

<b>TO:</b>	<b>CHAIR AND MEMBERS CIVIC WORKS COMMITTEE MEETING ON APRIL 4, 2018</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. T18-16 INFRASTRUCTURE RENEWAL PROJECT – CONTRACT 15 MAIN STREET</b>

<b>RECOMMENDATION</b>
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That on the recommendation of the Managing Director, Environmental & Engineering Services and City Engineer, the following actions **BE TAKEN** with respect to the Main Street Infrastructure Lifecycle Renewal project:

- (a) The bid submitted by L82 Construction Ltd. at its corrected tendered price of \$8,233,236.86 (excluding HST), **BE ACCEPTED**; it being noted that the bid submitted by L82 Construction Ltd was the lowest of six (6) bids received and meets the City's specifications and requirements in all areas;
- (b) IBI Group Inc., **BE AUTHORIZED** to carry out the resident inspection and contract administration in the amount of \$815,630.20 (excluding HST), in accordance with Section 15.2 (g) of the *Procurement of Goods and Services Policy*;
- (c) the financing for this project **BE APPROVED** with 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 for the material to be supplied and the work to be done relating to this project (T18-16); and,
- (f) the Mayor and City Clerk **BE AUTHORIZED** to execute any contract or other documents, as required, to give effect to these recommendations.

<b>PREVIOUS REPORTS PERTINENT TO THIS MATTER</b>
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- Civic Works Committee – June 02, 2015 – Appointment of Consulting Engineers Infrastructure Renewal Program 2016 – 2017

## 2015-2019 STRATEGIC PLAN

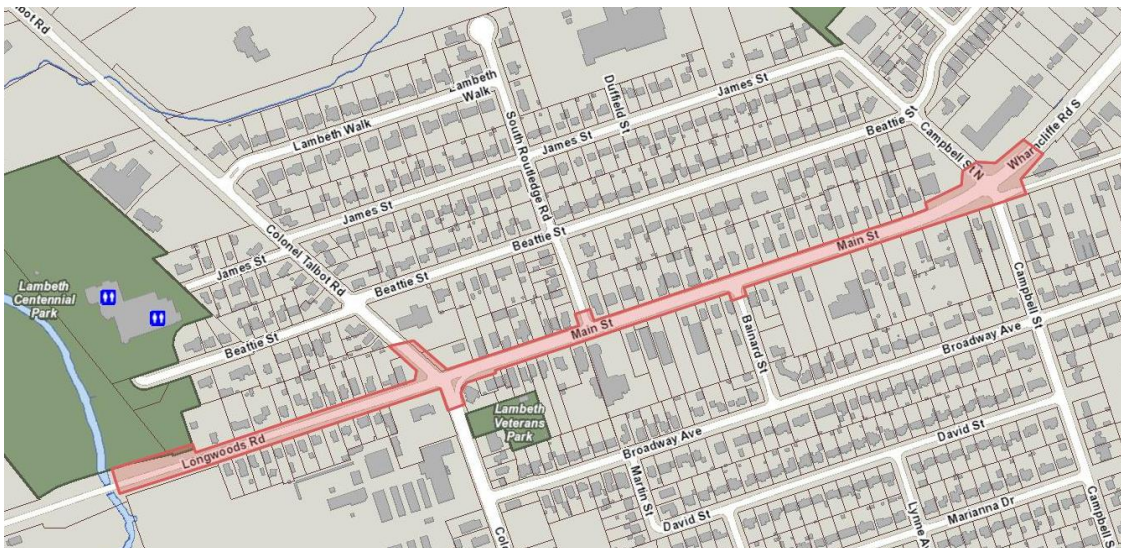
The following report supports the Strategic Plan through the strategic focus area of Building a Sustainable City by implementing and enhancing safe and convenient mobility choices for transit, automobile users, pedestrians and cyclists. This is accomplished by expanding sidewalks and adding pedestrian crossovers to improve pedestrian walk-ability and through traffic improvements, such as a dedicated centre turning lane and designated on street parking bays. These improvements further provide an opportunity to make Lambeth a more beautiful and distinct place by incorporating aesthetic urban design enhancements.

This project also attributes to developing more robust infrastructure through the introduction of a sanitary sewer and by improving the storm water drainage capacity for the area with the construction of a new storm sewer and outlet. These infrastructure improvements will serve to grow London's economy by providing essential services that promote future development in the Lambeth area.

## BACKGROUND

### Purpose

This report recommends the award of a construction tender to L82 Construction Ltd., and the award of contract administration to IBI Group Inc. for the Main Street Infrastructure Lifecycle Renewal project. The project will take place along Longwoods Road from Dingman Creek to Colonel Talbot Road and along Main Street from Colonel Talbot Road to Campbell Street, as displayed below in Figure 1.



**Figure 1 - Project Limits**

The project is scheduled to commence in spring of 2018 with the majority of construction completed by late fall 2018. In spring of 2019, it is estimated that some minor work will be completed, such as applying the surface coat of asphalt and landscaping.

## DISCUSSION

### **Project Description**

Main Street is a major project to be undertaken as part of the City's annual infrastructure lifecycle renewal program. New sanitary sewers, storm sewers and private drain connections (PDCs) will be installed along Main Street and Longwoods Road. The existing water services along Main Street will be upgraded and a new watermain and water services will be installed along Longwood Road. The road will be reconstructed including curbs, sidewalks and boulevard improvements including streetscape enhancements (i.e. tree placements, decorative walking surface and some parking bays along the south side).

#### Sanitary

The majority of the existing Lambeth sanitary systems are septic based. The addition of a new sanitary sewer and PDCs to service Main Street allow current properties and future developments the opportunity to tie into the City's sanitary service. The new sewer will direct flows from west of Colonel Talbot Road down to the new sanitary sewer at Campbell Street.

#### Storm Water

A new storm sewer will be installed from Campbell Street to direct flow west towards the outlet being constructed at Dingman Creek. The installation of this storm sewer along Main Street and Longwoods Road provides property owners an opportunity to have a separate PDC installed to handle the discharge of excess water from their property.

#### Road Reconstruction

The roads will be reconstructed along Main Street, reducing the width from four lanes to three lanes. The final roadway will include an eastbound and westbound travel lane with a shared centre turning lane down the entire length of Main Street. This road cross-section was developed after analysing existing and projected traffic, taking into account the implementation of the new Highway 401 / Wonderland Road Interchange. The removal of the fourth lane on Main Street enables the corridor to accommodate the on street parking bays requested by the community and provides additional pedestrian space for the expansion of sidewalks and boulevards. Wider sidewalks are possible along with additional tree planting to provide an improved pedestrian realm.

#### Streetscape Enhancements

Main Street Lambeth will see aesthetic improvements based on the urban design requirements for the area. These enhancements were developed in consultation with the community through a series of engagements over the past 18 months. The *London Plan* identifies Main Street Lambeth as one of the 'Main Street Place Types' within the City. These areas are to contain a mix of residential and commercial uses and are planned to create a strong neighbourhood character and a distinct sense of place. This project, while improving infrastructure, helps to align the corridor with its place type. The urban design aspects of the project include:

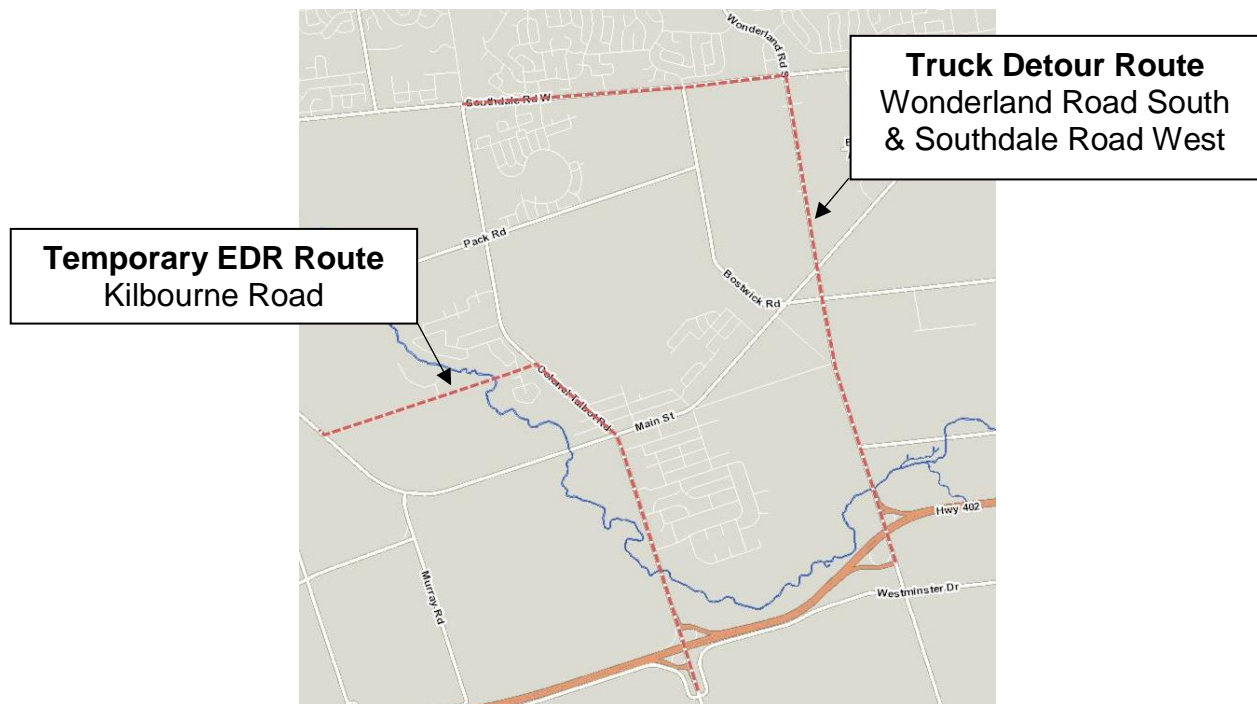
- decorative walkways;
- median planters;
- tree planting along the boulevards;

- surface treatments at the intersections; and,
- pedestrian level lighting.

## Construction Considerations

Main Street is a challenging construction project to implement. To minimize the traffic impacts for the area and to facilitate safe and efficient construction, the project has been divided into two stages. Stage 1 will include the sewer works on the south side of Longwoods Road and Main Street. Due to the depth of sewer, during this stage only one lane of traffic can be provided. It was determined that the existing westbound direction (north side of the road) would remain open, with eastbound traffic being re-directed accordingly to designated side streets (Beattie Street and Broadway Avenue). Stage 2 of construction consists of the works on the north side of Longwoods Road and Main Street. Works during this stage of the project are much shallower, therefore the south side of the road will be anticipated to accommodate two lanes of traffic (one eastbound and one westbound).

Lambeth is isolated geographically in the southwest end of the City and there are no arterial routes east-west through the area other than Main Street. In order to facilitate traffic movement, detours will be set at a higher level and at the local level. The proposed detour routes for local vehicles are through residential areas. In April 2018, prior to construction, the Lambeth neighbourhoods will have traffic calming measures installed. These measures will remain in place until construction is complete in fall of 2018. To reduce the amount of truck traffic through these neighbourhoods, advanced notice outside of the construction area will be provided to divert trucks to Wonderland Road South and Southdale Road West (shown in Figure 2 below).



**Figure 2 – Detours**

Longwoods Road is currently identified by the Ministry of Transportation Ontario (MTO) as an Emergency Detour Route (EDR). Since there will be construction on Longwoods Road as part of this project, MTO has provided input on the suggested alternatives for the 402 EDR. Tentatively, Kilbourne Road will be used as a temporary EDR, and the City will maintain contact with MTO as the project progresses.

## Tender Summary

Tenders for the Main Street Lambeth project were opened on Wednesday, February 21, 2018. Six (6) contractors submitted tender prices as listed below (excluding HST).

	<b>CONTRACTOR</b>	<b>SUBMITTED TENDER PRICE (\$)</b>	<b>CORRECTED TENDER PRICE (\$)</b>
1.	L82 Construction Ltd	\$ 8,279,444.86	\$ 8,233,236.86
2.	CH Excavating (2013)	\$ 8,631,320.66	\$ 8,631,294.44
3.	Bre-Ex Construction Inc.	\$ 9,054,901.96	\$ 9,054,809.79
4.	J-AAR Excavating Limited	\$ 9,318,828.59	-
5.	Omega Contractors Inc.	\$ 9,394,860.13	\$ 9,394,828.38
6.	Blue-Con Construction	\$ 9,889,988.03	\$ 9,891,229.00

All tenders have been checked by IBI Group Inc. and the Environmental and Engineering Services Department. The results of the tendering process indicates a competitive process. Adequate funds for this award of tender are identified in the capital budget. The tender estimate prior to tender opening was \$7,709,972.00 (excluding HST).

## Consultant

The City previously procured IBI Group Inc. to undertake the detailed design of this project in accordance with the Procurement of Goods and Services Policy.

Due to the consultant's knowledge of the project, IBI was invited to submit a proposal to carry out the contract administration and resident supervision. Staff have reviewed the fee submission in detail considering the hourly rates provided by each of the Consultant's staff members. City staff have confirmed that hourly rates are consistent with those submitted through competitive processes. City Staff also reviewed the time allocated to each project related task. The amount of time allocated to each project task is consistent with prior projects of a similar nature that have been awarded through a competitive process.

The continued use of IBI Group Inc. on this project for contract administration is of financial advantage to the City due to the fact that 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 accordance with Section 15.2 (g) of the Procurement of Goods and Services Policy, Civic Administration is recommending that IBI Group Inc. be authorized to carry out the remainder of engineering services as construction administrators to complete this project for a fee estimate of \$815,630.20 (excluding HST). These fees are associated with the inspection services necessary to ensure the City receives the construction product specified.

The City's requirement for the creation of record drawings following construction necessitates the reviewing engineer seal them on the basis of field verification and ongoing involvement. This requirement triggers consultant accountability for the design. Consequently, the continued use of IBI Group Inc. who created and sealed the design drawings is required in order to maintain this accountability process. The approval of this work will bring the value of the overall consulting assignment to \$1,452,078.10 (excluding HST) including the Streetscape Master Plan, Detailed Design and Construction Administration Services.

## CONCLUSION

Civic Administration has reviewed the tender bids and recommends L82 Construction Ltd. be awarded the contract for the Main Street Lambeth project.

IBI Group Inc. has demonstrated an understanding of the City requirements for this project and it is recommended that this firm be the consulting engineer for the purposes of 2018 contract administration and inspection services as it is in the best financial and technical interests of the City.

Anticipated annual operating cost to budgets in 2019 and subsequent years, associated with the additional infrastructure is summarized below.

<b>Division</b>	<b>Increase in Annual Operating Costs</b>
Sewer Operations	\$ 700.00
Road Operations	\$ 750.00
Parks Operations	\$ 25,000.00

### **Acknowledgements**

This report was prepared with the assistance of Karl Grabowski, Transportation Design Engineer, and Matthew Davenport, Engineer in Training, of the Transportation Planning & Design Division.

<b>PREPARED BY:</b>	<b>REVIEWED &amp; CONCURRED BY:</b>
<b>DOUG MACRAE, P. ENG. DIVISION MANAGER TRANSPORTATION PLANNING &amp; DESIGN</b>	<b>EDWARD SOLDO, P.ENG. DIRECTOR, ROADS AND TRANSPORTATION</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

Cc: L82 Construction Ltd.  
IBI Group Inc.  
TCA