

Agenda Item #

Page #

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<b>TO:</b>	<b>CHAIR AND MEMBERS CIVIC WORKS COMMITTEE MEETING ON APRIL 12, 2016</b>
<b>FROM:</b>	<b>JOHN BRAAM, P. Eng. MANAGING DIRECTOR, ENVIRONMENTAL &amp; ENGINEERING SERVICES &amp; CITY ENGINEER</b>
<b>SUBJECT:</b>	<b>CONTRACT AWARD: TENDER NO. 16-21 2016 INFRASTRUCTURE RENEWAL PROGRAM CONTRACT 4 - MCCORMICK AREA RECONSTRUCTION</b>

<b>RECOMMENDATION</b>
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That, on the recommendation of the Managing Director, Environmental & Engineering Services & City Engineer, the following actions **BE TAKEN** with respect to the award of contracts for the 2016 Infrastructure Renewal Program, Contract 4 – McCormick Area Reconstruction Project:

- (a) the bid submitted by Bre-Ex Construction Inc. (Bre-Ex), at its tendered price of \$3,075,067.28, excluding HST, **BE ACCEPTED**; it being noted that the bid submitted by Bre-Ex was the lowest of three bids received and meets the City's specifications and requirements in all areas;
- (b) Archibald, Gray & McKay Engineering Limited (AGM) **BE AUTHORIZED** to carry out the resident inspection and contract administration for the said project in accordance with the estimate, on file, at an upset amount of \$286,440.00, including contingency and excluding HST, based upon the Fee Guideline for Professional Engineering Services, recommended by the Ontario Society of Professional Engineers; and in accordance with Section 15.2 (g) of the City of London's Procurement of Goods and Services Policy, noting that this firm completed the engineering design for this project;
- (c) the financing for this project **BE APPROVED** as set out in the Sources of Financing Report attached hereto as Appendix "A";
- (d) the Civic Administration **BE AUTHORIZED** to undertake all the administrative acts that are necessary in connection with this project;
- (e) 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 16-21); and
- (f) 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.

Agenda Item #	Page #

## 2015-19 STRATEGIC PLAN

The 2015 – 2019 Strategic Plan identifies this objective under Building a Sustainable City: 1B – Manage and improve our water, wastewater and stormwater infrastructure and services.

## BACKGROUND

### **Purpose:**

This report recommends the award of a tender to a contractor and continuation of consulting services for the reconstruction of McCormick Boulevard from Dundas Street to the north limit, approximately 90m on Nightingale Avenue between Dundas Street and Princess Avenue, and the installation of a sanitary sewer in McCormick Park north of McCormick Boulevard.

Infrastructure replacement needs have been coordinated between Wastewater & Drainage Engineering, Water Engineering, Transportation Planning & Design, and Environmental and Parks Planning Division. It is also noted that Planning and Urban Design have been consulted throughout the design phase of this project, and the Developer of the former McCormick lands has also been contacted to discuss future servicing needs.

The project has been included in the approved 2016 Wastewater & Treatment and Water Capital Works Budgets.

### **Discussion:**

This Infrastructure Renewal project includes the following improvements:

- replacement of existing and construction of new sanitary sewers;
- replacement of existing and construction of new storm sewers;
- replacement of watermain and water services;
- full road reconstruction, including new asphalt, curb and gutter, sidewalks;
- reconfiguration of existing on street angled parking to parallel parking.

A Project Location Map is included for reference as Appendix B.

McCormick Boulevard has been identified as a priority in the City's replacement program due to the poor condition of the municipal infrastructure. Also, there is no existing sanitary sewer adjacent to the former McCormick lands on McCormick Boulevard. By installing a new sanitary sewer in this location, it will allow sanitary flows from an old, substandard sanitary sewer on Ashland Avenue to be redirected to the new sanitary sewer on McCormick Boulevard. This new sewer will also provide for a sufficient sanitary outlet for the redeveloped former McCormick Property. Portions of the existing storm sewer and watermains on McCormick Boulevard are over 80 years old and have reached the end of their life expectancy.

Work on Nightingale Avenue involves the replacement of approximately 70 meters of sanitary sewer and watermain that is in poor condition, and has reached the end of its life expectancy. It is advantageous to replace these small sections of infrastructure as

Agenda Item #	Page #

part of this larger project as the contractor will already be working in the immediate vicinity.

A public open house was held on January 20<sup>th</sup>, 2016 specifically for all owners and residents within and immediately bordering the project area to ask questions and address concerns. There have been concerns brought forward by local businesses regarding parking. Currently there is perpendicular and angled parking along the west side of McCormick Boulevard. This parking will be reconfigured to parallel parking, which is consistent with current design standards.

To accommodate traffic access to local residences and businesses, this project has been divided into three stages in an effort to reduce disruption.

### **Service Replacement:**

In conjunction with the construction of this Capital Works Project, the City is administering the Private Drain Connection (PDC) program which allows property owners within the projects limits an opportunity to voluntarily replace their PDC's at a subsidized cost under the authority of City By-laws. Also part of this project, any lead water service connections encountered 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 expense. Homeowners may be eligible to participate in the Lead Service Extension Replacement Loan Program.

### **Tender Summary:**

Tenders for the 2016 Infrastructure Renewal Program, Contract 4 were opened on March 9<sup>th</sup>, 2016. Three (3) contractors submitted tender prices as listed below, excluding HST.

<b>CONTRACTOR</b>		<b>TENDER PRICE SUBMITTED</b>	<b>CORRECTED TENDER PRICE</b>
1.	Bre-Ex Construction Ltd.	\$3,085,067.28	\$3,075,067.28
2.	Omega Contractors Inc.	\$3,149,013.65	
3.	Blue-Con Construction	\$3,232,323.00	

All tenders have been checked by the Environmental and Engineering Services Department and the City's consulting engineer. One tender was found to contain a mathematical error, however the order of the bidders remained the same.

The engineer's tender estimate just prior to tender opening was \$3,159,460.00, excluding HST. All tenders include a contingency allowance of \$250,000.00, excluding HST.

This project involves abandoning approximately 1,200m of watermain in the McCormick Park area. Therefore the annual operating costs associated with this project, considering all sewer and water related infrastructure, should be reduced by approximately \$3,900.00.

### **Consulting Services:**

AGM was awarded the detailed design of the project by Council on June 10, 2016. Due to their knowledge and experience with this project, AGM was requested to submit a proposal to carry out the Contract Administration and resident supervision for this project. In accordance with Section 15.2 (g) of the City of London's Procurement of

Agenda Item #	Page #

Goods and Services Policy, the Administration is recommending that AGM be authorized to carry out the remainder of engineering services to complete this project for the provided fee estimate of \$286,440.00, excluding HST, noting the upset amount for total engineering services for the project is \$625,680.00 excluding HST, spread over 2016 – 2017.

**Conclusions:**

Award of the 2016 Infrastructure Renewal Program, Contract 4 to Bre-Ex Construction Ltd. will allow the project objectives to be met within the available budget.

The use of AGM for the remainder of engineering services for this project is in the best financial and technical interests of the City.

**Acknowledgements:**

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

<b>SUBMITTED BY:</b>	<b>RECOMMENDED BY:</b>
<b>TOM COPELAND, P. ENG. DIVISION MANAGER WASTEWATER AND DRAINAGE ENGINEERING</b>	<b>JOHN LUCAS, P. ENG. DIRECTOR, WATER AND WASTEWATER</b>
<b>CONCURRED BY:</b>	
<b>JOHN BRAAM, P.ENG. MANAGING DIRECTOR, ENVIRONMENTAL &amp; ENGINEERING SERVICES &amp; CITY ENGINEER</b>	

April 4, 2016

KC/bw

Attach: Appendix "A" – Sources of Financing  
Appendix "B" – Map of Project Area

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c.c. Roland Welker  
Edward Soldo  
Archibald, Gray & McKay Engineering Limited

John Freeman  
Ugo DeCandido

Pat Shack  
Bre-Ex Construction Inc.

Agenda Item #	Page #

## Appendix 'B' – Project Location Map



### 2016 Infrastructure Renewal Program

Contract 4- Location Map

McCormick Boulevard (all)

Directional Drilling under CN Rail from McCormick Boulevard to existing trunk sewer

Nightingale Avenue (in front of MN 501)

