

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 Contract
Administration Services: 2022 Infrastructure Renewal
Program

Date: March 29, 2022

Recommendation

That on the recommendation of Deputy City Manager, Environment and Infrastructure, the following actions **BE TAKEN** with respect to the appointment of consulting engineers for the 2022 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(g) of the City of London's Procurement of Goods and Services Policy:
 - (i) Dillon Consulting Limited (Dillon) **BE APPOINTED** consulting engineers to complete the resident inspection and contract administration of 2022 Infrastructure Renewal Project Regent Street and William Street, in the total amount of \$498,142.70 (including contingency), excluding HST;
 - (ii) GM Blueplan Engineering Limited (GM Blueplan) **BE APPOINTED** consulting engineers to complete the resident inspection and contract administration of Pottersburg Phase 1 Contract 6: Dundas Street, Spruce Street, and Burdick Place reconstruction, in the total amount of \$384,120.00 (including contingency), excluding HST;
 - (iii) Archibald, Gray & McKay Engineering Ltd (AGM) **BE APPOINTED** consulting engineers to complete the resident inspection and contract administration of Contract 5: Glen Cairn Phase 1 reconstruction, in the total amount of \$360,800.00 (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

Purpose

The purpose of this report is to award engineering consultant appointments for the resident inspection and contract administration for three projects which are part of the 2022 Infrastructure Renewal Program. These consultant appointments will lead to infrastructure renewal construction projects in 2022.

Context

The Infrastructure Renewal Program is an annual program intended to maintain the lifecycle and operation of municipal infrastructure at an acceptable level of service. The

engineering consultants work with city staff to complete the Infrastructure Renewal Program projects to meet the challenging infrastructure lifecycle replacement needs. The engineering consulting work recommended within this report will support the reconstruction of an estimated \$13,300,000 of capital infrastructure.

Linkage to the Corporate Strategic Plan

This recommendation supports the following 2019-2023 Strategic Plan areas of focus:

- Building a Sustainable City:
 - London's infrastructure is built, maintained, and operated to meet the long-term needs of our community by replacing aged and failing infrastructure with new materials and sizing new infrastructure to accommodate future development.

Analysis

1.0 Background Information

1.1 Previous Reports Related to this Matter

- CWC – June 19, 2018 – Appointment of Consulting Engineers Infrastructure Renewal Program
- CWC – September 22, 2020 – Appointment of Consulting Engineers Infrastructure Renewal Program

2.0 Discussion and Considerations

2.1 Work Description

The Infrastructure Renewal Program projects include watermain and sewer replacement, 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 overall projects.

The following engineering assignments were previously awarded for detailed design and tender preparation. The limits for the three projects are identified as follows:

- Dillon completed the detailed design assignment for Regent Street and William Street which includes **Regent Street** from Maitland Street to William Street and **William Street** from Huron Street to Regent Street
- GM Blueplan completed the detailed design assignment for Pottersburg Phase 1 which includes **Dundas Street** from First Street to Burdick Place; **Spruce Street** from Dundas Street to Pottersburg creek; and **Burdick Place** from Dundas Street to Pottersburg creek
- AGM completed the detailed design assignment for Glen Cairn Phase 1 which includes **Chesterfield Avenue** from Thompson Road to Shirl Street; and **Westlake Street** from Chesterfield Avenue to Gladstone Avenue.

All three projects are scheduled for construction in 2022 with the construction tenders anticipated to be awarded through the Administrative Approval of Tender Acceptance/Contract Award (AATACA), which was recently increased to an upset limit of \$6 Million. Location maps are provided for each project in Appendix 'B'.

3.0 Financial Impact/Considerations

3.1 Consulting Engineer Services

Due to the knowledge and positive performance on the detailed design assignments,

each consultant was invited to submit a proposal to carry out the resident inspection and contract administration for their project. A summary of the fees is included in Table 1. All values include 10% contingency and exclude HST.

Table 1: Summary of Project Assignments

Assignment	Consultant	Resident Inspection and Contract Administration Fee	Total Fees Including Previously Awarded Fees
Regent Street and William Street	Dillon	\$498,142.70	\$926,570.70
Pottersburg Phase 1	GM Blueplan	\$384,120.00	\$800,734.00
Glen Cairn Phase 1	AGM	\$360,800.00	\$624,800.00

Staff have reviewed the fee submissions, including the time allocated to each project task, along with hourly rates provided by each of the consultant's staff members. The submissions were found to be consistent with other Infrastructure Renewal Program assignments of similar scope. The continued use of the identified consultant on each project for resident inspection and contract administration is of financial advantage to the City because the firm has specific knowledge of the project and has undertaken work for which duplication would be required if another firm were to be selected.

In addition to the financial advantage, there are also accountability and risk reduction benefits. The City requires a Professional Engineer to seal all construction drawings. These 'record drawings' are created based on field verification and ongoing involvement by the Professional Engineer. This requirement promotes consultant accountability for the design of these projects, and correspondingly, reduces the City's overall risk exposure. Consequently, the continued use of the consultant who created and sealed the design drawings is required in order to maintain this accountability process and to manage risk.

In accordance with Section 15.2 (g) of the City of London's Procurement of Goods and Services Policy, civic administration is recommending that the engineering services associated with the resident inspection and contract administration services be awarded to ensure that the City receives the product specified and associated value.

Funds have been budgeted in the Water, Sewer, and Transportation capital budgets to support the engineering work for the projects as identified in Appendix 'A', 'Sources of Financing'.

Conclusion

Replacing infrastructure at the end of its lifecycle is essential to building a sustainable city. The recommended engineering consultant assignments for the 2022 Infrastructure Renewal Program will allow the construction projects to be completed in the best financial and technical interests of the City. All the firms recommended through this engineering consultant appointment have shown their competency and expertise with infrastructure replacement projects of this type. It is recommended that Dillon, GM Blueplan, and AGM continue as the consulting engineers on their respective projects for the purpose of resident inspection and contract administration services in accordance with Section 15.2(g) of the City of London's Procurement of Goods and Services Policy.

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

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

cc: D. Gough, S. Romano, A. Rozentals

Appendix 'A' – Sources of Financing

Appendix 'B' – Location Maps