

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: RFP-2023-207 River Road Pavement Rehabilitation
Detailed Design and Construction Administration
Appointment of Consulting Engineer

Date: December 5, 2023

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 for the detailed design, tendering and construction administration of the River Road pavement rehabilitation:

- (a) The proposal submitted by Stantec Consulting Ltd. **BE ACCEPTED** to provide consulting engineering services to complete the detailed design, tendering, and construction administration services at an upset amount of \$313,076.50, (excluding HST), as per 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

Municipal Council's new 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 Context

The purpose of this report is to recommend the appointment of a consulting engineer to undertake the geotechnical investigation, pavement design, detail design, tendering, and construction administration for the River Road pavement rehabilitation and associated improvements. Council approval of this consultant contract award is required in accordance with the City's Procurement of Goods and Services Policy.

River Road has a poor pavement condition rating and is in need of rehabilitation. The

existing pavement design and flat terrain with minimal to no grade along the roadway has caused the road structure to deteriorate at an increased rate. Scanlan Street, west of River Road, has similar pavement condition concerns and is included in this assignment.

The River Road and Gore Road intersection also requires geometric and operational improvements to accommodate vehicle turning.

The project limits and location are shown in Figure 1 below:

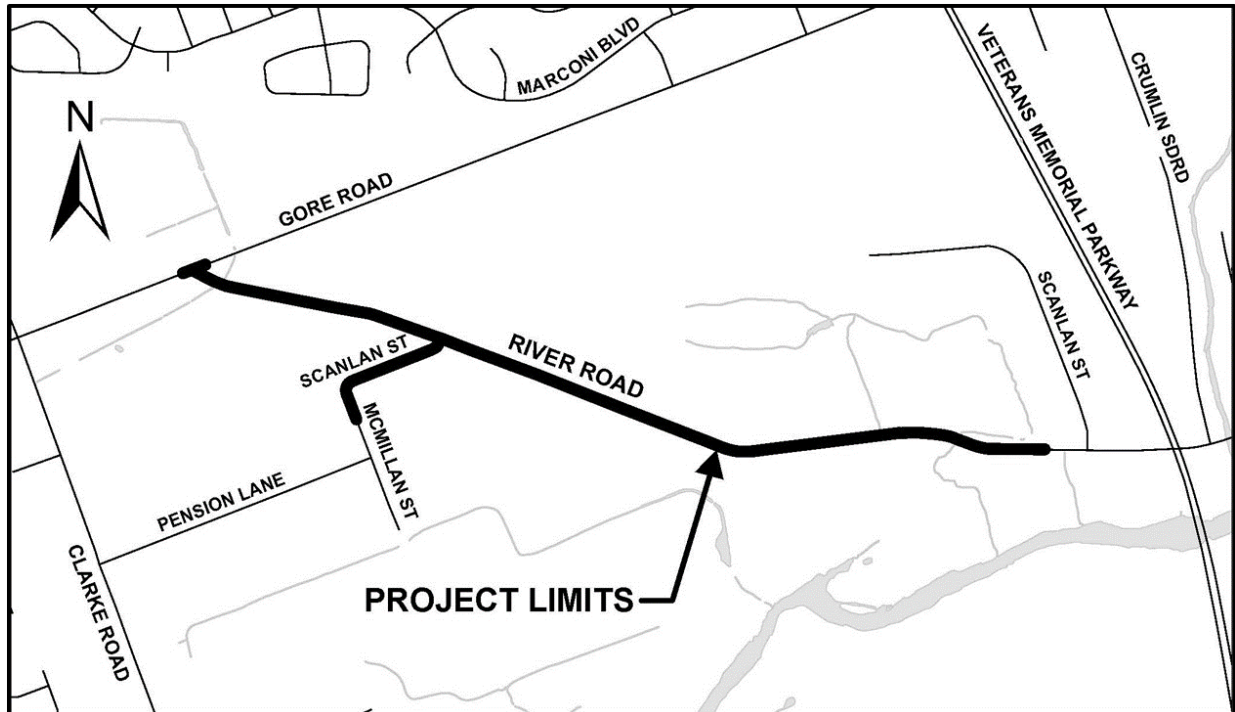


Figure 1: Project Limits

2.0 Discussion and Considerations

2.1 Project Background

River Road is classified as a Civic Boulevard with an average daily traffic volume of 4,000 vehicles per day. River Road is highly used by vehicles accessing the adjacent industrial lands which includes auto yards, a concrete plant, and mechanical shops. The road right-of-way property width is abnormally narrow and is occupied by the two-lane road and utility poles. The Pavement Quality Index (PQI) for River Road and Scanlan Street ranges between 28 and 34, which is a poor rating and indicates that rehabilitation is required.

The River Road and Gore Road intersection is currently a stop-controlled intersection. River Road intersects Gore Road at a skewed angle and requires geometric and operational improvements to better facilitate vehicle turning and traffic operations.

2.2 Project Objectives

The following is the recommended scope of work on River Road, Scanlan Street, and the Gore Road and River Road intersection:

River Road from the Gore Road intersection to 300m west of Veterans Memorial Parkway and Scanlan Street (west of River Road)

- Rehabilitate the pavement structure;
- Improve the roadway base and shoulder conditions.

Gore Road & River Road Intersection

- Address geometric and operational deficiencies to improve vehicle turning subject to localized property acquisition.

The very narrow width of the road right-of-way throughout the project requires site-specific engineering scrutiny and limits the scope of the project to pavement rehabilitation. Implementation of complete streets amenities such as urban curb and gutter, protected cycling facilities and sidewalks are not feasible within the limited property available throughout the corridor.

2.3 Consultant Procurement Process

The consultant selection process for this assignment has been undertaken in accordance with Section 15.2 (e) of the City's Procurement of Goods and Services Policy which states:

Assignments for complex projects, or projects with estimated consulting fees greater than the CFTA threshold for goods and services limit as amended, shall be awarded based on a two (2) stage process with the first stage being an open, publicly advertised expression of interest/pre-qualification stage (REOI/RFPQ), and the second being a RFP of the short-listed firms, of which there shall be a minimum of three (3) qualified firms stating their approach to the proposed project and their experience and knowledge of projects similar in nature.

Prequalification RFQual21-16 was completed to pre-qualify engineering consultants for environmental assessment, design and contract administration of transportation infrastructure projects. Request for Proposals, RFP-2023-207 was issued for this project. Stantec Consulting Ltd., AGM Engineering Ltd. and Arcadis Professional Services (Canada) Inc. were invited to submit proposals for this project. City staff have reviewed all proposals, including the financial and technical components, and confirmed that the Stantec Consulting Limited submission addresses the required scope of work and provides the best value for the city.

3.0 Financial and Schedule Considerations

Funds are identified in the capital budget for the engineering, detailed design, and construction administration of the River Road pavement rehabilitation project as per the Source of Financing attached as Appendix A.

As part of the design phase, a construction phasing and project delivery schedule will be developed. It is anticipated that the construction will commence in 2025 with some advance works and pre-engineering activities in 2024.

Coordination with property owners, London Hydro and other utility owners is planned early in the design process. Network traffic management and a communications plan for the construction phase will be developed to inform road users, outline detours during potential closures, delays or restrictions, and instruct local traffic movement.

Conclusion

Pavement rehabilitation of River Road and Scanlan Street to the west is required to address the poor pavement condition and extend the lifespan of the road infrastructure.

Stantec Consulting Ltd. has demonstrated a comprehensive understanding of the requirements for this project. Based on the evaluation of their submitted proposal, it is recommended that Stantec Consulting Ltd. be appointed the consulting engineer to undertake the detail design, tendering, and construction administration for the River Road Rehabilitation Pavement Rehabilitation project in the amount of \$313,076.50 (excluding HST).

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

Appendix A: Source of Financing **(To be attached after report is
approved)**

c: Isaac Bartlett, Stantec Consulting Ltd.
Kevin Welker, Stantec Consulting Ltd.
Paul Yanchuk, City of London, TP&D
Steven Funk, City of London, TP&D
Steven Mollon, City of London, Procurement & Supply

Appendix "A"

#23211

December 5, 2023

(Appoint Consulting Engineer)

Chair and Members

Civic Works Committee

RE: River Road Pavement & Drainage Improvement Detailed Design & Construction Administration

(Subledger RD230015)

Capital Project TS144622 - Road Networks Improvements

Stantec Consulting Ltd. - \$313,076.50 (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 recommendation 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
Engineering	1,000,000	326,263	318,587	355,150
Construction	12,234,025	4,304,129	0	7,929,896
City Related Expenses	241	241	0	0
Total Expenditures	\$13,234,266	\$4,630,633	\$318,587	\$8,285,046

Sources of Financing

Drawdown from Transportation Renewal Reserve Fund	2,595,185	0	0	2,595,185
Canada Community-Building Fund	10,639,081	4,630,633	318,587	5,689,861
Total Financing	\$13,234,266	\$4,630,633	\$318,587	\$8,285,046

Financial Note:

Contract Price	\$313,077
Add: HST @13%	40,700
Total Contract Price Including Taxes	353,777
Less: HST Rebate	-35,190
Net Contract Price	\$318,587

Jason Davies
Manager of Financial Planning & Policy

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