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TO:	CHAIR AND MEMBERS CIVIC WORKS COMMITTEE MEETING ON JULY 22, 2013
FROM:	JOHN BRAAM, P.ENG. MANAGING DIRECTOR - ENVIRONMENTAL AND ENGINEERING SERVICES & CITY ENGINEER
SUBJECT	GORDON SANITARY TRUNK SEWER REHABILITATION PROJECT NO. ES2473 RFP NO. 13-21 – IRREGULAR RESULT

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 Sanitary Trunk Sewer Rehabilitation:

- (a) the proposal submitted by LiquiForce Services, 2015 Spinks Dr., Kingsville, ON at its price of \$2,287,000.00 excluding H.S.T., for the Gordon Sanitary Trunk Sewer Rehabilitation project **BE ACCEPTED**; it being noted that Liqui-Force Services was the only contractor to respond to a Request for Proposal and their submission 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) 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 \$54,560.00 excluding H.S.T, based upon the Fee Guideline for Professional Engineering Services, 2006. The award is in accordance with Section 15, 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 these projects; and
- (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 these projects.

PREVIOUS REPORTS PERTINENT TO THIS MATTER
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CWC Report of 2013-03-18, Item 5: Appointment of Consulting Engineer Gordon Sanitary Trunk Sewer Rehabilitation Project No: ES2473.

BNE Report of 2011-07-18, Item 32: Gordon Sanitary Trunk Sewer Rehabilitation Project No: ES2473 RFP No. 11-24.

BNE Report of 2011-04-11, Item 14: Appointment of Consulting Engineer Gordon Sanitary Trunk Sewer Rehabilitation Project No: ES2473.

BOC Report of 2010-07-21, Item 13: Gordon Sanitary Trunk Sewer Rehabilitation Project No: ES2473 RFP No. 10-20.

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

BOC Report of 2009-09-16, Item 2: Life Cycle Repairs to Sewer System – South/Old South London, Gordon Trunk Sewer Rehabilitation Project No. ES2692-487/497, ES5140/ES3085

BACKGROUND

Purpose:

In 2002 the Trunk Sewer Inspection Program revealed that much of the Gordon Trunk Sanitary Sewer was in poor condition due to hydrogen sulphide corrosion. Since then various projects

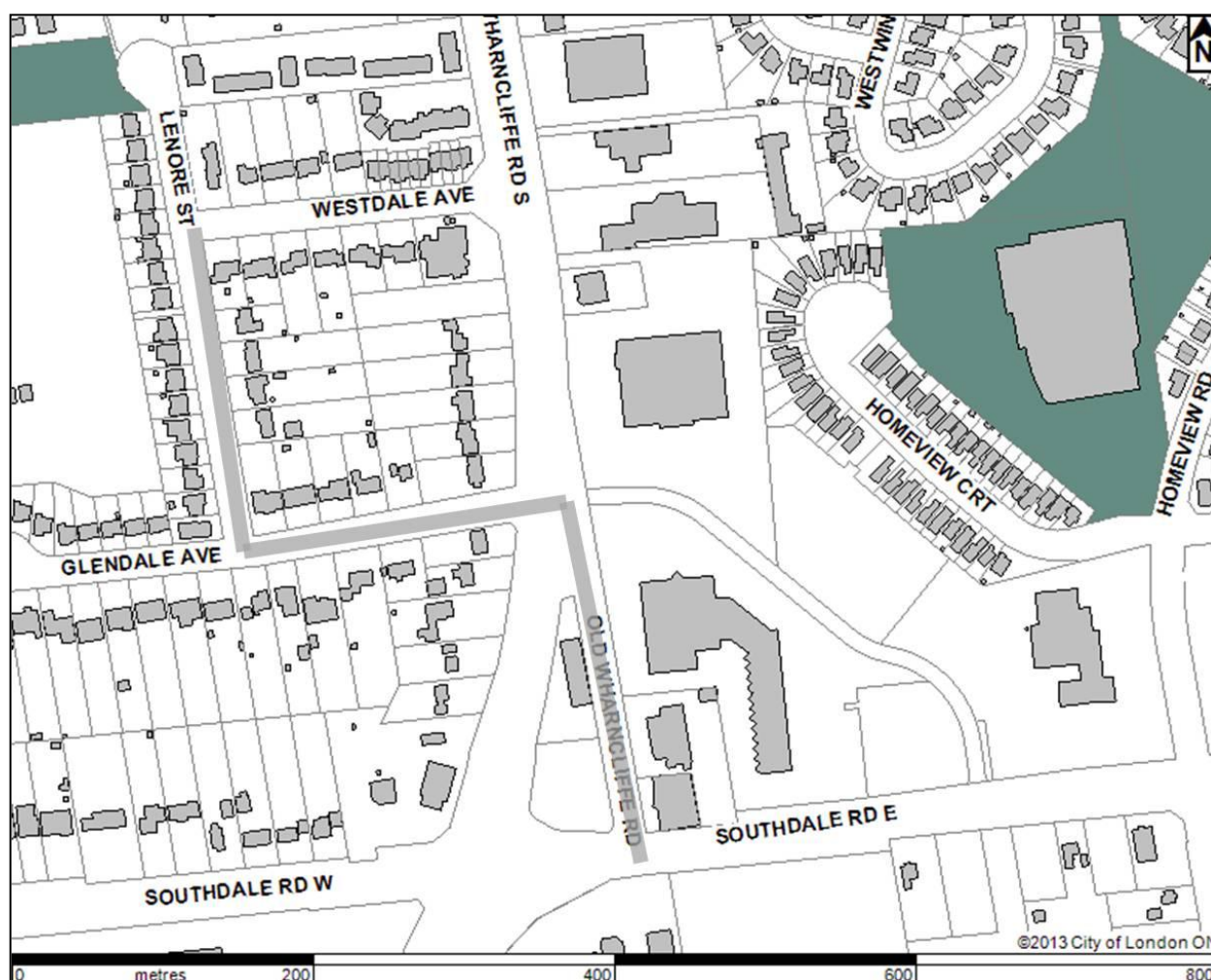
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have been undertaken to rehabilitate and replace sections of this sewer, and to reduce hydrogen sulphide generation. The sewer was re-inspected in 2009, and showed considerable deterioration since the 2002 inspection, highlighting the need for an aggressive rehabilitation program to maintain the viability of the infrastructure. The purpose of this report is to recommend the next phase of rehabilitation on the section of sewer located on Old Wharncliffe Road, Glendale Avenue, and Lenore Street.

Discussion:

Life Cycle Repairs to Sewer System

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. This project will rehabilitate 675m of 1200mm concrete sewer by lining it with a cured-in-place-pipe (CIPP). Eight (8) maintenance structures will be rehabilitated via SpectraShield Liner Systems, a multi-layered system designed for wastewater structures. This rehabilitation method will repair the severely corroded maintenance holes and protect 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 and Purchasing & Supply prior to issue.

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Proposal Evaluation

The review team consisted of five people (3 from Dillon, 2 from the City) individually, then collectively. Prices were not opened until the technical evaluation was complete. The areas of evaluation were comprised of: experience with CIPP projects, knowledge of local standards and policies, experience in dealing with the public, innovation, and cost. 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 & 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.

Cost

Proposals for the rehabilitation of the Gordon Sanitary Trunk Sewer were received and opened on Friday June 21, 2013.

One (1) contractor, LiquiForce Services, submitted a proposal. The proposal received a high technical score, met the City’s specifications and requirements in all areas, and the submitted contract price of \$2,287,000.00 excluding H.S.T., was in line with the pre-bid estimate. The proposal included a contingency allowance of \$200,000. The Manager of Purchasing & Supply reviewed and concurred with the recommendation of Dillon Consulting to award the contract to LiquiForce Services.

There are no anticipated additional operating costs to the Environmental and Engineering Services budget in 2013 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 within the Sewer Operations Division by Ashley Rammeloo, P.Eng., Sewer Operations Engineer.

SUBMITTED BY:	RECOMMENDED BY:
RICK PEDLOW, C.E.T. DIVISION MANAGER SEWER OPERATIONS	JOHN LUCAS, P.Eng. DIRECTOR, WATER & WASTEWATER
REVIEWED AND CONCURRED BY:	
JOHN BRAAM, P.Eng. MANAGING DIRECTOR - ENVIRONMENTAL AND ENGINEERING SERVICES & CITY ENGINEER	