

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: Adelaide Street North Bridge over the Thames River
Rehabilitation - Detail Design and Tendering
Appointment of Consulting Engineer

Date: April 9, 2024

Recommendation

That, on the recommendation of the Deputy City Manager, Environment & Infrastructure, the following actions **BE TAKEN** with respect to the rehabilitation of the Adelaide Street North Bridge over the Thames River:

- (a) Dillon Consulting Limited **BE AUTHORIZED** to carry out the detailed design and tendering in the amount of \$250,350 (excluding HST), in accordance with Section 15.2 (g) of the Procurement of Goods and Services Policy;
- (b) The financing for this contract amendment **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 contract; and,
- (d) The Mayor and City Clerk **BE AUTHORIZED** to execute any contract or other documents, if required, to give effect to these recommendations.

Executive Summary

In 2014, the City appointed Dillon Consulting Limited to complete a Schedule 'B' Municipal Class Environmental Assessment (EA) and Preliminary Design to connect an existing gap in the Thames Valley Parkway (TVP) from Richmond Street to Adelaide Street. Dillon Consulting was later retained in 2017 and 2019 to complete the detailed design and contract administration phases for the construction of the multi-use pathway connections along the North Branch of the Thames River between Richmond Street North and Adelaide Street North.

The Richmond to Adelaide Street North Thames Valley Parkway EA also recommended a multi-use pathway connection from the Stoney Creek pathway to the Thames Valley Parkway. This pathway connection requires modification to the Adelaide Street North Bridge over the Thames River. The bridge also requires rehabilitation to extend the service life and improve the condition of the structure.

This report seeks the appointment of Dillon Consulting Limited as the engineering consultant to undertake the detailed design and tendering phases required for the rehabilitation of the Adelaide Street North Bridge within this next phase of the pathway project.

Linkage to the Corporate Strategic Plan

Municipal Council's Strategic Plan identifies "Mobility and Transportation" as a strategic area of focus. This report supports the Strategic Plan by identifying the building of infrastructure that provides safe, integrated, connected, reliable and efficient transportation choices.

Analysis

1.0 Background Information

1.1 Previous Reports Related to this Matter

- Community and Protective Services Committee – August 25, 2014 – Richmond to Adelaide Street North, Thames Valley Parkway, Environmental Assessment Study, Appointment of Consulting Engineer
- Community and Protective Services Committee – July 19, 2016 – Thames Valley Parkway North Branch Connection, Class Environmental Assessment
- Civic Works Committee – August 29, 2017 – Thames Valley Parkway North Branch Connection, Detailed Design and Tendering, Appointment of Consulting Engineer
- Community & Protective Services Committee - July 18, 2023 – Active Transportation Fund for Stoney Creek Pathway Connection to the Thames Valley Parkway– Contribution Agreement

2.0 Discussion and Considerations

2.1 Background

Construction of a multi-use path on the Adelaide Street North Bridge was identified as part of the Thames Valley Parkway North Branch Connection Environmental Assessment Study which was approved in 2017. The Stoney Creek connection will provide a new multi-use pathway, over 1.2 km in length, along Windermere Road and Adelaide Street North connecting to the Thames Valley Parkway. This new connection will link the Stoney Creek neighbourhood to the Thames Valley Parkway pathway system. The Stoney Creek pathway is planned for construction in 2024 and is partially funded through a federal grant under the Active Transportation Fund.

The Stoney Creek pathway also requires modifications to the Adelaide Street North Bridge, located as shown in Figure 1. The bridge was constructed in 1982 and is in fair condition. Since its original construction, no major rehabilitation has occurred. As part of the 2023 Bridge Inspection Program, the Adelaide Street North Bridge was also recommended for major rehabilitation within the near term. Coordinating the required rehabilitation of the bridge as a phase of the pathway project will achieve cost-efficiencies and less user disruption.

In 2023, a detailed bridge condition survey and preliminary structural design report was completed and recommended that a major rehabilitation be completed to extend the service life by 30 years. The proposed rehabilitation of the Adelaide Street North Bridge includes removal and replacement of various components of the bridge structure such as the existing asphalt and waterproofing system, bridge expansion joints and repairs to some deteriorated concrete located on the bridge deck, girder ends, piers, abutments, east sidewalk and wingwalls. The pathway connection would be achieved through this rehabilitation with the removal and replacement of the west sidewalk with a new pathway.

The tender for the bridge rehabilitation is planned for late 2024 with a construction start in the Spring of 2025. It is anticipated that the project will be substantially complete in the Fall of 2025.

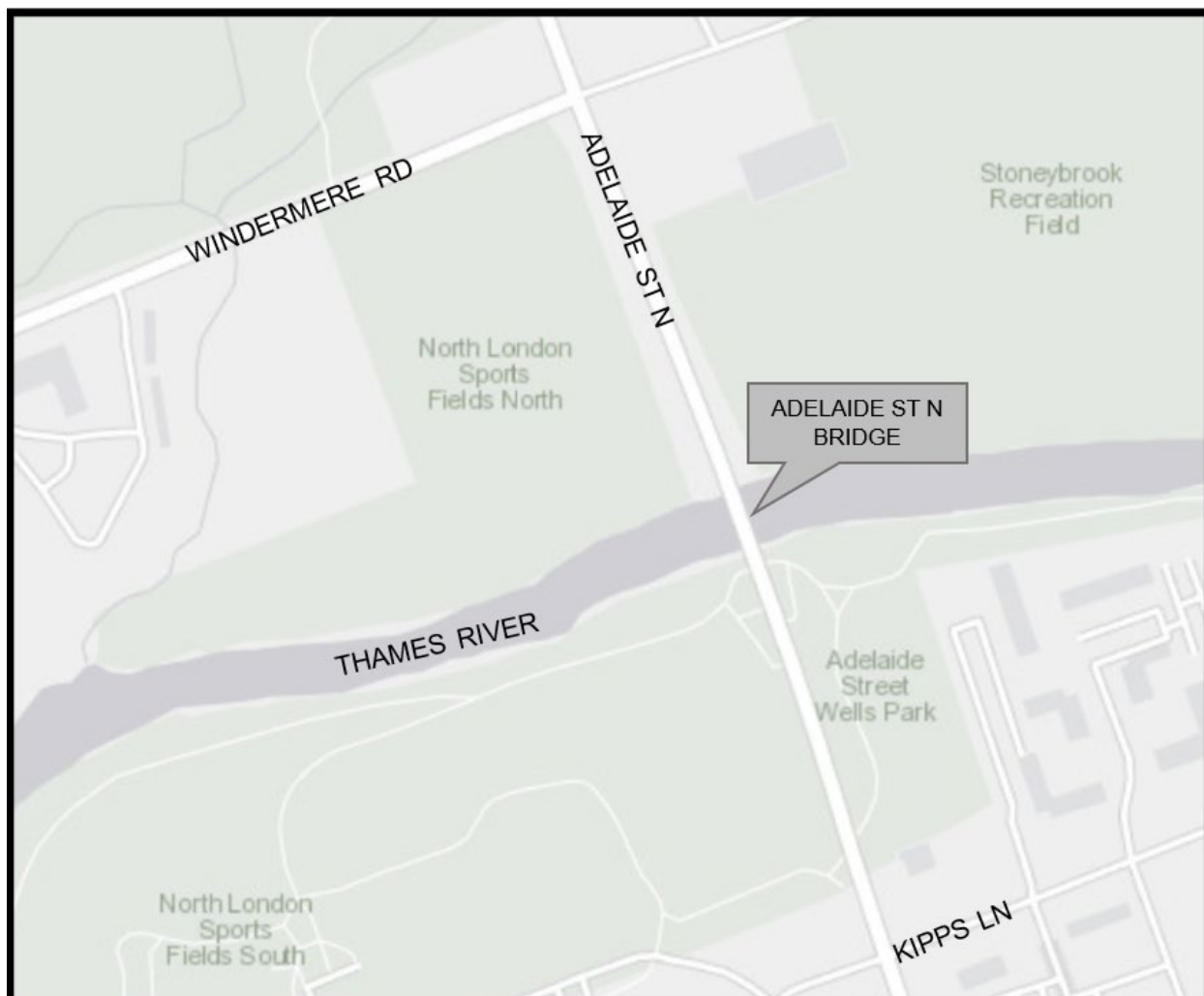


Figure 1: Adelaide Street North Bridge

2.2 Procurement Process

The consultant process for this assignment has been undertaken in accordance with Section 15.2 (g) of the City's Procurement of Goods & Services Policy:

A consulting firm which has satisfactorily partially completed a project may be recommended for award of the balance of a project without competition subject to satisfying all financial, reporting and other conditions contained within this Policy. This should be to the financial advantage of the City due to the fact that such a consultant has specific knowledge of the project and has undertaken work for which duplication would be required if another firm were to be selected.

Dillon successfully completed the Richmond to Adelaide Street North Thames Valley Parkway EA after a competitive procurement process (RFP14-46). Due to the consultant's past performance, knowledge and understanding of the project, the consultant was invited to submit a proposal to carry out the subsequent detailed design and tendering phases of the project. City staff have reviewed this proposal, including the financial and technical components, and confirmed that it addresses the required scope of work and provides good value for the City. The submitted fees are consistent with other similar city projects. The consultant's knowledge and past experience with this will result in cost and schedule efficiencies and provides good value for the City.

3.0 Financial and Schedule Considerations

This report identifies a financial commitment in the amount of \$250,350 (excluding HST) to complete the detailed design and tendering of the bridge rehabilitation and pathway connection. Funds for this additional work are available in the approved budget as per the attached Source of Financing Report in Appendix A. The amended contract includes a contingency in the event of unforeseen requirements.

Conclusion

The Adelaide Street North Bridge is recommended for rehabilitation in 2025 to improve its condition, extend the service life of the structure, and complete the Stoney Creek pathway connection to the Thames Valley Parkway. Integration of the life-cycle renewal rehabilitation with the pathway project will improve project delivery.

It is recommended that Dillon Consulting Limited be authorized to complete the detailed design and tendering phases required for the rehabilitation of Adelaide Street North Bridge and new pathway crossing over the Thames River.

Dillon Consulting Limited has demonstrated a good understanding of the requirements for this project and has effectively completed the earlier project phase in an effective manner. The City will realize cost and schedule efficiencies by appointing Dillon Consulting Limited to complete this project phase as they have significant knowledge, background and experience within their consulting team given their involvement in earlier project phases and bridge engineering expertise.

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

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

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

Appendix A: Source of Financing Report

c: Steve Mollon, Senior Manager, Procurement & Supply
Andrew Denomme, P.Eng., Transportation Design Engineer
Steven Funk, Technologist II
Curtis Watson, P.Eng., Dillon Consulting Limited