

TO:	CHAIR AND MEMBERS CIVIC WORKS COMMITTEE MEETING ON NOVEMBER 12, 2018
FROM:	KELLY SCHERR, P. ENG., MBA, FEC MANAGING DIRECTOR, ENVIRONMENTAL AND ENGINEERING SERVICES AND CITY ENGINEER
SUBJECT:	APPOINTMENT OF CONSULTING ENGINEER INFRASTRUCTURE RENEWAL PROGRAM – CONTRACT C DUNDAS STREET FROM ADELAIDE STREET TO ONTARIO STREET

RECOMMENDATION

That on the recommendation of the Managing Director, Environmental and Engineering Services and City Engineer, the following actions **BE TAKEN** with respect to the appointment of a Consulting Engineer for the Infrastructure Renewal Program - Contract C Project on Dundas Street from Adelaide Street to Ontario Street:

- a) Dillon Consulting Limited **BE APPOINTED** Consulting Engineers to carry out consulting services in the amount of \$1,046,147.82 excluding HST, in accordance with Section 15.2(e) of the City of London’s Procurement of Goods and Services Policy;
- b) the financing for this appointment **BE APPROVED** in accordance with 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 appointment;
- d) the approvals given, herein, **BE CONDITIONAL** upon the Corporation entering into a formal contract with the consultant for the project; and,
- e) 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
--

- Civic Works Committee – June 8, 2016 – Appointment of Consulting Engineers, Infrastructure Renewal Program
- Civic Works Committee – April 17, 2018 – 2018 Infrastructure Renewal Program, Consultant Construction Supervision Awards, Cavendish Crescent and Avalon Street Projects
- Civic Works Committee – June 19, 2018 – Appointment of Consulting Engineers Infrastructure Renewal Program

2015 - 2019 STRATEGIC PLAN

The following report supports the 2015 – 2019 Strategic Plan through the strategic focus area of Building a Sustainable City by implementing and enhancing mobility choices for cyclists, transit, automobile users and pedestrians. This project will also manage and improve water, wastewater, and stormwater infrastructure.

BACKGROUND

Purpose

The purpose of this report is to appoint an engineering consultant for the Infrastructure Renewal Program – Contract ‘C’ Project on Dundas Street from Adelaide Street to Ontario Street.

Context

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 projects and meet the challenging infrastructure lifecycle replacement needs. In June 2018, Council approved the assignments for various projects throughout the City with it being noted that this project on Dundas Street would have a separate award schedule due to two studies with public engagement components, that could have an influence on the design and scope. The two separate studies are not yet complete but have progressed enough that the design of this project can commence.

DISCUSSION

Procurement Process

The engineering consultant selection for the 2019 – 2020 Infrastructure Renewal Program utilized a grouped procurement process developed in partnership with the Purchasing and Supply Division. The process is completed in two stages and includes an open, publicly advertised Request for Qualifications (RFQ), and a subsequent Request for Proposal submitted by short-listed engineering consulting firms. Based on the Request for Proposal evaluation, engineering consultants were matched with a project, and fee submissions were reviewed by city staff. This two-stage grouped procurement process is in accordance with Section 15.2(e) of the Procurement of Goods and Services Policy. This is the second year utilizing the two-stage grouped procurement process for the Infrastructure Renewal Program. The Grouped Consultant Selection Process that was approved by Council June 12, 2018 will be used for all future Infrastructure Renewal Program consultant appointments beginning in 2020.

While Construction Administration fees were included in some of the previous engineering consultant assignments under this program, they have not been included with this assignment due to the complexity of the project.

City staff have reviewed the fee submission, in detail, considering the hourly rates provided for each consulting staff member. City staff have confirmed that hourly rates are consistent with those submitted through competitive processes. City staff have also reviewed the time allocated to each project related task. City staff can confirm the amount of time allocated to each project task is consistent with prior projects of a similar nature.

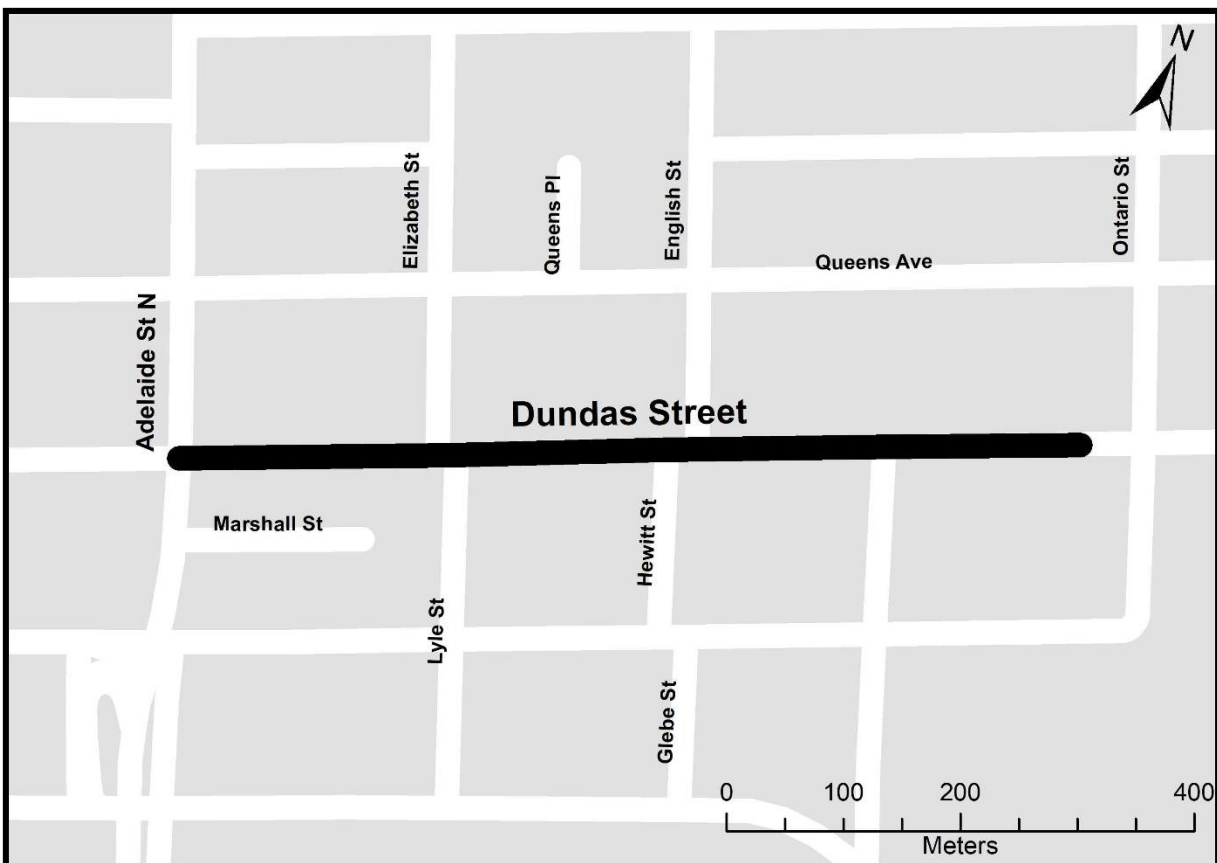
Work Description

The City's 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.

This report recommends the appointment of an engineering consultant for the last project on the 2019-2020 Infrastructure Renewal Program. The location map below (Figure 1) shows the limits of the work. This project is scheduled to begin construction in 2020 with a possible two-year construction duration. The initiation of this project has been delayed due to the Dundas OEV Secondary Plan and the East-West Bikeway Corridor Evaluation. In order to make the first phase of construction in 2020, the design timeline is compressed and aggressive.

This infrastructure renewal project includes watermain and sewer replacement/repairs, as well as restoration of the streetscape and traffic signal and street light replacement as required. This assignment will build upon the consultation that has occurred during the development of the Dundas Street Old East Village (OEV) Secondary Plan and the East-West Bikeway Corridor Evaluation. The urban design elements identified in these plans will form the basis of the project design with additional refinement to be determined through this assignment.

Figure 1 – Location Map



Funds have been budgeted in the transportation, water and sewer capital budgets to support the engineering design work for the projects identified in Appendix A, Source of Financing Report. The design fees for this project, recommended for approval in this report, are based on the project scope described below. The fee includes a 10% contingency and excludes HST.

The consultant assignment will include the following actions:

- Consultation with the Old East Village BIA, community association and the broader community with consideration of the unique retail environment on Dundas Street and servicing upgrade interactions at zero-setback properties;
- Urban design considerations including streetscaping and on-street parking
- Cycling facility improvements to be determined through the East-West Bikeway Corridor Evaluation;
- Investigation, review, compile, and refinement of drainage area plans to develop a sanitary and storm drainage area plans for the area and the preparation of the detailed plans for the necessary replacement;
- Investigation of opportunities and constraints to include and design for low impact development (LID) stormwater controls to meet runoff volume control targets, including the preparation of an operation and maintenance plan for the

- LID;
- Investigation and preparation of plans for the replacement of the 200 mm watermain between Elizabeth Street and Rectory Street;
 - Investigation and review existing fire protection in the area and design improvements to meet City of London Standards;
 - Road reconstruction to meet arterial road standards including boulevard improvements streetscape improvements; and,
 - Design for traffic signal and streetlighting improvements within the project limits.

Dillon Consulting Limited provided a full proposal which considered the complexity of the project and addressed all of the items noted above with an upset Design Fee estimated at \$1,046,147.82 (excluding HST).

CONCLUSION

Replacing infrastructure at the end of its lifecycle is essential to building a sustainable city. The recommended engineering consultant assignment for this important project is another step forward in replacing London’s aging infrastructure. The project discussed within this report has been identified as high priority due to the age, poor condition and associated risk of failure associated with the infrastructure. The assignment will also undertake detailed urban design considerations in consultation with the community considering the unique nature of the Dundas Street commercial environment.

In the spirit of continuous improvement, the process for undertaking engineering consultant appointments will continue to evolve ensuring the City achieves the best value through a transparent, fair and competitive process. Dillon Consulting Limited has shown their competency and expertise with infrastructure replacement projects of this type in the past. The Infrastructure Renewal Program will continue to ensure high value and endeavour to achieve a consistently high degree of public satisfaction.

Acknowledgements

This report was prepared by Jane Fullick, CET, Senior Technologist, and Karl Grabowski, P. Eng., Transportation Design Engineer, of the Transportation Planning and Design Division.

SUBMITTED BY:	RECOMMENDED BY:
DOUG MACRAE, P.ENG., MPA DIRECTOR, ROADS AND TRANSPORTATION	KELLY SCHERR, P.ENG., MBA, FEC MANAGING DIRECTOR ENVIRONMENTAL & ENGINEERING SERVICES AND CITY ENGINEER

DWM/jef

Attach: Appendix A – Sources of Financing

c: John Freeman, Manager, Purchasing and Supply
 Gary McDonald, Budget Analyst
 Dillon Consulting Limited, 130 Dufferin Avenue, Suite 1400