

<b>TO:</b>	<b>CHAIR AND MEMBERS CIVIC WORKS COMMITTEE MEETING ON MARCH 18, 2019</b>
<b>FROM:</b>	<b>KELLY SCHERR, P. ENG., MBA, FEC MANAGING DIRECTOR, ENVIRONMENTAL AND ENGINEERING SERVICES AND CITY ENGINEER</b>
<b>SUBJECT:</b>	<b>CONTRACT AWARD: TENDER NO. RFT 19-03 2019 INFRASTRUCTURE RENEWAL PROGRAM AVALON STREET RECONSTRUCTION PHASE 2 PROJECT</b>

<b>RECOMMENDATION</b>
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That on the recommendation of the Managing Director, Environmental and Engineering Services and City Engineer, the following actions **BE TAKEN** with respect to the award of contracts for the 2019 Infrastructure Renewal Program Avalon Street Reconstruction Phase 2 Project:

- (a) the bid submitted by Bre-Ex Construction Inc. at its tendered price of \$3,498,808.52, excluding HST, **BE ACCEPTED**; it being noted that the bid submitted by Bre-Ex Construction Inc. was the lowest of ten bids received and meets the City's specifications and requirements in all areas;
- (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, or issuing a purchase order for the material to be supplied and the work to be done, relating to this project (Tender RFT19-03); and
- (e) the Mayor and City Clerk **BE AUTHORIZED** to execute any contract or other documents, if required, to give effect to these recommendations.

<b>PREVIOUS REPORTS PERTINENT TO THIS MATTER</b>
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Appointment of Consulting Engineers, Infrastructure Renewal Program 2016-2017, Civic Works Committee, June 2, 2015, Agenda Item # 5

Increase in Engineering Fees 2017 Infrastructure Renewal Program Contract 14 Avalon Street, Civic Works Committee, May 24, 2017, Agenda Item # 4

2018 Infrastructure Renewal Program Consultant Construction Supervision Awards Cavendish Crescent and Avalon Street Projects, Civic Works Committee, April 17, 2018, Agenda Item # 10

<b>2015-2019 STRATEGIC PLAN</b>
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The 2015-2019 Strategic Plan under Building a Sustainable City identifies Robust Infrastructure, more specifically to this report; 1B – Manage and improve our water, wastewater and stormwater infrastructure and services.

## BACKGROUND

### Purpose

This report recommends award of a tender to a contractor for the infrastructure renewal within the following limits:

- Avalon Street in its entirety;
- the east boulevard of Clarke Road from 35 metres south of CP Rail to Avalon Street;
- Parkhurst Park South, south of Pottersburg Creek and within an easement over 1839 Parkhurst Avenue; and
- Clarke Road, between Culver Drive and Trafalgar Street for the installation of cathodic protection measures on the steel watermain.

A project location map is included for reference in Appendix 'B'.

### Context

Avalon Street has been identified as a high priority in the infrastructure renewal program due to the poor condition of the municipal infrastructure, which dates between the late 1940s to the early 1950s. The current sanitary sewer routing, which is in an easement between 1836 and 1840 Avalon Street toward Parkhurst Avenue has been problematic for quite some time will be rerouted to Clarke Road as part of this project.

## DISCUSSION

The Avalon Street Reconstruction Phase 2 Infrastructure Renewal Project includes the following improvements:

- installation of sanitary sewers and private drain connections where requested;
- installation of storm sewers and private drain connections where requested;
- replacement of storm outlet and storm sewer in Parkhurst Park South and within an easement over 1839 Parkhurst Avenue;
- installation of rain gardens as a low impact development stormwater management strategy (LIDs);
- installation of watermain and individual water services to property line where applicable;
- full road reconstruction including new asphalt, curb and gutter, and sidewalk; and
- installation of cathodic protection measures to extend the life of the existing steel watermain on Clarke Road, between Culver Drive and Trafalgar Street.

The Avalon Street Reconstruction Phase 1 Infrastructure Renewal Project on Clarke Road (constructed in 2018) included the installation of a sanitary sewer under CP Rail and Pottersburg Creek. The Avalon Street Reconstruction Phase 2 Project will include work on Clarke Road, Avalon Street, Parkhurst Park South, and within an easement on 1839 Parkhurst Avenue.

Infrastructure renewal needs have been coordinated within the Environmental and Engineering Services Department. The funding for this project comes from the approved 2019 Wastewater and Treatment, Water, and Transportation Capital Works Budgets.

## Public Consultation

A project update meeting to address questions and concerns was held on November 16, 2017 for all owners and residents within and immediately bordering the project area. This meeting was well attended with no significant concerns noted.

A road closure on Clarke Road is scheduled for the first weekend of May 2019 for a sanitary sewer crossing. Advanced warning and detour signs will be in place prior to this closure.

## Service Replacement

In conjunction with the construction of this project, the City is administering the Private Drain Connection Subsidy Program, which allows property owners within the project's limits an opportunity to voluntarily replace their sewer connections at a reduced cost. As part of this project, the water service connections will be replaced to the property line at the City's cost and the property owner may elect to replace their private side connection at their own cost. Homeowners may also be eligible to participate in the Lead Service Extension Replacement Loan Program.

## Tender Summary

Tenders for the 2019 Avalon Street Reconstruction Phase 2 Project were opened on January 31, 2019. Ten contractors submitted tender prices as listed below, excluding HST.

Contractor		Tender Price Submitted
1	Bre-Ex Construction Inc.	\$3,498,808.52
2	Blue-Con Construction	\$3,581,829.95
3	Sierra Infrastructure Inc.	\$3,611,185.79
4	J-AAR Excavating Limited	\$3,631,289.50
5	291 Construction Ltd.	\$3,732,527.30
6	CH Excavating (2013)	\$3,850,460.43
7	Elgin Construction	\$3,990,359.65
8	Van Bree Drainage and Bulldozing Limited	\$4,088,511.30
9	Omega Contractors Inc.	\$4,094,602.26
10	L82 Construction Ltd.	\$4,210,737.73

All tenders have been checked by the Environmental and Engineering Services Department and the City's consultant, R.V. Anderson Associates.

The tender estimate just prior to tender opening was \$4,280,646.03, excluding HST. All tenders include a contingency allowance of \$400,000.00.

Additional annual sewer operating costs of \$200.00 are identified for additional maintenance holes and catchbasins. There are no additional operating costs associated with water operations.

## CONCLUSIONS

Award of the 2019 Infrastructure Renewal Program Avalon Street Reconstruction Phase 2 Project to Bre-Ex Construction Inc. will allow the project objectives to be met within the available budget and schedule.

## Acknowledgements

This report was prepared within the Wastewater and Drainage Engineering Division by John Bos, C.E.T., Technologist II, and reviewed by Kyle Chambers, P. Eng., Environmental Services Engineer.

<b>SUBMITTED BY:</b>	<b>REVIEWED &amp; CONCURRED BY:</b>
<b>TOM COPELAND, P. ENG DIVISION MANAGER WASTEWATER AND DRAINAGE ENGINEERING</b>	<b>SCOTT MATHERS, MPA, P. ENG. DIRECTOR WATER &amp; WASTEWATER</b>
<b>RECOMMENDED BY:</b>	
<b>KELLY SCHERR, P.ENG., MBA, FEC MANAGING DIRECTOR ENVIRONMENTAL &amp; ENGINEERING SERVICES AND CITY ENGINEER</b>	

Attach: Appendix 'A' – Sources of Financing  
Appendix 'B' – Project Location Map

c.c. Aaron Rozentals  
Doug MacRae  
Alan Dunbar

John Freeman  
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Gary McDonald  
R.V. Anderson Associates  
Bre-Ex Construction Inc.