

TO:	CHAIR AND MEMBERS CIVIC WORKS COMMITTEE MEETING ON FEBRUARY 6, 2018
FROM:	KELLY SCHERR, P. ENG., MBA, FEC MANAGING DIRECTOR, ENVIRONMENTAL AND ENGINEERING SERVICES AND CITY ENGINEER
SUBJECT:	CONSULTANT ASSIGNMENT SOUTHEAST PRESSURE ZONE DEVELOPMENT CONSTRUCTION ADMINISTRATION

RECOMMENDATION

That, on the recommendation of the Managing Director, Environmental and Engineering Services and City Engineer, the following actions **BE TAKEN** with respect to Southeast Pressure Zone Development project:

- (a) AECOM Canada Limited **BE AUTHORIZED** to carry out the resident supervision and contract administration for said project in the amount of \$131,604.00 (excluding HST), in accordance with Section 15.2(g) of the Corporation of the City of London's Procurement of Goods and Services Policy;
- (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; and
- (d) 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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- None

2015-2019 STRATEGIC PLAN

This report supports the Strategic Plan in the following areas:

- Building a Sustainable City: robust infrastructure; strong and healthy environment; responsible growth.
- Strengthening our community: healthy, safe, and accessible City.

BACKGROUND

Purpose

This report recommends continuation of consulting services to expand the Southeast Pressure Zone. Under this project, several pressure reducing valve (PRV) chambers will be constructed, which will allow a portion of the current system to receive higher water pressure. This larger pressure zone will be serviced by the newly commissioned Southeast Reservoir and Pumping Station. This project has been identified in previous water master plans.

Context

The proposed pressure zone would boost pressures to the largely industrial southeast portion of the City. A map of the area is included as Appendix "B". This expanded

pressure zone, in conjunction with the newly commissioned Southeast Reservoir and Pumping Station, will increase level of service from both a pressure and reliability perspective.

To complete the pressure zone expansion, two new PRV chambers will need to be constructed and one existing PRV chamber will need to be retrofitted. One of the new chambers will be on Dingman Drive, east of White Oak Road, and another will be on White Oak Road, between highways 401 and 402. These will form part of the new boundary for the pressure zone. A third existing PRV chamber will be retrofitted with mechanical and electrical components to bring the equipment into compliance with modern standards and allow connection to the City's Supervisory Control and Data Acquisition (SCADA) system. Other minor works required to finalize the pressure zone will be carried out by City Water Operations staff.

AECOM Canada Limited was awarded the preliminary and detailed design of the Southeast Pressure Zone Development project in 2011. In 2016, AECOM prepared the tender documents for the project and provided support to the City during the tendering phase. The results of the 2016 tender were considered irregular under Section 8.10 of the City of London's Procurement of Goods and Services Policy because there was only one bid received. In order to ensure competitive pricing, it was decided not to award the project and to re-tender the work at a later time.

DISCUSSION

The City anticipates re-tendering of the work in early 2018. The next steps will be preparation of the tender documents and issuing the package for tender. Due to their knowledge and experience with this project, AECOM was requested to submit a proposal to carry out the tender preparation, contract administration, and resident supervision for this project. Staff have reviewed the fee submission, in detail, considering the hourly rates provided by each of the consultant's staff members. City staff have confirmed that the hourly rates are consistent with those submitted through the competitive process. City staff also reviewed the time allocated to each project related task. The amount of time allocated to each project task is consistent with prior projects of a similar nature.

The City's requirement for the creation of record drawings, following construction, necessitates the reviewing engineer seal them on the basis of field verification and ongoing involvement. This requirement promotes consultant accountability for the design. Consequently, the continued use of AECOM, who created and sealed the design drawings, is required in order to maintain this accountability process.

Procurement Process

In accordance with Section 15.2 (g) of the City of London's Procurement of Goods and Services Policy, it is recommended that AECOM be authorized to carry out the remainder of engineering services to complete this project for the provided fee estimate of \$131,604.00, including contingency and excluding HST.

CONCLUSIONS

AECOM Canada Limited has demonstrated an understanding of the City requirements for this project, and it is recommended that this firm continue as the consulting engineer. The use of AECOM for the remainder of engineering services for this project is in the best financial and technical interests of the City.

Acknowledgements

This report was prepared by Michelle Morris, E.I.T., of the Water Engineering Division.

PREPARED BY:	REVIEWED & CONCURRED BY:
AARON ROZENTALS, P. ENG. DIVISION MANAGER, WATER ENGINEERING	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	

January 26, 2018

Attach: Appendix 'A' – Sources of Financing
Appendix 'B' – Location Map

CC. John Freeman – City of London
Gary McDonald – City of London
Michelle Morris, E.I.T. – City of London
Neil Awde, P.Eng. – AECOM Canada Limited