

## Report to Civic Works Committee

**To:** Chair and Members  
Civic Works Committee

**From:** Kelly Scherr, P.Eng., MBA, FEC  
Deputy City Manager, Environment and Infrastructure

**Subject:** Appointment of Consulting Engineers for the Infrastructure  
Renewal Program

**Date:** April 9, 2024

## Recommendation

That on the recommendation of the Deputy City Manager, Environment and Infrastructure, the following actions **BE TAKEN** with respect to the appointment of consulting engineers for the Infrastructure Renewal Program:

- (a) The following consulting engineers **BE APPOINTED** to carry out consulting services for the identified Infrastructure Renewal Program funded projects, at the upset amounts identified below, in accordance with the estimate on file, and in accordance with Section 15.2(e) of the City of London's Procurement of Goods and Services Policy:
  - (i) Spriet Associates London Limited **BE APPOINTED** consulting engineers to complete the pre-design, and detailed design of Contract 5 – Craig Street from Ridout Street to Wortley Road, reconstruction, in the total amount of \$182,579.10 (including contingency), excluding HST;
  - (ii) GM BluePlan Engineering Limited **BE APPOINTED** consulting engineers to complete the pre-design, and detailed design of Contract 6 – Evangeline Street from Second Street to Third Street, and Third Street from Dundas Street to Culver Drive, reconstruction, in the total amount of \$380,677.00 (including contingency), excluding HST;
  - (iii) Archibald, Gray & McKay Engineering Ltd. **BE APPOINTED** consulting engineers to complete the pre-design and detailed design of Contract 8 – Central Avenue, from Elizabeth Street to Ontario Street, reconstruction, in the total amount of \$292,600.00 (including contingency), excluding HST;
  - (iv) Dillon Consulting Limited **BE APPOINTED** consulting engineers to complete the pre-design and detailed design of Contract 9 – Rectory Street, from Little Simcoe Street to Florence Street, reconstruction, in the total amount of \$249,689.55 (including contingency), excluding HST;
- (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; and
- (e) the Mayor and City Clerk **BE AUTHORIZED** to execute any contract or other documents, if required, to give effect to these recommendations.

## Executive Summary

The Infrastructure Renewal Program is an annual program intended to maintain the lifecycle and operation of municipal infrastructure at an acceptable performance level. The engineering consultants work with city staff to complete the Infrastructure Renewal Program projects and meet the challenging infrastructure lifecycle replacement needs. The engineering consulting work recommended within this report will support the reconstruction of an estimated \$21,500,000 of capital infrastructure.

This report recommends the award of engineering consultant appointments for the

Infrastructure Renewal Program. These consultant appointments will lead to infrastructure construction projects planned for 2025. A detailed project information list, including planned timing and project limits, is attached in Appendix 'B'. Project location maps are attached in Appendix 'C'.

It is noted that this is the first round of Infrastructure Renewal Program projects to be released this year. It is anticipated that there will be an additional two rounds of projects released this year.

## **Linkage to the Corporate Strategic Plan**

This recommendation supports the following 2023-2027 Strategic Plan areas of focus:

- Mobility and Transportation:
  - Londoners can move around the city safely and easily in a manner that meets their needs by incorporating cycling infrastructure and safety enhancements.
- Climate Action and Sustainable Growth:
  - The infrastructure gap is managed for all assets;
  - London's infrastructure is built, maintained, and secured to support future growth and protect the environment; and
  - London has a strong and healthy environment by incorporating stormwater management quantity and quantity controls to protect downstream waterways, wetlands, watersheds and natural areas.

## **Analysis**

### **1.0 Background Information**

#### **1.1 Previous Reports Related to this Matter**

- CWC – May 28, 2018 – Revised Grouped Consultant Selection Process.
- Civic Works Committee – June 21, 2022, Appointment of Consulting Engineers for the Infrastructure Renewal Program, Recommendation a) (iv).

### **2.0 Discussion and Considerations**

#### **2.1 Work Description**

The Infrastructure Renewal Program projects include watermain and sewer replacement/repairs, as well as restoration of areas disturbed by the construction activity. The scope of each project varies in length and depends on the infrastructure components requiring rehabilitation or replacement. Full road reconstruction will be part of the projects.

The City infrastructure design groups within each service area work closely together to co-ordinate infrastructure repair, rehabilitation and replacement. City staff prepare a list of the highest priority projects, taking into consideration condition assessment, capacity, criticality of the infrastructure link, and the safety and social impacts should the infrastructure link fail. City staff meet regularly throughout the year to co-ordinate their respective work with the goal of aligning construction projects so more than one infrastructure element can be renewed, which significantly reduces social disruption and saves on construction costs. Design work starts early in the budget cycle which allows projects to tender early in the season, so the most competitive construction pricing can be realized.

This report recommends the appointment of engineering consultants for four engineering assignments as identified in Appendix 'B'. All of the projects are scheduled for construction in 2025. The proposed construction year and physical limits of the project assignments are summarized in Appendix 'B', and a location map is provided for each project in Appendix 'C'.

Highlights of the projects include:

- Contract 5 – Craig Street reconstruction will result in the removal of 319.1 metres of combined sewer;
- Contract 6 – Evangeline Street and Third Street reconstruction is the third phase in the overall Pottersburg Creek trunk sanitary sewer realignment;
- Contract 8 – Central Avenue reconstruction will result in the removal of 557.9 metres of combined sewer; and
- Contract 9 – Rectory Street reconstruction will set up future phases of infrastructure renewal work and will proactively replace an aging sanitary sewer under the CN railway crossing that is at the end of its lifecycle.

Funds have been budgeted in the water and sewer capital budgets to support the engineering work for the projects identified in Appendix 'A', 'Sources of Financing'. The design fees for the new projects, recommended for approval in this report, are summarized in Table 1 below. All values below include 10% contingency and exclude HST.

Table 1: Summary of Project Assignments

| <b>Contract</b> | <b>Street(s)</b>                   | <b>Consultant</b>                        | <b>Design Fee</b> |
|-----------------|------------------------------------|--|-------------------|
| 5               | Craig Street                       | Spriet Associates London Limited         | \$182,579.10      |
| 6               | Evangeline Street and Third Street | GM BluePlan Engineering Limited          | \$380,677.00      |
| 8               | Central Avenue                     | Archibald, Gray & McKay Engineering Ltd. | \$292,600.00      |
| 9               | Rectory Street                     | Dillon Consulting Limited                | \$249,689.55      |

### **3.0 Financial Impact/Considerations**

#### **3.1 Procurement Process**

The engineering consultant selection procedure for the Infrastructure Renewal Program utilized a grouped consultant selection process developed in partnership with the Financial Services - Purchasing and Supply Division, subsequently approved by Council June 12, 2018 and is used for all Infrastructure Renewal Program consultant appointments. This two-stage grouped procurement process is in accordance with Section 15.2(e) of the Procurement of Goods and Services Policy.

The first stage of the process is an open, publicly advertised Request for Qualifications. Statement of Qualifications submissions were received from a province wide group of nineteen prospective consultants. The Statement of Qualifications were evaluated by the Environmental Engineering Services Department resulting in a short-list group of eleven engineering consulting firms.

The second stage of the process is a competitive Request for Proposal. Consultants from the short listed group are invited to submit a formal proposal to undertake a specific engineering assignment. Three consultants were invited to submit a proposal for each of the identified project assignments.

An evaluation of the proposals was undertaken by the Environment and Infrastructure Department including both a technical and cost component. Engineering consultants are recommended based on their knowledge and understanding of project goals, their experience on directly related projects, their project team members, capacity and qualifications, and overall project fee.

## **Conclusion**

Replacing infrastructure at the end of its lifecycle is essential to building a sustainable city. The recommended engineering consultant assignments for the Infrastructure

Renewal Program are another step forward in replacing London's aging infrastructure. The projects discussed within this report have been identified as high priority due to the age, poor condition and associated risk of failure associated with the infrastructure.

All the firms recommended through this engineering consultant appointment have shown their competency and expertise with infrastructure replacement projects of this type.

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**Submitted by:** **Ashley Rammeloo, MMSc, P.Eng.**  
**Director, Water, Wastewater, and Stormwater**

**Recommended by:** **Kelly Scherr, P.Eng., MBA, FEC**  
**Deputy City Manager, Environment and Infrastructure**

cc: D. Gough, K. Johnson, K. Chambers.

Appendix 'A' – Sources of Financing

Appendix 'B' – Project Information List

Appendix 'C' – Location Maps