of this proposal.

Conclusions:

It is recommended that LiquiForce Services be awarded the Gordon Trunk Sewer Rehabilitation project as their proposal meets the City's specifications and requirements in all areas.

Acknowledgements:

This report was prepared by Ashley Rammeloo, P.Eng., Sewer Operations Engineer, of the Sewer Operations Division.

PREPARED BY:	REVIEWED & CONCURRED BY:
RICK PEDLOW, C.E.T. DIVISION MANAGER SEWER OPERATIONS	JOHN LUCAS, P.ENG. DIRECTOR, WATER & WASTEWATER
RECOMMENDED BY:	
KELLY SCHERR, P.ENG., MBA, FEC MANAGING DIRECTOR, ENVIRONMENTAL & ENGINEERING SERVICES AND CITY ENGINEER	

Attach.: Appendix A – Sources of Financing
c.c. LiquiForce Services
Dillon Consulting Limited