

<b>TO:</b>	<b>CHAIR AND MEMBERS CIVIC WORKS COMMITTEE MEETING ON APRIL 24, 2017</b>
<b>FROM:</b>	<b>KELLY SCHERR, P.ENG., MBA, FEC MANAGING DIRECTOR, ENVIRONMENTAL &amp; ENGINEERING SERVICES AND CITY ENGINEER</b>
<b>SUBJECT:</b>	<b>CONTRACT AWARD: TENDER NO. 17-40 2017 INFRASTRUCTURE RENEWAL PROGRAM BEACHWOOD AVENUE RECONSTRUCTION PROJECT</b>

<b>RECOMMENDATION</b>
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That, on the recommendation of the Managing Director & City Engineer, Environmental and Engineering Services, the following actions **BE TAKEN** with respect to the award of a contract for Tender No. 17-40, 2017 Infrastructure Renewal Program Beachwood Avenue Reconstruction Project:

- (a) the bid submitted by Blue Con Construction (Blue-Con) at its corrected tendered price of \$4,270,291.20, excluding HST, for the 2017 Infrastructure Renewal Program, Beachwood Avenue Reconstruction Project, **BE ACCEPTED**; it being noted that the bid submitted by Blue Con Construction, was the lowest of four 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 17-40); 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>2015 - 19 STRATEGIC PLAN</b>
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The following report supports the Strategic Plan through the strategic focus area of Building a Sustainable City by addressing and managing the infrastructure gap and managing and improving our water, wastewater and stormwater infrastructure and services.

## BACKGROUND

### Purpose

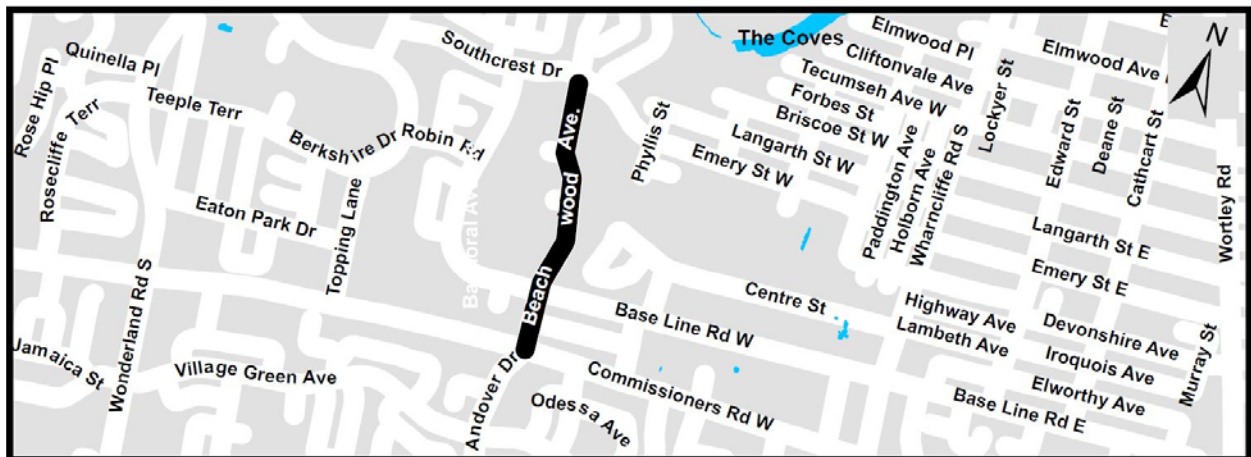
This report recommends the award of a construction tender to a contractor for the reconstruction of Beachwood Avenue from Commissioners Road to Southcrest Drive.

### Context

Infrastructure replacement needs have been coordinated within the Environmental and Engineering Services Department with support from Planning and Development for efficient use of funds during construction.

The project budget has been included in the approved 2017 Wastewater & Treatment, Water and Transportation Capital Works Budgets.

**Figure 1: Beachwood Avenue Project Limits**



## DISCUSSION

The Infrastructure Renewal Program (IRP) is an annual program intended to maintain the life of municipal infrastructure at an acceptable performance level. The Beachwood Avenue project was identified as a high priority in the replacement programs due to the poor condition of the municipal infrastructure. The storm and sanitary sewers were originally constructed in 1955. The existing 300 mm cast iron local watermain was constructed in 1954 and has been subject to a significant number of watermain breaks.

The Beachwood Avenue project includes the installation of new sanitary and storm sewers, including private drain connections as required, replacement of watermain and individual water services to property line where applicable, and full road reconstruction, including new asphalt, curb and gutter, bike lanes and sidewalks.

## **Public Engagement**

A public information session was held on February 22, 2017 specifically for all owners and residents within and immediately bordering the project area to address questions and concerns.

In response to the comments received, the project has been phased in an effort to reduce disruption over the duration of the project to better accommodate residents and those cycling and driving through the area.

## **Tree Protection**

This project involves the removal of 15 trees with the potential for up to 5 additional tree removals being determined during construction or due to poor health and/or condition. Tree removals for this project were previously indicated in a report to CWC on March 7, 2017 titled 2017 ILRP – Trees.

## **Construction Considerations**

Due to the size and scope of the improvements, construction is anticipated to begin in May 2017, and is expected to be substantially completed by November 2017 with minor works and surface asphalt being placed in 2018. The road will be closed but open to local traffic throughout the duration of the construction project. Some work at nearby intersections or at service crossing points may require weekend work, night work, consecutive shifts and the use of police services to control traffic.

This project is one of the major capital project identified in the 2017 Renew London Infrastructure Construction Program report to Civic Works Committee on January 10, 2017. Every effort is being made to ensure Londoners are aware of construction zones and traffic detours resulting from road work. Daily updates are provided through the City's website, [www.london.ca/construction](http://www.london.ca/construction) with information about road closures, ongoing and upcoming projects on City streets.

## **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. As part of this project, the sanitary services are being replaced to property line due to the "no-corrode" pipe material originally used for construction and the homeowners are being offered an extended warranty on this work. The water service connection 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 be eligible to participate in the Lead Service Extension Replacement Loan Program.

## Tender Summary

Tenders for the 2017 Infrastructure Renewal Program Contract 11, Beachwood Avenue Reconstruction Project were opened on March 22, 2017. Four (4) contractors submitted tender prices as listed below (excluding HST).

CONTRACTOR		TENDER PRICE (SUBMITTED)	CORRECTED TENDER PRICE
1.	Blue-Con Construction	\$4,268,071.20	\$4,270,291.20
2.	CH Excavating	\$4,646,072.10	\$4,646,072.09
3.	Birnam Excavating Ltd.	\$4,724,319.37	\$4,724,319.35
4.	L82 Construction Ltd.	\$5,497,365.65	\$5,499,565.65

All tenders have been checked by the Environmental and Engineering Services Department. All of the submitted tenders were found to contain minor mathematical errors; however the order of the bidders remains the same.

The tender estimate just prior to tender opening was \$4,000,000.00 (excluding HST). The results of the tendering process indicates a competitive process. All tenders include a contingency allowance of \$400,000.00 (excluding HST). Funds adequate for the award of this tender are identified in the capital budget.

Additional annual transportation operating costs of \$515.00 is attributed to new infrastructure installation with the approval of this tender.

## Contract Administration

Civic Administration has successfully completed the detailed design and tendering of the project and will carry out the contract administration and resident supervision. The continued use of the City staff on this project for these additional services is of financial advantage due to the fact that City staff has specific knowledge of the project and has undertaken work for which duplication would be required if a consultant were to be selected. Civic Administration is intimately familiar with the Occupational Health and Safety Act aspects of the contract.

## Conclusions

Replacing infrastructure at the end of its life is a prerequisite to building a sustainable City. The Beachwood Avenue Reconstruction Project is one-step forward in replacing London's aging infrastructure. The award of the contract to Blue-Con Construction will allow the project objectives to be met within the available budget.

## Acknowledgements

This report was prepared within the Construction Administration Division by Paul Choma, P.Eng., Environmental Service Engineer.

<b>PREPARED BY:</b>	<b>REVIEWED &amp; CONCURRED BY:</b>
<b>UGO DECANDIDO, P. ENG. DIVISION MANAGER, CONSTRUCTION ADMINISTRATION</b>	<b>JOHN LUCAS, P. ENG. DIRECTOR, WATER AND WASTEWATER</b>
<b>REVIEWED &amp; CONCURRED BY:</b>	<b>RECOMMENDED BY:</b>
<b>EDWARD SOLDI, P. ENG. DIRECTOR, ROADS AND TRANSPORTATION</b>	<b>KELLY SCHERR, P.ENG., MBA, FEC MANAGING DIRECTOR, ENVIRONMENTAL &amp; ENGINEERING SERVICES &amp; CITY ENGINEER</b>

April 5, 2017

Attach: Appendix "A" – Source of Financing  
PC/ud

O:\2017 Projects\Contract 11 - Beachwood Ave (CA)\Tender\CWC Report April 24 - Contract Award Tender 17-40 Beachwood.docx

c.c. Scott Mathers  
John Freeman  
Gary McDonald  
Tom Copeland  
Blue-Con Construction Ltd.