

<b>TO:</b>	<b>CHAIR AND MEMBERS CIVIC WORKS COMMITTEE MEETING ON JANUARY 9, 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>KILALLY ROAD IMPROVEMENTS PHASE1 CONTRACT ADMINISTRATION APPOINTMENT OF CONSULTING ENGINEER</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 contract administration for Phase 1 of the Kilally Road Improvements project:

- (a) Development Engineering Ltd., **BE AUTHORIZED** to carry out the resident inspection and contract administration in the amount of \$208,367.50 (excluding HST) 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;
- (d) 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; 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>PREVIOUS REPORTS PERTINENT TO THIS MATTER</b>
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- Strategic Priorities and Policy Committee - May 11, 2015 – Growth Management Implementation Strategy (GMIS): 2016 Annual Review & Update
- Planning and Environment Committee - July 20, 2015 – Edge Valley Subdivision (39T-05505) Extension of Draft Approval
- Appointment of Consulting Engineers, Kilally Road Improvements Phase 1, Civic Works Committee, September 9, 2015

## 2015-19 STRATEGIC PLAN

The following report supports the Strategic Plan through the strategic focus area of Building a Sustainable City by addressing and managing the infrastructure gap. The project provides an important asset management transportation network improvement.

## BACKGROUND

### Purpose

This report recommends the award the continuation of engineering consulting services for the construction administration for Phase 1 of the Kilally Road Improvements project.

### Context

The Kilally Road Improvements Phase 1 is identified in the GMIS. The Transportation Development Charge Background Study recommended a two lane upgrade to this road section. The project supports the development of the Edge Valley Subdivision. The status of the development was monitored during the design phase of this project and the proposed construction strategy was coordinated with the development team.

Kilally Road is classified as an arterial road, and currently has a posted speed limit of 60 km/hr between Highbury Avenue and Webster Street, and 70 km/hr east of Webster Street to beyond the project limits. There are a number of concerns with the vertical alignment of Kilally Road near Webster Street, as the road grade is in excess of the maximum standard for arterial roads. An image showing the sections of Kilally Road and Webster Street located within the project limits is presented in Figure 1.

**Figure 1 - Kilally Road Improvements Project: Phase 1**



The first phase construction contract was recently tendered and will be awarded in accordance with the City's Procurement of Goods and Services Policy under the administrative approval process because the value of the tender was under three million dollars. However, the appointment of professional consulting services for engineering services valued over \$100,000 is still required to be approved by Council.

## **DISCUSSION**

### **Background**

The Kilally Road project phasing was introduced in the 2014 Development Charges Background Study process through consultation with the adjacent developer to address the development related needs in the near-term. Phase 2 of the Kilally Road Improvements Project comprises improvements easterly to Clarke Road. The implementation of Phase 2 is identified for implementation in 2030 in the 2014 Development Charges Background Study.

The project limits extend along Kilally Road from approximately 175 m west of Webster Street to 225 m east of Webster Street. Due to the proposed grade change on Kilally Road, Webster Road also requires reprofiling and associated improvements from Kilally Road approximately 130 m southerly. Works include the reestablishment of an ultimate road profile, drainage considerations, street lighting, watermain extension, cycle facilities, and sidewalks. The project will also construct the turn lanes required for the future intersection.

The project will improve the profile of Kilally Road by a combination of raising and lowering the existing road profile. The Edge Valley Subdivision development plans a road connection to Kilally Road opposite the Webster Street intersection. The construction of this project will support the development by establishing the ultimate Kilally Road profile to connect to and will eliminate the need for temporary grading of the new side road.

### **Construction Considerations**

The project is expected to be substantially completed by fall 2018 with minor works and surface asphalt being placed in 2019.

Road grade improvements are needed to address existing and future road/traffic operational deficiencies, road safety, and long-term vision of a street design that improves active transportation. It should be noted that significant road profile modifications at the intersection of Kilally Road and Webster Street are necessary and will require full road closure to through traffic for the duration of the project. Although closed to through traffic, the road would remain open to local traffic and care would be taken to minimize the duration of private driveway closures. An appropriate detour plan will be set in place and coordinated with all external agencies, such as EMS, Police, Fire and School buses services.

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.

Over the past year, the project team has engaged all stakeholders related to this project with in-house, public meetings and onsite consultation. A Public Information Centre was held on October 25<sup>th</sup>, 2017 to share the staging and detour details with the local residents.

### **Consulting Services**

The consultant procurement process for this assignment began in accordance with Section 15.2 (e) of the Procurement of Goods and Services Policy for a two-stage process beginning with a public advertisement.

Development Engineering Ltd. has satisfactorily completed a substantial part the project. Due to the consultant's specific knowledge and positive performance on the project, the consultant was invited to submit a proposal to carry out the contract administration and resident supervision for both phases of the project. 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.

Development Engineering Ltd. is recommended for award of the contract administration of Phase 1 of this project having satisfied all financial, reporting and other conditions required of the Policy. The continued use of Development Engineering Ltd. on this project for these additional services is of financial advantage to the City due to the fact that this firm has specific knowledge of the project and has undertaken work for which duplication would be required if another firm were to be selected.

The City's contract administration requirement for the creation of record drawings following construction necessitates the reviewing professional engineer seal the drawings on the basis of field verification and ongoing involvement. This requirement promotes consultant accountability for the design. Consequently, the continued use of Development Engineering Ltd. who created and sealed the design drawings is required in order maintain this accountability process.

In accordance with Section 15.2 (g) of the Procurement of Goods and Services Policy, Civic Administration is recommending that Development Engineering Ltd. be authorized to carry out engineering services related to construction administration of the project for a fee estimate of \$208,367.50 (excluding HST).

These fees are associated with the inspection services necessary to ensure the City receives the construction product specified and value for the investment. Additionally, this engineering assignment includes utility coordination that is integrated with the construction phase due to the complexities of the profile adjustment. The approval of this work will bring the value of the overall consulting assignment to \$323,777.50. Funds for this assignment are available in the capital budget.

<b>CONCLUSION</b>
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The continued use of Development Engineering Ltd for the remainder of engineering services is required to complete this project. It is in the best financial and technical interests of the City and will allow the project objectives to be met on time and within the available budget, it being noted that Development Engineering Ltd. have satisfied all financial, reporting and other conditions contained within the Procurement of Goods and Services Policy.

## Acknowledgements

This report was prepared with assistance from Max Kireev, C.E.T., Technologist II, Ted Koza, P. Eng., Transportation Design Engineer, both of the Transportation Planning and Design Division.

<b>PREPARED BY:</b>	<b>REVIEWED &amp; CONCURRED BY:</b>
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<b>RECOMMENDED BY:</b>	
<b>KELLY SCHERR, P.ENG., MBA, FEC MANAGING DIRECTOR, ENVIRONMENTAL &amp; ENGINEERING SERVICES AND CITY ENGINEER</b>	

Attach: Appendix A - Source of Financing

c.: Jeff Thomas, Development Engineering (London) Limited