

<b>TO:</b>	<b>CHAIR AND MEMBERS CIVIC WORKS COMMITTEE MEETING ON AUGUST 22, 2016</b>
<b>FROM:</b>	<b>JOHN BRAAM, P. ENG. MANAGING DIRECTOR, ENVIRONMENTAL &amp; ENGINEERING SERVICES AND CITY ENGINEER</b>
<b>SUBJECT:</b>	<b>RAPID TRANSIT ENVIRONMENTAL ASSESSMENT STUDY CONSULTING FEES AMENDMENT</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 to respect to the consultant assignment for the Rapid Transit Corridors Environmental Assessment:

- a) the consulting fees for IBI Group, **BE INCREASED** by the amount of \$1,628,586 excluding HST, to complete the Rapid Transit Corridors EA for the north and east corridors, in accordance with Section 15.2 (g) of the 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; and
- d) 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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- Civic Works Committee - June 19, 2012 - London 2030 Transportation Master Plan
- Civic Works Committee - October 7, 2013 – Bus Rapid Transit Strategy
- Civic Works Committee – July 21, 2014 – Rapid Transit Corridors Environmental Assessment Study Appointment of Consulting Engineer
- Civic Works Committee – June 2, 2015 – Rapid Transit Funding Opportunities
- Civic Works Committee – August 24, 2015 – Shift Rapid Transit Initiative Appointment of Survey Consultants
- Strategic Priorities and Policy Committee – January 28, 2016 – Downtown Infrastructure Planning and Coordination
- Strategic Priorities and Policy Committee – November 9, 2015 - Shift Rapid Transit Update
- Strategic Priorities and Policy Committee – May 5, 2015 - Shift Rapid Transit Business Case

## COUNCIL'S 2015-2019 STRATEGIC PLAN

Municipal Council has recognized the importance of rapid transit and improved mobility in its 2015-2019 - Strategic Plan for the City of London ([2015 – 2019 Strategic Plan](#)) as follows:

### **Strengthening Our Community**

- Healthy, safe, and accessible city

### **Building a Sustainable City**

- Robust infrastructure
- Convenient and connected mobility choices
- Strong and healthy environment
- Beautiful places and spaces
- Responsible growth

### **Growing our Economy**

- Local, regional, and global innovation
- Strategic, collaborative partnerships

### **Leading in Public Service**

- Collaborative, engaged leadership
- Excellent service delivery

## BACKGROUND

In July of 2014, Council approved the retention of IBI Group as the consulting engineers for the Rapid Transit Environmental Assessment. The initial assignment included the completion of the Rapid Transit Master Plan, which provides the overall need and justification for the rapid transit system and a review/assessment of alternative rapid transit forms, as well as a portion of the second phase, the preliminary design for one recommended corridor at a value of \$1,930,655 (excluding HST).

As part of the assignment a Project Management Plan (PMP) was developed to detail out the activities and deliverables. The PMP consisted of the five phases:

Phase 1 – Need and Justification;

Phase 2 – Alternative Solutions (Resulting in Rapid Transit Master Plan document);

Phase 3 – Development of Preferred Alternative for the Preferred Corridor;

Phase 4 – Environmental Study Report; and

Phase 5 – Implementation Plan.

Through the work on Phases 1 and 2, a preferred alternative network was refined from the original concept in the Transportation Master Plan and previous London Transit Commission Bus Rapid Transit network. The rapid transit corridors were restructured into a north-east corridor and a south-west corridor. Additional modifications were made through the addition of major infrastructure works such as the Richmond tunnel and potential changes to the routing alternatives in the Western University campus area.

The Business Case for a Full Bus Rapid Transit Network Alternative was approved by Council on May 31, 2016. It has since been submitted to the Provincial and Federal Governments for review, comment and approval for funding.

In order to complete Phases 3 and 4 for both rapid transit corridors (i.e. all four legs) and obtain the necessary EA approvals at one time, the scope of work of the original assignment needs to be modified to include the second recommended corridor (north-east).

The scope of work (for both corridors) has been refined to include:

- Enhanced stormwater management plans;
- More detailed assessment of property impacts;
- Geotechnical assessments including obtaining bore hole samples at key locations;
- Utility impact coordination;
- Enhanced public consultation; and
- Evaluation of electric bus options and associated cost and operational impacts/benefits.

The key items related to the second corridor (north east) are:

- Identification and evaluation of alternative design concepts
- Completion of preliminary engineering designs
- Richmond Tunnel (systems design, structural design, station design and determination of network rerouting of east-west utility services).

IBI Group was selected to complete the Rapid Transit Environmental Assessment in 2014 after a two stage process in accordance with Section 15.2 (e) of the Procurement of Goods and Services Policy.

Due to the consultant’s intimate knowledge and experience with this project, IBI Group was requested to submit a scope change proposal to complete Phases 3 and 4 for the second corridor and additional work for the revised rapid transit network. Due to IBI Group’s technical knowledge of the project, excellent service through the course of the project to date and to reduce duplication if another firm were to be selected, it is recommended that in accordance with Section 15.2 (g) of the Procurement of Goods and Services Policy, that IBI Group be authorized to complete the environmental assessment for the Rapid Transit system for a fee estimate of \$1,628,586 (excluding H.S.T.), which would bring the value of the consulting assignment to \$3,559,241 (excluding HST). Funds for this assignment are available in the capital budget.

<b>CONCLUSION</b>
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IBI Group has demonstrated an understanding of the City requirements for this complex project and has acquired a detailed knowledge of the rapid transit system through work completed to date as part of the Rapid Transit Master Plan and Business Case. It is recommended that the consulting assignment for the IBI Group be expanded to include the completion of the Rapid Transit Environmental Assessment for the north and east corridors and modified scope of work for the overall project.

<b>SUBMITTED BY:</b>	<b>RECOMMENDED BY:</b>
<b>EDWARD SOLDI, P.ENG. DIRECTOR, ROADS AND TRANSPORTATION</b>	<b>JOHN BRAAM, P.ENG. MANAGING DIRECTOR OF ENVIRONMENTAL &amp; ENGINEERING SERVICES AND CITY ENGINEER</b>