

## Report to Civic Works Committee

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

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

**Subject:** Appointment of Consulting Engineer for Construction  
Administration Services  
2021 Infrastructure Renewal Program  
Talbot Street

**Date:** March 30, 2021

## 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 consulting services for the construction administration of the 2021 Infrastructure Renewal Program Talbot Street project:

- (a) R.V. Anderson Associates Limited, **be authorized** to carry out the resident inspection and contract administration for the Talbot Street project in accordance with the estimate, on file, at an upset amount of \$309,524.60, including 10% contingency, excluding HST, in accordance with Section 15.2 (g) of the City of London's Procurement of Goods and Services Policy.
- (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

This report recommends the continuation of consulting engineer services for construction administration of the 2021 Infrastructure Renewal Program Talbot Street project. This project will reconstruct Talbot Street from Victoria Street to Huron Street.

### Context

Talbot Street has been identified for reconstruction under the annual Infrastructure Renewal Program as the sanitary sewer, storm sewer and watermain within the project limits are at the end of their useful life. A location map depicting the approximate limits of the reconstruction project is provided in Appendix 'B'.

## 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.

# Analysis

## 1.0 Background Information

### 1.1 Previous Reports Related to this Matter

- Civic Works Committee – July 17, 2017, Appointment of Consulting Engineers, Infrastructure Renewal Program 2017-2019, Recommendation b) (v).

## 2.0 Discussion and Considerations

### 2.1 Project Description

The Talbot Street project includes the following improvements:

- Watermain replacement including water service renewal to the property line,
- Storm sewer and sanitary sewer replacement,
- Partial replacement of existing private drain connections,
- Renewal of existing sidewalk where required, and
- Full road reconstruction including new asphalt, curb, and gutter.

Infrastructure replacement needs have been coordinated within the Environmental and Engineering Services Department. The funding for this project comes from the approved 2021 Wastewater and Treatment, Water, and Transportation capital works budgets.

### 2.2 Domestic Action Plan

One of the municipal actions identified in the City of London's Domestic Action Plan (DAP) for Phosphorus Reduction is combined sewer replacement. The DAP states:

'The City of London will accelerate plans to separate combined sewers, including the design and construction of necessary stormwater outlets, with the target of separating 80 per cent (17 kilometres) of its combined sewer system by 2025.'

This target for combined sewer replacement is contingent on federal and provincial funding. The following table provides the length of combined sewer replacement achieved for this project in relation to the DAP targets.

Table 1: Summary of Domestic Action Plan Targets

<b>2016 – 2025 Combined Sewer DAP Target (km)</b>	<b>Prior DAP Combined Sewer Removed/Separated (km)</b>	<b>This Project – Combined Sewer Removed/Separated (km)</b>	<b>Remaining Combined Sewer (km) to Achieve Target</b>
17 km	6.6 km	0.2 km	9.4 km*

\*includes Brydges Street, Swinyard Street, Muir Street (RFT21-12) and Talbot Street (RFT21-10) sewer separation.

The Talbot Street project achieves the removal of approximately 200 meters of combined sewer, as the City continues to work towards achieving its DAP targets.

## 3.0 Financial Impact/Considerations

### 3.1 Consulting Engineer Services

R.V. Anderson Associates Limited was awarded the detailed design of the Talbot Street project by Council on July 25, 2017. Due to the consultant's knowledge and positive performance on the detailed design, the consultant was invited to submit a proposal to carry out the resident inspection and contract administration for the project. R.V. Anderson Associates Limited submitted a proposal which includes an upset limit of \$309,524.60, including 10% contingency, excluding HST.

Staff have reviewed the fee submission, including the time allocated to each project task, along with hourly rates provided by each of the consultant's staff members. That review of assigned personnel, time per project task, and hourly rates was consistent with other Infrastructure Renewal Program assignments of similar scope. The continued use of R.V. Anderson Associates Limited on this project for construction 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 R.V. Anderson Associates Limited be authorized to carry out the remainder of engineering services, as construction administrators, for a fee estimate of \$309,524.60, including 10% contingency, excluding HST. These fees are associated with the construction resident inspection and contract administration services to ensure that the City receives the product specified and associated value. The approval of this work will bring the total engineering services for this project to \$491,734.60, including 10% contingency, excluding HST, for both detailed design and construction administration.

## **Conclusion**

R.V. Anderson Associates Limited has demonstrated an understanding of the City's requirements for this project, and it is recommended that this firm continue as the consulting engineer for the purpose of resident inspection and contract administration services, as it is in the best financial and technical interests of the City.

**Prepared by:** Aaron Rozentals, GDPA, P.Eng., Division Manager,  
Water Engineering

**Submitted by:** Scott Mathers, MPA, P.Eng., Director, Water and  
Wastewater

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

**CC:** D. Gough, C. Ginty, K. Chambers, A. Rammeloo

Appendix 'A' – Sources of Financing

Appendix 'B' – Location Map

**Appendix "A"**

**#21033**

March 30, 2021

(Appoint Consulting Engineer)

Chair and Members

Civic Works Committee

RE: Construction Administration Services - 2021 Infrastructure Renewal Program - Talbot Street

(Subledger WS18C004)

Capital Project ES241421 - Infrastructure Renewal Program - Sanitary Sewers

Capital Project ES254021 - Infrastructure Renewal Program - Stormwater Sewers and Treatment

Capital Project EW376520 - Infrastructure Renewal Program - Watermains

R.V. Anderson Associates Limited - \$309,524.60 (excluding HST)

**Finance and Corporate Services Report on the Sources of Financing:**

Finance and Corporate Services 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 Managing Director, Environmental and Engineering Services and City Engineer, the detailed source of financing is:

<b>Estimated Expenditures</b>	<b>Approved Budget</b>	<b>Committed To This Date</b>	<b>This Submission</b>	<b>Balance for Future Work</b>
<b>ES241421 - Infrastructure Renewal Program - Sanitary Sewers</b>				
Engineering	2,000,000	120,568	94,491	1,784,941
Construction	11,615,864	2,978,915	0	8,636,949
City Related Expenses	25,000	0	0	25,000
<b>ES241421 Total</b>	<b>13,640,864</b>	<b>3,099,483</b>	<b>94,491</b>	<b>10,446,890</b>
<b>ES254021 - Infrastructure Renewal Program - Stormwater Sewers and Treatment</b>				
Engineering	2,000,000	114,142	94,492	1,791,366
Construction	7,944,576	2,970,567	0	4,974,009
City Related Expenses	100,000	0	0	100,000
<b>ES254021 Total</b>	<b>10,044,576</b>	<b>3,084,709</b>	<b>94,492</b>	<b>6,865,375</b>
<b>EW376520 - Infrastructure Renewal Program - Watermains</b>				
Engineering	3,077,209	2,915,735	125,989	35,485
Construction	14,814,352	12,193,015	0	2,621,337
Utilities	1,457	1,457	0	0
City Related Expenses	96	96	0	0
<b>EW376520 Total</b>	<b>17,893,114</b>	<b>15,110,303</b>	<b>125,989</b>	<b>2,656,822</b>
<b>Total Expenditures</b>	<b>\$41,578,554</b>	<b>\$21,294,495</b>	<b>\$314,972</b>	<b>\$19,969,087</b>

**Sources of Financing**

<b>ES241421 - Infrastructure Renewal Program - Sanitary Sewers</b>				
Capital Sewer Rates	9,140,864	849,483	94,491	8,196,890
Drawdown from Sewage Works Reserve Fund	2,250,000	0	0	2,250,000
Federal Gas Tax	2,250,000	2,250,000	0	0
<b>ES241421 Total</b>	<b>13,640,864</b>	<b>3,099,483</b>	<b>94,491</b>	<b>10,446,890</b>
<b>ES254021 - Infrastructure Renewal Program - Stormwater Sewers and Treatment</b>				
Capital Sewer Rates	820,480	820,480	0	0
Drawdown from Sewage Works Reserve Fund	6,974,096	14,229	94,492	6,865,375
Federal Gas Tax	2,250,000	2,250,000	0	0
<b>ES254021 Total</b>	<b>10,044,576</b>	<b>3,084,709</b>	<b>94,492</b>	<b>6,865,375</b>

**Appendix "A"**

**#21033**

March 30, 2021

(Appoint Consulting Engineer)

Chair and Members

Civic Works Committee

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(Subledger WS18C004)

Capital Project ES241421 - Infrastructure Renewal Program - Sanitary Sewers

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R.V. Anderson Associates Limited - \$309,524.60 (excluding HST)

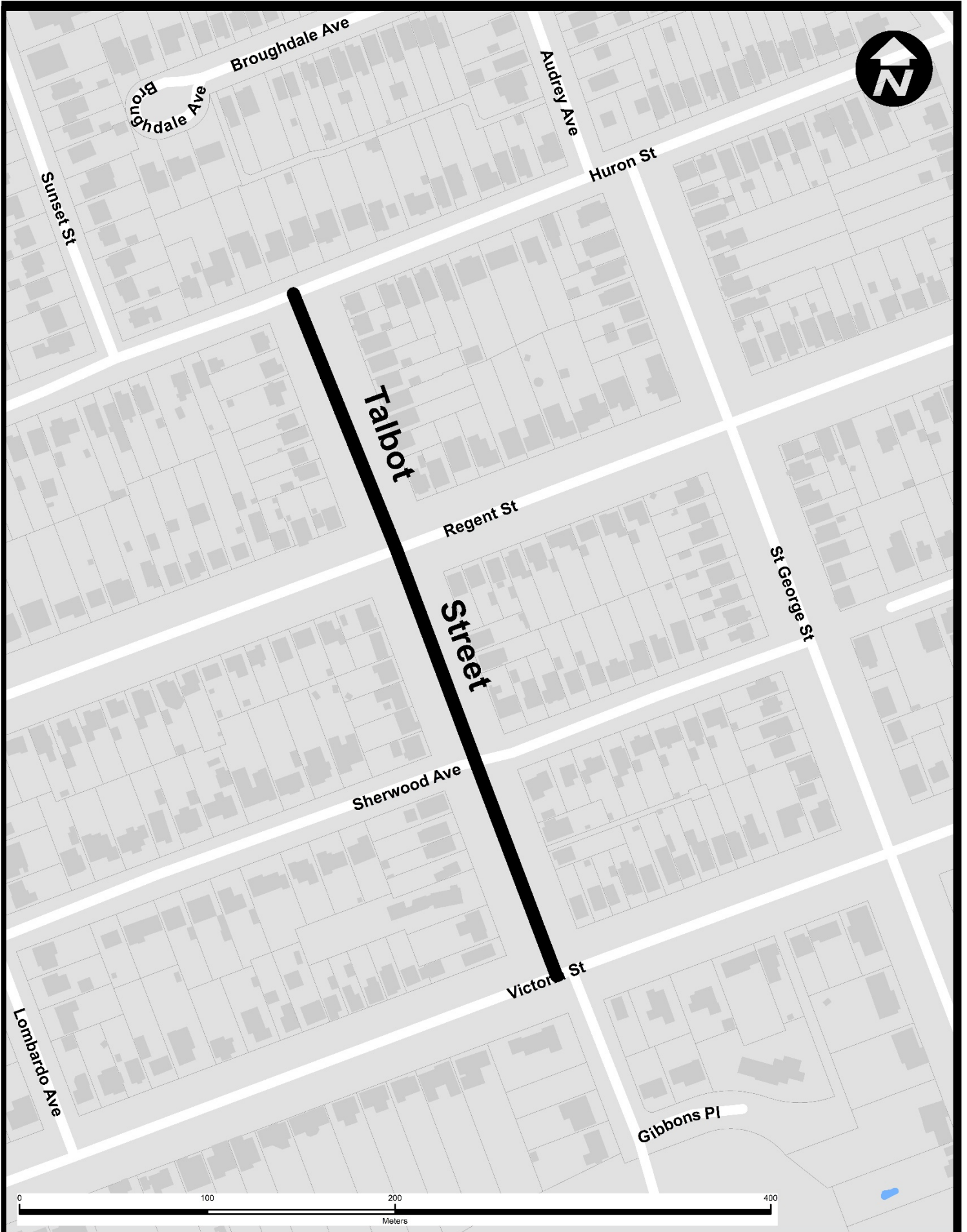
<b>Sources of Financing continued</b>	<b>Approved Budget</b>	<b>Committed To This Date</b>	<b>This Submission</b>	<b>Balance for Future Work</b>
<b>EW376520 - Infrastructure Renewal Program - Watermains</b>				
Capital Water Rates	10,753,000	10,753,000	0	0
Drawdown from Capital Water Reserve Fund	7,140,114	4,357,303	125,989	2,656,822
<b>EW376520 Total</b>	<b>17,893,114</b>	<b>15,110,303</b>	<b>125,989</b>	<b>2,656,822</b>
<b>Total Financing</b>	<b>\$41,578,554</b>	<b>\$21,294,495</b>	<b>\$314,972</b>	<b>\$19,969,087</b>

<b>Financial Note:</b>	<b>ES241421</b>	<b>ES254021</b>	<b>EW376520</b>	<b>Total</b>
Contract Price	\$92,857	\$92,858	\$123,810	\$309,525
Add: HST @13%	12,071	12,072	16,095	40,238
Total Contract Price Including Taxes	104,928	104,930	139,905	349,763
Less: HST Rebate	-10,437	-10,438	-13,916	-34,791
Net Contract Price	\$94,491	\$94,492	\$125,989	\$314,972

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Jason Davies  
Manager of Financial Planning & Policy

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APPENDIX 'B'



LOCATION MAP



2021 Infrastructure Renewal Program  
Contract 13

Talbot Street from Victoria Street to Huron Street

Map Produced by  
the Sewer  
Engineering  
Division

March 1 2021 CM



London  
CANADA

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 Project Area