

TO:	CHAIR AND MEMBERS CIVIC WORKS COMMITTEE MEETING ON JULY 17, 2017
FROM:	KELLY SCHERR, P.ENG., MBA, FEC MANAGING DIRECTOR ENVIRONMENTAL & ENGINEERING SERVICES AND CITY ENGINEER
SUBJECT:	SHIFT RAPID TRANSIT ADDITIONAL ENGINEERING AND LEGAL SURVEY

RECOMMENDATION

That on the recommendation of the Managing Director, Environmental and Engineering Services & City Engineer, the following actions **BE TAKEN** with respect to the additional engineering and legal survey required for Shift Rapid Transit:

- (a) that the fees for Callon Dietz Incorporated, **BE INCREASED** in the amount of \$118,910 from \$167,750, to a total of \$286,660 excluding HST, in accordance with Section 20.3 (e) of the Procurement of Goods and Services Policy;
- (b) that the fees for Archibald, Gray and McKay Ltd., **BE INCREASED** in the amount of \$89,925 from \$190,190, to a total of \$280,115 excluding HST, in accordance with Section 20.3 (e) of the Procurement of Goods and Services Policy;
- (c) the financing for these assignments **BE APPROVED** as set out in the Source 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.

PREVIOUS REPORTS PERTINENT TO THIS MATTER
--

- 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 – November 9, 2015 – Shift Rapid Transit Update
- Strategic Priorities and Policy Committee – January 28, 2016 – Downtown Infrastructure Planning and Coordination
- Strategic Priorities and Policy Committee – May 5, 2016 – Shift Rapid Transit Business Case
- Strategic Priorities and Policy Committee – September 12, 2016 – Rapid Transit Implementation Working Group
- Strategic Priorities and Policy Committee – May 3, 2017 – Rapid Transit Alternative Corridor Review
- Strategic Priorities and Policy Committee – May 15, 2017 – Rapid Transit Corridors

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.

Growing Our Economy

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

Building a Sustainable City

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

Leading in Public Service

- Collaborative, engaged leadership; and
- Excellent service delivery.

DISCUSSION

Purpose

The purpose of this report is to seek the approval of the Council to increase the survey fees for the additional topographical and legal survey in support of the Shift Rapid Transit project.

Context

The Rapid Transit Initiative is the primary recommendation of the Smart Moves Transportation Master Plan, a cornerstone of The London Plan and a key feature in Council's 2015 - 2019 Strategic Plan. Council's Strategic Plan identifies the Rapid Transit Implementation Strategy as a means to deliver convenient and connected mobility choices as part of Building a Sustainable City.

The rapid transit planning approval process is proceeding through the SHIFT initiative, the Rapid Transit Environmental Assessment (EA) master plan process. The next steps include the completion of the Master Plan, followed by the Transit Project Assessment Process (TPAP). Prior to initiating the TPAP, a pre-planning phase will commence in order to conduct public and stakeholder consultation, identify constraints and develop appropriate mitigation measures to support developing more detailed design solutions.

Survey consultants were appointed in August 2015. During the master plan process, the rapid transit routes have been refined and it is now necessary to undertake additional engineering surveys. This additional survey will provide data for newly identified routes such as portions of the downtown couplet and revised routing through the Western University campus. The data will also support further investigation of the previously investigated corridors and also serve as the base plan for the ultimate design.

The engineering survey will be related to the City's horizontal and vertical georeferencing systems to allow integration of the City's parcel mapping and other GIS resources. The resulting CAD files will support the Shift process and support both preliminary and detailed design of the future system.

Consultant Selection

Callon Dietz Incorporated and Archibald, Gray and McKay Ltd. (AGM) were previously awarded the survey assignments through a competitive process involving proposal requests from three consultants, in accordance with the City's Procurement of Good and Services Policy Section 15.2 (d).

The completion of the additional surveying assignments within the required timeframe is not achievable using City survey crews. As such, Geomatics Division developed a Request for Proposal (RFP) in which Callon Dietz and AGM were asked to submit fee proposals for the additional engineering survey of the North/East and South/West Corridors respectively.

The continued use of Callon Dietz and AGM on this project for the additional engineering survey services is of financial advantage to the City due to the fact that the firms have specific knowledge of these corridors and have undertaken work for which duplication would be required if another firm were to be selected. The consultants have past proven experience on similar projects of this nature, including all survey within these corridors up-to-date.

In accordance with Section 20.3 (e) of the Procurement of Goods and Services Policy, Civic Administration is recommending that Callon Dietz and AGM be authorized to carry out the additional engineering survey assignments for the North/East and South/West Corridors respectively.

SUMMARY

Callon Dietz and AGM were appointed for the initial survey assignments for the project by Council in August, 2015. As a result of network refinements and routing changes through the master plan process, additional survey is required to support the TPAP preliminary design process. It is recommend that the consultant's contracts be increased by \$89,925 and \$118,910 respectively, bringing the engineering survey assignments to a revised total of \$286,660 and \$280,115 respectively, excluding HST. The funding for these assignments is available within the existing capital budget.

Acknowledgements

This report was prepared with the assistance of Sam Shannon, C.E.T. of the Transportation Planning & Design Division.

SUBMITTED BY:	REVIEWED BY:
ARDIAN SPAHIU, P.ENG. TRANSPORTATION DESIGN ENGINEER	JENNIE A. RAMSAY, P.ENG. PROJECT DIRECTOR RAPID TRANSIT
CONCURRED BY:	RECOMMENDED BY:
EDWARD SOLDI, P.ENG. DIRECTOR, ROADS & TRANSPORTATION	KELLY SCHERR, P.ENG., MBA, FEC MANAGING DIRECTOR, ENVIRONMENTAL AND ENGINEERING SERVICES & CITY ENGINEER

Attach: Appendix A – Sources of Financing

- cc. Gary Irwin, City Surveyor, Geomatics
- Terry Dietz, Callon Dietz Incorporated
- Jason Wilband, Archibald, Gray & McKay Ltd.