

## 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:** June 21, 2022

## 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) MTE Consultants **BE APPOINTED** consulting engineers to complete the pre-design, detailed design and construction administration of Assignment A, Foster Avenue from Oxford Street to Edinburgh Street, in the total amount of \$290,236.32 (including contingency), excluding HST;
  - (ii) Spriet Associates **BE APPOINTED** consulting engineers to complete the pre-design, detailed design, and construction administration of Assignment B, Platts Lane from Oxford Street to Cherryhill Place, in the total amount of \$415,712.00 (including contingency), excluding HST;
  - (iii) Dillon Consulting Limited **BE APPOINTED** consulting engineers to complete the pre-design, detailed design and construction administration of Assignment C, Regent Street from Maitland Street to Colborne Street and Fraser Avenue from Regent Street to Huron Street reconstruction, in the total amount of \$478,167.58 (including contingency), excluding HST;
  - (iv) GM BluePlan Engineering Limited **BE APPOINTED** consulting engineers to complete the pre-design and detailed design of Assignment D, Leonard Street from Burdick Place to Second Street and Second Street from South of Leonard Avenue to North of Pottersburg Creek reconstruction, in the total amount of \$294,074.00 (including contingency), excluding HST;
  - (v) AECOM Canada Limited **BE APPOINTED** consulting engineers to complete the pre-design and detailed design of Assignment E, York Street from Clarence Street to Colborne Street reconstruction, in the total amount of \$498,875.00 (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 Infrastructure Renewal Program. These consultant appointments will lead to infrastructure construction projects in 2023 and 2024. A detailed project information list, including timing and project limits, is contained in Appendix 'B'. Project location maps are contained in Appendix 'C'.

### 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 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 \$16,400,000 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;
  - Londoners can move around the city safely and easily in a manner that meets their needs by incorporating cycling infrastructure and safety enhancements; and
  - London has a strong and healthy environment by incorporating stormwater management quantity and quantity controls to protect downstream waterways.

## Analysis

### 1.0 Background Information

#### 1.1 Previous Reports Related to this Matter

- CWC – May 28, 2018 – Revised Grouped Consultant Selection Process.

### 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 overall 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 five engineering design assignments as identified in Appendix 'B'. All of the projects are scheduled for construction in 2023 and 2024. 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'.

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', 'Sources of Financing'. The design and construction administration 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

Assignment	Street(s)	Consultant	Design Fee	Construction Administration Fee	Total Fee
A	Foster Avenue	MTE Consultants	\$106,590.00	\$183,646.32	\$290,236.32
B	Platts Lane	Spriet Associates	\$209,519.20	\$206,192.80	\$415,712.00
C	Regent Street / Fraser Avenue	Dillon Consulting Limited	\$272,693.08	\$205,474.50	\$478,167.58
D	Burdick Place/Second Street	GM BluePlan Engineering Limited	\$294,074.00	\$0	\$294,074.00
E	York Street	AECOM	\$498,875.00	\$0	\$498,875.00

### 3.0 Financial Impact/Considerations

#### 3.1 Procurement Process

The engineering consultant selection procedure for the 2023/2024 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 which will be used for all future 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 fifteen engineering consulting firms. This short-list of fifteen firms will be retained for a three year period (this is the first year). After this period, the Request for Qualifications process will be initiated again.

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.

The construction administration fee portion of the engineering consultant assignments is

included for those projects of lower complexity, and for projects where construction administration fees can be reasonably estimated prior to the start of the design. Including construction administration fees as part of the initial consultant assignment reduces the number of required reports to committee and reduces the time required to award the final construction contract.

## **Conclusion**

Replacing infrastructure at the end of its lifecycle is essential to building a sustainable city. The recommended engineering consultant assignments for the 2023/2024 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.

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. All the firms recommended through this engineering consultant appointment have shown their competency and expertise with infrastructure replacement projects of this type. The Infrastructure Renewal Program will continue to ensure high value and endeavour to achieve a consistently high degree of public satisfaction.

**Prepared by:** Ashley M. Rammeloo, MSc., P.Eng., Division Manager, Sewer Engineering

**Prepared by:** Stephen Romano, M.Eng., P.Eng., Acting Division Manager, Water Engineering

**Submitted by:** Aaron Rozentals, GDPA, P.Eng., Acting Director, Water, Wastewater, and Stormwater

**Recommended by:** Kelly Scherr, P.Eng., MBA, FEC, Managing Director, Environmental and Engineering Services and City Engineer

**CC:** D. Gough, K. Chambers, A. Shinwari

Appendix 'A' – Sources of Financing

Appendix 'B' – Project Information List

Appendix 'C' – Location Maps

## Appendix "A"

**#22090**

June 21, 2022

(Appoint Consulting Engineers)

Chair and Members

Civic Works Committee

RE: Appointment of Consulting Engineers for the Infrastructure Renewal Program

(Subledger WS23C00A) Assignment A - Foster Avenue

(Subledger WS23C00B) Assignment B - Platts Lane

(Subledger WS23C00C) Assignment C - Regent Street and Fraser Avenue

(Subledger WS23C00D) Assignment D - Leonard Street and Second Street

(Subledger WS23C00E) Assignment E - York Street

Capital Project ES241422 - Infrastructure Renewal Program - Sanitary Sewers

Capital Project ES254022 - Infrastructure Renewal Program - Stormwater Sewers and Treatment

Capital Project EW376522 - Infrastructure Renewal Program - Watermains

Capital Project TS144622 - Road Networks Improvements

MTE Consultants - \$290,236.32 (excluding HST) Assignment A

Spruet Associates - \$415,712.00 (excluding HST) Assignment B

Dillon Consulting Limited - \$478,167.58 (excluding HST) Assignment C

GM BluePlan Engineering Limited - \$294,074.00 (excluding HST) Assignment D

AECOM Canada Limited - \$498,875.00 (excluding HST) Assignment E

### Finance Supports Report on the Sources of Financing:

Finance Supports confirms that the cost of this project can be accommodated within the financing available for it in the Capital Budget and that, subject to the approval of the recommendation of the Deputy City Manager, Environment and Infrastructure, the detailed source of financing is:

Estimated Expenditures	Approved Budget	Committed To This Date	This Submission	Balance for Future Work
<b>ES241422- Infrastructure Renewal Program - Sanitary Sewers</b>				
Engineering	2,000,000	3,550	552,793	1,443,657
Construction	10,409,529	1,321,289	0	9,088,240
City Related Expenses	25,000	630	0	24,370
<b>ES241422 Total</b>	<b>12,434,529</b>	<b>1,325,469</b>	<b>552,793</b>	<b>10,556,267</b>
<b>ES254022 - Infrastructure Renewal Program - Stormwater Sewers and Treatment</b>				
Engineering	2,000,000	170,645	552,793	1,276,562
Construction	10,334,529	8,917,644	0	1,416,885
City Related Expenses	100,000	630	0	99,370
<b>ES254022 Total</b>	<b>12,434,529</b>	<b>9,088,919</b>	<b>552,793</b>	<b>2,792,817</b>
<b>EW376522 - Infrastructure Renewal Program - Watermains</b>				
Engineering	2,500,000	474,619	737,057	1,288,324
Construction	14,919,975	9,953,119	0	4,966,856
<b>EW376522 Total</b>	<b>17,419,975</b>	<b>10,427,738</b>	<b>737,057</b>	<b>6,255,180</b>
<b>TS144622 - Road Networks Improvements</b>				
Engineering	1,000,000	101,421	169,218	729,361
Construction	12,234,266	1,888,862	0	10,345,404
<b>TS144622 Total</b>	<b>13,234,266</b>	<b>1,990,283</b>	<b>169,218</b>	<b>11,074,765</b>
<b>Total Expenditures</b>	<b>\$55,523,299</b>	<b>\$22,832,409</b>	<b>\$2,011,861</b>	<b>\$30,679,029</b>

**Appendix "A"**

**#22090**

June 21, 2022

(Appoint Consulting Engineers)

Chair and Members

Civic Works Committee

RE: Appointment of Consulting Engineers for the Infrastructure Renewal Program

(Subledger WS23C00A) Assignment A - Foster Avenue

(Subledger WS23C00B) Assignment B - Platts Lane

(Subledger WS23C00C) Assignment C - Regent Street and Fraser Avenue

(Subledger WS23C00D) Assignment D - Leonard Street and Second Street

(Subledger WS23C00E) Assignment E - York Street

<b>Sources of Financing</b>	<b>Approved Budget</b>	<b>Committed To This Date</b>	<b>This Submission</b>	<b>Balance for Future Work</b>
<b>ES241422- Infrastructure Renewal Program - Sanitary Sewers</b>				
Capital Sewer Rates	7,934,529	0	0	7,934,529
Drawdown from Sewage Works Renewal Reserve Fund	2,250,000	0	0	2,250,000
Canada Community-Building Fund	2,250,000	1,325,469	552,793	371,738
<b>ES241422 Total</b>	<b>12,434,529</b>	<b>1,325,469</b>	<b>552,793</b>	<b>10,556,267</b>
<b>ES254022 - Infrastructure Renewal Program - Stormwater Sewers and Treatment</b>				
Capital Sewer Rates	1,269,668	1,269,668	0	0
Drawdown from Sewage Works Renewal Reserve Fund	8,914,861	5,569,251	552,793	2,792,817
Canada Community-Building Fund	2,250,000	2,250,000	0	0
<b>ES254022 Total</b>	<b>12,434,529</b>	<b>9,088,919</b>	<b>552,793</b>	<b>2,792,817</b>
<b>EW376522 - Infrastructure Renewal Program - Watermains</b>				
Capital Water Rates	12,175,544	9,684,312	737,057	1,754,175
Drawdown from Water Works Renewal Reserve Fund	4,501,005	0	0	4,501,005
Canada Community-Building Fund	743,426	743,426	0	0
<b>EW376522 Total</b>	<b>17,419,975</b>	<b>10,427,738</b>	<b>737,057</b>	<b>6,255,180</b>
<b>TS144622 - Road Networks Improvements</b>				
Drawdown from Transportation Renewal Reserve Fund	2,595,185	0	0	2,595,185
Canada Community-Building Fund	10,639,081	1,990,283	169,218	8,479,580
<b>TS144622 Total</b>	<b>13,234,266</b>	<b>1,990,283</b>	<b>169,218</b>	<b>11,074,765</b>
<b>Total Financing</b>	<b>\$55,523,299</b>	<b>\$22,832,409</b>	<b>\$2,011,861</b>	<b>\$30,679,029</b>

<b>Financial Note: (Excluding HST)</b>	<b>ES241422</b>	<b>ES254022</b>	<b>EW376522</b>	<b>TS144622</b>
<b>Listed by Engineer and Contract</b>				
MTE Consultants - Assignment A	\$87,071	\$87,071	\$116,094	\$0
Spriet Associates - Assignment B	124,713	124,714	166,285	0
Dillon Consulting Limited - Assignment C	143,451	143,450	191,267	0
GM BluePlan Engineering Limited - Assignment D	88,222	88,222	117,630	0
AECOM Canada Limited - Assignment E	99,775	99,775	133,033	166,292
<b>Total Per Capital Project (Excluding HST)</b>	<b>\$543,232</b>	<b>\$543,232</b>	<b>\$724,309</b>	<b>\$166,292</b>

## Appendix "A"

#22090

June 21, 2022

(Appoint Consulting Engineers)

Chair and Members

Civic Works Committee

RE: Appointment of Consulting Engineers for the Infrastructure Renewal Program

(Subledger WS23C00A) Assignment A - Foster Avenue

(Subledger WS23C00B) Assignment B - Platts Lane

(Subledger WS23C00C) Assignment C - Regent Street and Fraser Avenue

(Subledger WS23C00D) Assignment D - Leonard Street and Second Street

(Subledger WS23C00E) Assignment E - York Street

---

### Financial Note: (Excluding and Including HST)

#### Listed by Engineer and Contract

	<b>Total Excluding HST</b>	<b>Total Including HST</b>
MTE Consultants - Assignment A	\$290,236	\$295,344
Spriet Associates - Assignment B	\$415,712	\$423,029
Dillon Consulting Limited - Assignment C	\$478,168	\$486,583
GM BluePlan Engineering Limited - Assignment D	\$294,074	\$299,250
AECOM Canada Limited - Assignment E	\$498,875	\$507,655
<b>Total Per Capital Project (Including HST)</b>	<b>\$1,977,065</b>	<b>\$2,011,861</b>

### Financial Note: Charges per Capital Project

	<b>ES241422</b>	<b>ES254022</b>	<b>EW376522</b>	<b>TS144622</b>
Contract Price	\$543,232	\$543,232	\$724,309	\$166,292
Add: HST @13%	70,620	70,620	94,160	21,618
Total Contract Price Including Taxes	613,852	613,852	818,469	187,910
Less: HST Rebate	-61,059	-61,059	-81,412	-18,692
Net Contract Price	<b>\$552,793</b>	<b>\$552,793</b>	<b>\$737,057</b>	<b>\$169,218</b>

### Financial Note: Charges per Capital Project continued

	<b>Total</b>
Contract Price	\$1,977,065
Add: HST @13%	<u>\$257,018</u>
Total Contract Price Including Taxes	2,234,083
Less: HST Rebate	<u>-\$222,222</u>
Net Contract Price	<b>\$2,011,861</b>

---

Jason Davies  
Manager of Financial Planning & Policy

jg

**Appendix 'B' - Project Information List**

<u>Assignment</u>	<u>Consultant</u>	<u>Street</u>	<u>From</u>	<u>To</u>	<u>Length (m)</u>	<u>Construction Year</u>
A	MTE Consultants	Foster Avenue	Oxford Street	Edinburgh Street	370	2023
B	Spriet Associates (London) Limited	Platts Lane	Oxford Street	Cherryhill Place	240	2023
C	Dillon Consulting Limited	Regent Street	Maitland Street	Colborne Street	230	2023
		Fraser Avenue	Regent Street	Huron Street	160	2023
D	GM BluePlan Engineering Limited	Leonard Street	Burdick Place	Second Street	140	2024
		Second Street	South of Leonard Street	North of Pottersburg Creek	290	2024
E	AECOM Canada Limited	York Street	Clarence Street	Colborne Street	695	2024-2025



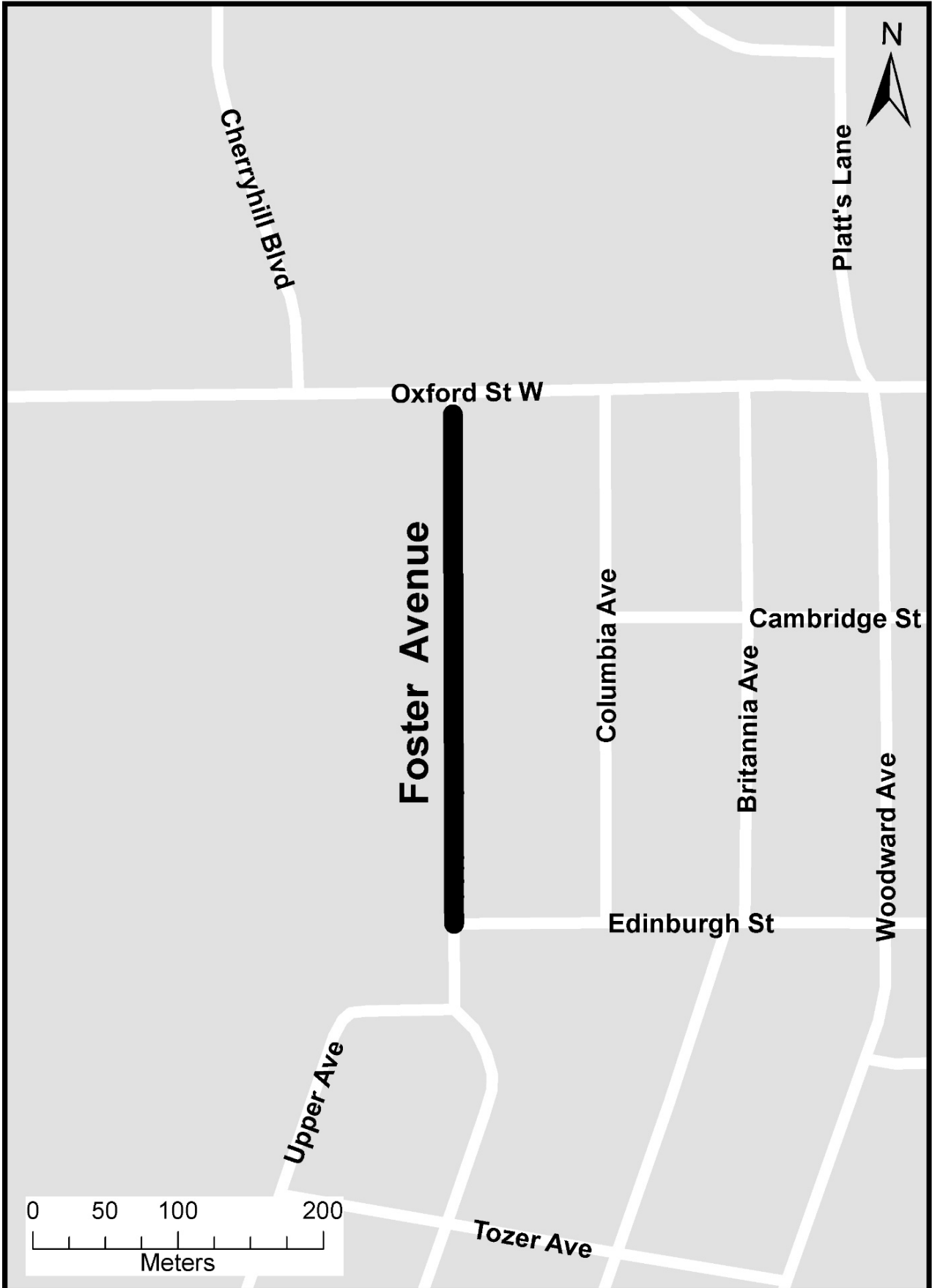
# Appendix 'C' - Location Maps



## 2023 Infrastructure Renewal Program Assignment A

London  
CANADA

Foster Avenue from Edinburgh Street to Oxford Street West





# 2023 Infrastructure Renewal Program Assignment B

London  
CANADA

Platts Lane from Oxford Street West to Cherryhill Place

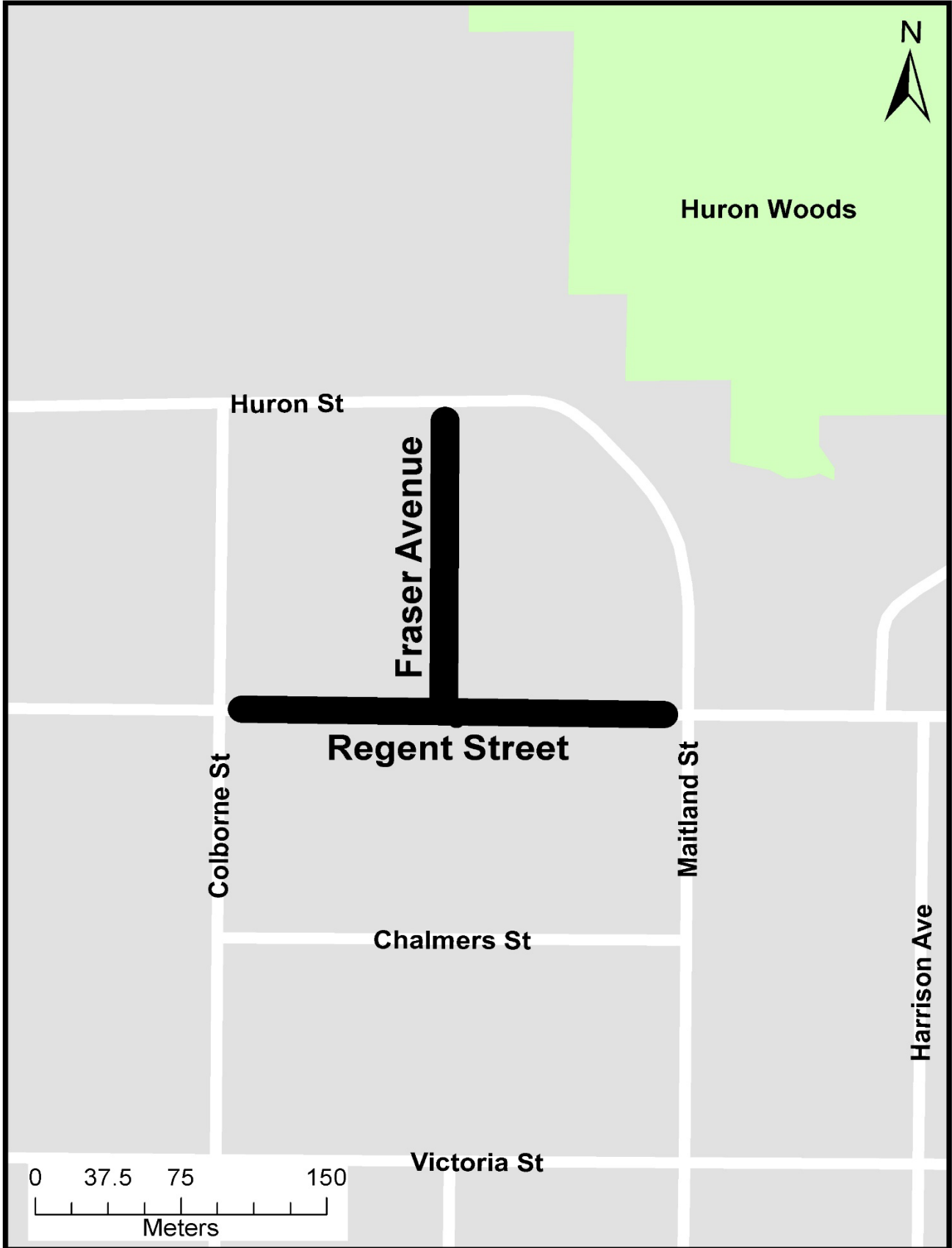




# 2023 Infrastructure Renewal Program Assignment C

London  
CANADA

Regent Street from Colborne Street to Maitland Street  
Fraser Avenue from Regent Street to Huron Street

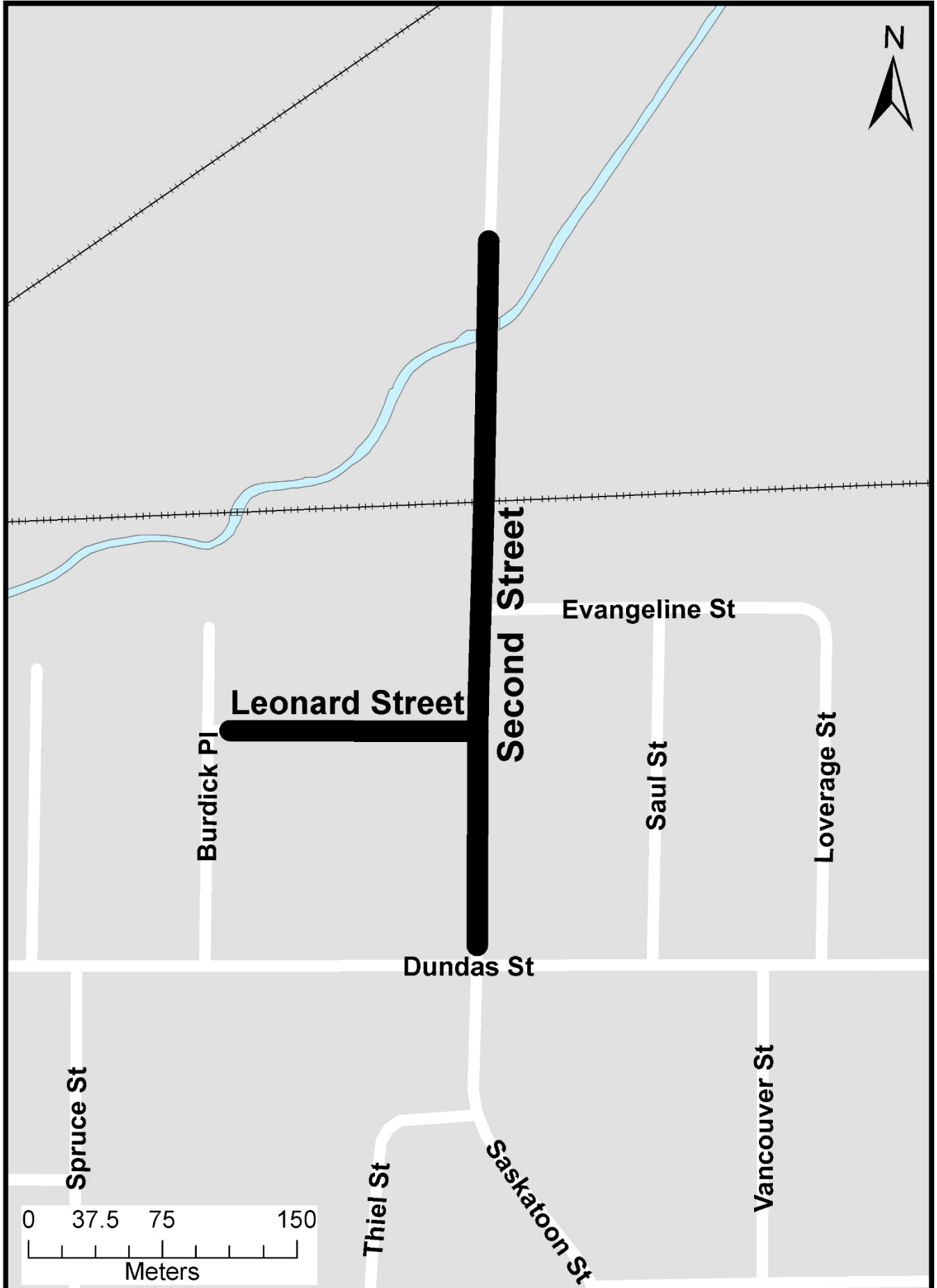




# 2023/2024 Infrastructure Renewal Program Assignment D

London  
CANADA

Leonard Street from Burdick Place to Second Street  
Second Street from Dundas Street to ± 40m north of Pottersburg Creek





# 2023/2024 Infrastructure Renewal Program Assignment E

London  
CANADA

York Street from Clarence Street to Colborne Street

