

Report to Civic Works Committee

To: Chair and Members
Civic Works Committee

From: Kelly Scherr, P.Eng., MBA, FEC, Deputy City Manager,
Environment & Infrastructure

Subject: Kensington Bridge – Environmental Assessment
Appointment of Consulting Engineer

Date: September 21, 2021

Recommendation

That on the recommendation of the Deputy City Manager, Environment & Infrastructure, the following actions **BE TAKEN** with respect to the appointment of a Consulting Engineer to complete the Kensington Bridge Environmental Assessment Study:

- (a) AECOM Canada Ltd. **BE APPOINTED** as the Consulting Engineer to complete the Environmental Assessment of the Kensington Bridge Renewal Project at an upset amount of \$252,880 (excluding HST) in accordance with RFP21-41 and Section 15.2 (e) of the Procurement of Goods and Services Policy;
- (b) the financing for this assignment **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 assignment;
- (d) the approvals given herein **BE CONDITIONAL** upon the Corporation entering into a formal contract with the consultant for the work; and,
- (e) the Mayor and City Clerk **BE AUTHORIZED** to execute any contract or other documents including agreements, if required, to give effect to these recommendations.

Linkage to the Corporate Strategic Plan

The following report supports the 2019-2023 Strategic Plan through the focus areas of Strengthening our Community, Building a Sustainable City and Creating a Safe London for Women and Girls, by recognizing London's heritage and archeological resources, increasing access to transportation options, improving safety for all modes of transportation including active transportation connecting to downtown and building new infrastructure to support future development and to protect the environment.

Analysis

1.0 Context

The Kensington Bridge carries two lanes of eastbound traffic on Riverside Drive, bi-directional bike lanes and two sidewalks over the North Branch of the Thames River into Downtown London. Constructed in 1930, this three-span truss structure has serviced Londoners for almost 91 years and is the fourth oldest bridge in the City. This river crossing is in need of a major infrastructure renewal investment.

The Kensington Bridge has an overall span length of 32 m and overall width of nearly 15 m including the sidewalks, which are located exterior to the trusses. The west abutment is integrated with the West London Dyke System, there is a central pier, and the Thames Valley Parkway is located below the end spans of the bridge along both the east and west sides of the river. Bell Canada has multiple live conduits attached to the underside of the bridge, including both fibre optic and copper cables. London Hydro also has structure supported beneath the bridge.

A Cultural Heritage Evaluation Report completed in 2018, identified the Kensington Bridge as having design/physical, historic/associative and contextual value under Regulation 9/06 of the Ontario Heritage Act. Along with other factors, the structure is identified under Part V of the Ontario Heritage Act as it is located within the Blackfriars/Petersville Heritage Conservation District (HCD).

Previous major work on the bridge includes a deck replacement in 1960, construction of a concrete deck overlay in 1985, and structural steel repainting in 1996. Other minor works in recent years have included abutment refacing, sidewalk and deck repairs, bearing seat repairs, and replacement of the expansion joints. Recently, minor modifications have been made to the bridge deck to create a separated bike lane.

Current industry standard for the design life of a bridge is 75 years. Kensington Bridge has exceeded this design life and it is experiencing ongoing deterioration. Either a major rehabilitation of the structure would be required to extend its service life, or the bridge would need to be replaced or permanently removed. The Class Environmental Assessment process provides the tools necessary to evaluate the best, long term solution for this structure.

2.0 Discussion and Considerations

2.1 Project Objectives

The goal of this Environmental Assessment for the Kensington Bridge is to comply with the requirements of the Municipal Class EA Act and the MTO's Ontario Heritage Bridge Program to determine the recommended alternative for the future of this structure.

Generally, the scope of services shall be:

- Review and analyze all previous reports/investigations, plans, policies and information;
- Undertake technical analyses;
- Engage the public and stakeholders to allow public input throughout the study process and ensure active involvement in developing the recommendations for the future of the Kensington Bridge;
- Identify the preferred alternative for the Kensington Bridge;
- Document in a clear and transparent manner the process undertaken and provide formal documentation and presentations.

Figure 1, below provides a map of the location of Kensington Bridge.

Figure 1. Project Location



2.2 Anticipated Schedule

The Class “C” Environmental Assessment (EA) is expected to take approximately 18 months. Subject to the recommendations of the EA Study, and available budget, actual construction of the preferred alternative is tentatively scheduled for 2026.

2.3 Procurement Process

The consultant selection process for this assignment (RFP 21-41) has been undertaken in accordance with the City’s Procurement of Goods and Services Policy. The procurement process followed the two stage process with the first stage being an open, publicly advertised pre-qualification stage (RFQUAL19-17). Subsequently, a consultant shortlist comprising three engineering consulting firms was developed and these consultants were invited to submit detailed proposals and work plans. After the RFP was posted, three (3) addenda were issued to respond to questions, inquiries and requests for clarification. Proposals were received from the three consultants: Stantec Consulting Ltd., Dillon Consulting Limited and AECOM Canada Ltd. on July 30, 2021.

A two envelope RFP process was used, one envelope contained the technical project proposal and the second envelope contained the fee proposal. With the assistance of the Procurement Officer, the selection committee evaluated the proposals against an established evaluation criteria which included an understanding of project objectives, team member’s qualifications and experience on directly related projects.

At the end of the RFP process, the proponent with the highest score, demonstrating the ability to fully meet the City’s requirements and providing the best value for the City is AECOM Canada Ltd.. AECOM Canada Ltd. has experienced project team members, with the required qualifications. Their proven experience on similar projects combined with a project proposal that demonstrated a thorough understanding of the project goals

and objectives determined their suitability for this assignment. In accordance with Clause 15.2.g. of the Procurement Policy, the consultant will be considered for future project phases, subject to performance.

Conclusion

This project will provide the evaluation tools necessary to determine the preferred alternative to address the infrastructure renewal needs for the Kensington Bridge. The AECOM Canada Ltd. proposal has demonstrated a comprehensive understanding of the requirements for this project. Based on the competitive consultant procurement process, it is recommended that AECOM Canada Ltd. be appointed to undertake the Environmental Assessment for the Kensington Bridge in the amount of \$252,880 (excluding HST).

There are no anticipated additional annual operating costs to the Environment and Infrastructure Department budget associated with this consulting assignment.

Prepared by: Garfield Dales, P.Eng., Division Manager, Transportation Planning and Design

Submitted by: Doug MacRae, P.Eng., MPA, Director, Transportation and Mobility

Recommended by: Kelly Scherr, P.Eng., MBA, FEC, Deputy City Manager, Environment and Infrastructure

Attach: Appendix A: Source of Financing

cc: John Freeman, Manager, Purchasing and Supply
Mary Ma, Procurement Officer, Purchasing and Supply
Gary McDonald, Budget Analyst
John Pucchio, AECOM Canada Limited

Appendix "A"

#21160

September 21, 2021

(Appoint Consulting Engineer)

Chair and Members

Civic Works Committee

RE: Kensington Bridge – Class C Environmental Assessment

(Subledger BR210003)

Capital Project TS176320 - Bridges Major Upgrades

AECOM Canada Ltd. - \$252,880.00 (excluding HST)

Finance Supports Report on the Sources of Financing:

Finance Supports confirms that the cost of this project can be accommodated within the financing available for it in the Capital Budget and that, subject to the approval of the Deputy City Manager, Environment and Infrastructure, the detailed source of financing is:

Estimated Expenditures	Approved Budget	Committed To This Date	This Submission	Balance for Future Work
Consulting	1,062,755	805,425	257,330	0
Land Purchase	2,500	2,500	0	0
Construction	4,967,297	664,221	0	4,303,076
City Related Expenses	20,000	0	0	20,000
Total Expenditures	\$6,052,552	\$1,472,146	\$257,330	\$4,323,076

Sources of Financing

Capital Levy	959,226	959,226	0	0
Canada Community-Building Fund (Federal Gas Tax)	2,516,381	408,663	257,330	1,850,388
Drawdown from Self Insurance Reserve Fund	4,631	4,631	0	0
Drawdown from Capital Infrastructure Gap Reserve Fund	2,472,688	0	0	2,472,688
Other Contributions	99,626	99,626	0	0
Total Financing	\$6,052,552	\$1,472,146	\$257,330	\$4,323,076

Financial Note:

Contract Price	\$252,880
Add: HST @13%	32,874
Total Contract Price Including Taxes	285,754
Less: HST Rebate	-28,424
Net Contract Price	\$257,330

Jason Davies
Manager of Financial Planning & Policy

HB