

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: Round 4

Date: November 12, 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 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 for the reconstruction of Childers Street, from Brydges Street to Wilton Avenue, and Wilton Avenue, from Childers Street to Ashland Avenue in the total amount of \$242,145.20 (including contingency), excluding HST;
 - (ii) Development Engineering (London) Limited **BE APPOINTED** consulting engineers to complete the pre-design, and detailed design for the reconstruction of Bridle Path, from Kipps Lane to north limit, and Country Lane, from Kipps Lane to Bridle Path in the total amount of \$272,107.00 (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

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.

This report recommends the award of engineering consultant appointments to support the reconstruction of an estimated \$6,500,000 of capital infrastructure in 2026. Project location maps are attached in Appendix 'B'.

Linkage to the Corporate Strategic Plan

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

- Climate Action and Sustainable Growth:
 - The infrastructure gap is managed for all assets; and
 - London's infrastructure is built, maintained, and secured to support future growth and protect the environment.

Analysis

1.0 Background Information

1.1 Previous Reports Related to this Matter

- CWC – May 28, 2018 – Revised Grouped Consultant Selection Process
- CWC – April 9, 2024 – Appointment of Consulting Engineers for the Infrastructure Renewal Program
- CWC – June 11, 2024 – Appointment of Consulting Engineers for the Infrastructure Renewal Program: Round 2
- CWC – July 16, 2024 – Appointment of Consulting Engineers for the Infrastructure Renewal Program: Round 3

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 construction. 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 two engineering assignments. A location map is provided for each project in Appendix 'B'.

Highlights of the projects are:

- Childers Street and Wilton Avenue reconstruction includes the installation of a new municipal storm sewer which will result in the removal of 261.7 meters of combined sewer, along with renewal of water infrastructure and new concrete curb and gutters; and
- Bridle Path and Country Lane reconstruction will proactively replace water and sewer infrastructure that has significantly deteriorated in condition and requires replacement to ensure reliable service for residents.

Funds have been budgeted in the water and wastewater 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

Street(s)	Consultant	Design Fee	Construction Administration Fee	Total Fee
Childers Street and Wilton Avenue	Spriet Associates London Limited	\$242,145.20	-	\$242,145.20
Bridle Path and Country Lane	Development Engineering (London) Limited	\$272,107.00	-	\$272,107.00

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 aging watermains and sewers is essential to maintain reliable infrastructure networks. The recommended engineering consultant assignments for the Infrastructure Renewal Program support the replacement and upgrading of 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.

Prepared by: Kyle Chambers, P.Eng.
Division Manager, Sewer Engineering

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, A. Rozentals, I. Harris

Appendix 'A' – Sources of Financing

Appendix 'B' – Location Map

Appendix "A"

#24204

November 12, 2024
(Appoint Consulting Engineers)

Chair and Members
Civic Works Committee

RE: Infrastructure Renewal Program: Round 4
Capital Project EW376523 - Infrastructure Renewal Program - Watermains
Capital Project ES241423 - Infrastructure Renewal Program - Sanitary Sewers
Capital Project ES254023 - Infrastructure Renewal Program - Stormwater Sewers and Treatment
Spriet Associates London Limited - \$242,145.20 (excluding HST) (Subledger WS25C007)
Development Engineering (London) Limited - \$272,107.00 (excluding HST) (Subledger WS25C010)

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 Date	This Submission	Balance for Future Work
EW376523 - Infrastructure Renewal Program - Watermains				
Engineering	2,974,905	1,833,512	209,322	932,071
Construction	17,725,306	17,331,958	0	393,348
Relocate Utilities	1,457	0	0	1,457
City Related Expenses	993	993	0	0
EW376523 Total	20,702,661	19,166,463	209,322	1,326,876
ES241423 - Infrastructure Renewal Program - Sanitary Sewers				
Engineering	2,131,465	1,631,864	156,992	342,609
Engineering (Utilities Share)	106,054	106,054	0	0
Land Acquisition	5,000	5,000	0	0
Construction	12,882,206	12,083,887	0	798,319
Construction (Utilities Share)	1,168,347	1,168,347	0	0
City Related Expenses	1,098	1,098	0	0
ES241423 Total	16,294,170	14,996,250	156,992	1,140,928
ES254023 - Infrastructure Renewal Program - Stormwater Sewers and Treatment				
Engineering	1,916,539	1,176,521	156,991	583,027
Construction	11,428,354	11,428,354	0	0
City Related Expenses	100,000	1,984	0	98,016
EW376523 Total	13,444,893	12,606,859	156,991	681,043
Total Expenditures	\$50,441,724	\$46,769,572	\$523,305	\$3,148,847

Sources of Financing

EW376523 - Infrastructure Renewal Program - Watermains				
Capital Water Rates	12,193,444	12,193,444	0	0
Drawdown from Water Works Renewal Reserve Fund	7,084,217	5,548,019	209,322	1,326,876
Canada Community-Building Fund	1,425,000	1,425,000	0	0
EW376523 Total	20,702,661	19,166,463	209,322	1,326,876
ES241423 - Infrastructure Renewal Program - Sanitary Sewers				
Capital Sewer Rates	9,471,479	9,471,479	0	0
Drawdown from Sewage Works Renewal Reserve Fund	3,298,290	2,000,370	156,992	1,140,928
Canada Community-Building Fund	2,250,000	2,250,000	0	0
Other Contributions	1,274,401	1,274,401	0	0
ES241423 Total	16,294,170	14,996,250	156,992	1,140,928
ES254023 - Infrastructure Renewal Program - Stormwater Sewers and Treatment				
Capital Sewer Rates	1,242,500	1,242,500	0	0
Drawdown from Sewage Works Renewal Reserve Fund	9,952,393	9,114,359	156,991	681,043
Canada Community-Building Fund	2,250,000	2,250,000	0	0
EW376523 Total	13,444,893	12,606,859	156,991	681,043
Total Financing	\$50,441,724	\$46,769,572	\$523,305	\$3,148,847

Appendix "A"

#24204

November 12, 2024
(Appoint Consulting Engineers)

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RE: Infrastructure Renewal Program: Round 4
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	EW376523	EW376523	EW376523
Financial Note (Total by Project)	Spriet	Development	Total
Contract Price	\$96,858	\$108,843	\$205,701
Add: HST @13%	12,592	14,150	26,742
Total Contract Price Including Taxes	109,450	122,993	232,443
Less: HST Rebate	-10,887	-12,234	-23,121
Net Contract Price	\$98,563	\$110,759	\$209,322

	ES241423	ES241423	ES241423
Financial Note (Total by Project)	Spriet	Development	Total
Contract Price	\$72,644	\$81,632	\$154,276
Add: HST @13%	9,444	10,612	20,056
Total Contract Price Including Taxes	82,088	92,244	\$174,332
Less: HST Rebate	-8,165	-9,175	-17,340
Net Contract Price	\$73,923	\$83,069	\$156,992

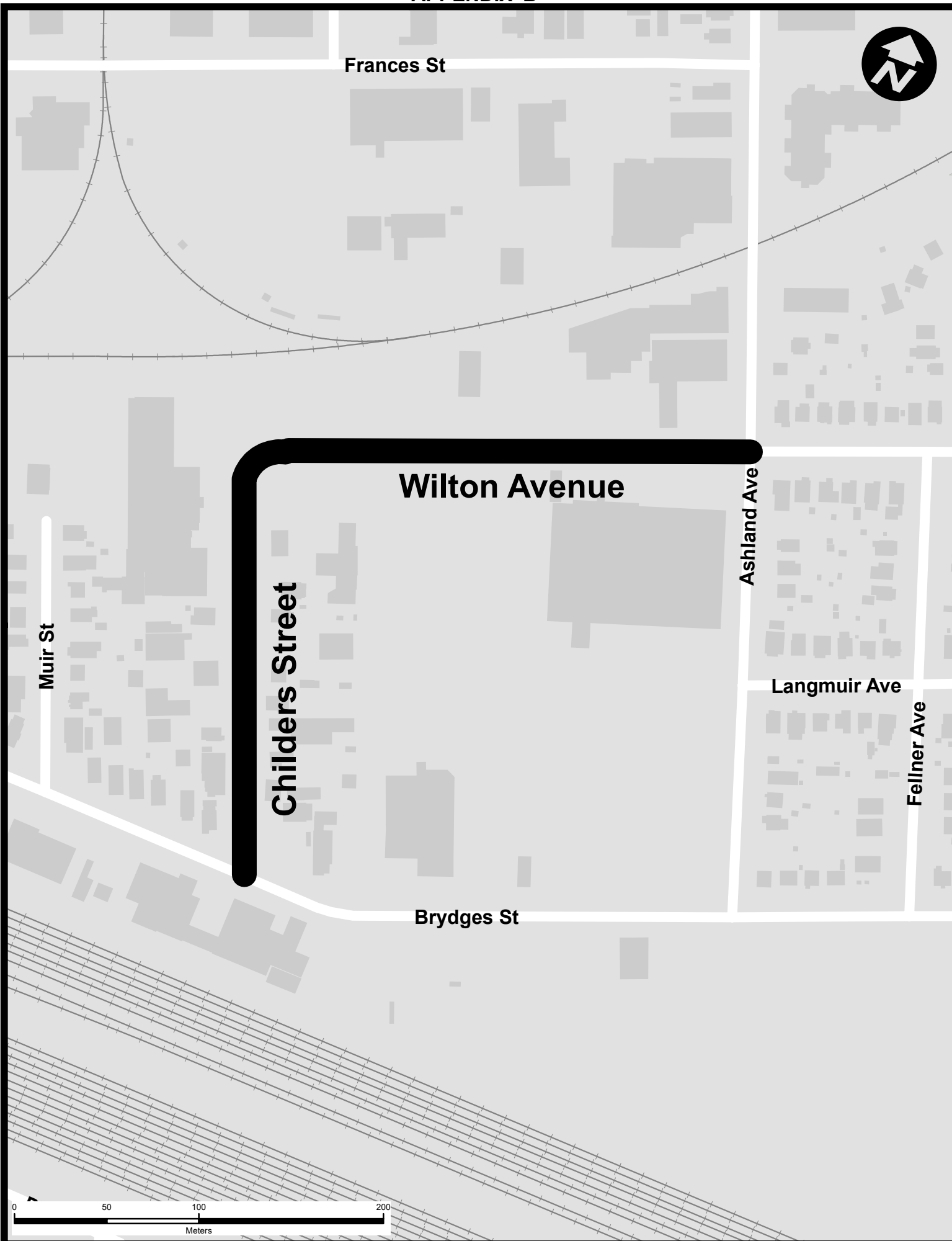
	ES254023	ES254023	ES254023
Financial Note (Total by Project)	Spriet	Development	Total
Contract Price	\$72,643	\$81,632	\$154,275
Add: HST @13%	9,444	10,612	20,056
Total Contract Price Including Taxes	82,087	92,244	\$174,331
Less: HST Rebate	-8,165	-9,175	-17,340
Net Contract Price	\$73,922	\$83,069	\$156,991

Financial Note (Total by Company)	Spriet	Development	Total
Contract Price	\$242,145	\$272,107	\$514,252
Add: HST @13%	31,480	35,374	66,854
Total Contract Price Including Taxes	273,625	307,481	\$581,106
Less: HST Rebate	-27,217	-30,584	-57,801
Net Contract Price	\$246,408	\$276,897	\$523,305

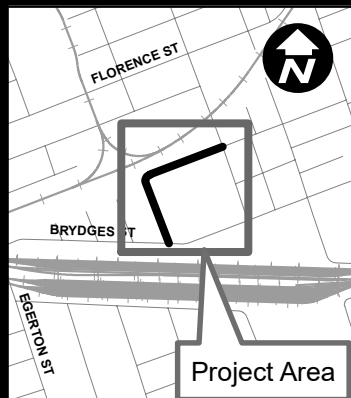
Jason Davies
Manager of Financial Planning & Policy

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APPENDIX 'B'



LOCATION MAP




2026 Infrastructure Renewal Program

Childers Street from Brydges Street to Wilton Avenue
Wilton Avenue from Childers Street to Ashland Avenue

Map Produced by
the Sewer
Engineering
Division
September 6, 2024 CM



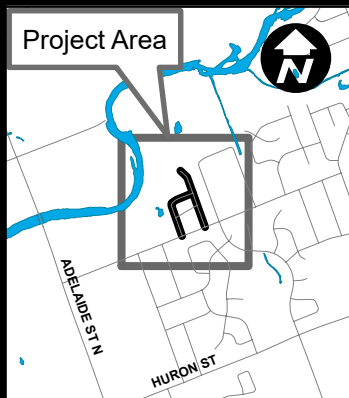
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 Approximate Project Limits

APPENDIX 'B'



LOCATION MAP



2026 Infrastructure Renewal Program

Country Lane from Kipps Lane to Bridle Path
Bridle Path from Kipps Lane to north limit

 Approximate Project Limits

Map Produced by
the Sewer
Engineering
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