



Council Report

Report Number: PUR2023-004
Meeting Date: April 18, 2023
Title: Rehabilitation of CKL Road 35 and Fish Hawk Road Bridges
Author and Title: Linda Lee, Buyer

Recommendation(s):

That Report PUR2023-004, **Rehabilitation of CKL Road 35 and Fish Hawk Road Bridges**, be received;

That Bob Hendricksen Construction Ltd., be awarded the Request for Quotation 2022-124-CQ Rehabilitation of CKL Road 35 and Fish Hawk Road Bridges for the amount of \$2,880,179.53 not including HST;

That Chisholm, Fleming and Associates be selected for the single source award for contract administration and inspection in the amount of \$141,780;

That the additional expenditure of \$1,509,555 be funded from Debenture;

That subject to receipt of the required documents the Mayor and Clerk be authorized to execute the agreement; and

That the Procurement Division be authorized to issue a purchase order.

Department Head: _____

Financial/Legal/HR/Other: _____

Chief Administrative Officer: _____

Background:

CKL Road 35 Bridge #035102 located on Fenel Road (CKL Road 35), approximately 1.31 km south of Portage Road (CKL Road 48) was constructed in 1968. It is currently a three span cast in place, concrete deck on five precast concrete girders with an overall structure width of 11.38m and roadway width of 8.53m.

Due to the extensive deterioration of the concrete deck, a significant amount of the deck top requires rehabilitation. Based on the condition of the bridge the following scope of work has been identified:

Removal of deteriorated concrete and repairs to curbs, sidewalk, fascias, soffit, girders, diaphragms, piers, abutments, ballast walls and wingwalls.

Rehabilitation of the deck wearing surface including removal of deteriorated concrete, scarifying the remaining deck, application of concrete overlay, removal of expansion joints, removal of asphalt from the approaches, removal and reconstruction of ballast walls, and reconstruction of deck ends to semi-integral.

Construction of approach slabs, waterproof and paving of deck, repaving of approaches, replacement of railings, repair hazard marker at northeast corner of bridge, replacement of damaged northeast guiderail and end treatment, and replacement of missing cap for navigation light wiring.

Fish Hawk Road Bridge #300039 located on Fish Hawk Road, approximately 1.42 km east of Fenel Road (CKL Road 35) was constructed in 1961. It is currently a single span with a concrete reinforced cast in place deck on five steel girders with an overall structure width of 9.55m and a roadway width of 8.53m.

Due to the poor condition of the structure it is recommended to remove and replace all major elements of the structure.

The 2022 Capital Budget Program identified CKL Road 35 Bridge over Canal Rehabilitation and Fish Hawk Road Bridge Rehabilitation.

After comparing the original estimate to actual tender costs minor increases to most items were noticed. Major price increases have been identified in items that include steel fabrication and maintenance of traffic.

Both design assignments were completed by Chisholm Fleming and Associates. Structural Design reports were compiled for both bridges and construction cost estimates were prepared in Q2 2021.

Request for Quotation 2022-124-CQ Rehabilitation of CKL Road 35 and Fish Hawk Road Bridge was issued in accordance to the Purchasing Policy. The quotation was opened on February 2, 2023 with the following results:

Company Name	Price
Bob Hendricksen Construction Ltd.	\$2,880,179.53
GMP Contracting (2274084 Ontario Ltd)	\$2,956,973.04
Enscon Ltd.	\$3,238,436.00
Nuroad Construction Limited	\$3,569,093.00
Clearwater Structures Inc.	\$3,599,332.00
Fidelity Engineering & Construction Inc.	\$4,800,000.00

Quotations were checked for mathematical errors and compliancy to the quotation. One Company was disqualified due to lack of experience on bridge work.

The EA and design for replacement of CKL Road 35 Bridge and Fish Hawk Road Bridge was approved through PAR2020-028 report and awarded to Chisolm, Fleming and Associates.

Engineering and Corporate Assets staff requested Chisolm, Fleming and Associates provide a quote for contract administration and construction inspection services and was received in the amount of \$141,780 (not including HST).

This report is requesting approval for award of this single source expense in addition to the selection of award for rehabilitation of the two structures under Request for Quotation 2022-124-CQ. Staff recommend this option since Chisolm, Fleming and Associates designed the bridge rehabilitation specifications and special provisions and have the necessary experience and knowledge to continue to be involved with these services.

Rationale:

Staff recommends that the City award to Bob Hendricksen Construction Ltd. for the total quoted price of \$2,880,179.53 not including HST.

Staff does not recommend delaying these projects any longer as prices have gone up for bridge work over the last few years and there is a risk that if these projects are delayed, the City could see another increase in cost.

Other Alternatives Considered:

No other alternative is being considered as a competitive Procurement process was issued and the lowest compliant bidder is being recommended.

Alignment to Strategic Priorities

The recommendation in the report contributes to Council’s adopted strategic plan namely:

1. An Exceptional Quality of Life
2. A Vibrant and Growing Economy
3. Good Government

Financial/Operation Impacts:

Funds for 2022-124-CQ Rehabilitation of CKL Road 35 and Fish Hawk Bridge were approved through the 2022 Capital budget.

Project Number	Project Budget	Other Committed Funds *see below	Project Balance	Purchase Amount (excl. HST)	10% Contingency	HST Payable	Total Amount	Project Balance
983220101	\$924,000	\$97,101	\$826,899	\$1,552,276	\$155,228	\$30,053	\$1,737,557	(\$910,658)
983220102	\$984,000	\$96,495	\$887,505	\$1,327,903	\$132,790	\$25,709	\$1,486,402	(\$598,897)
Total	\$1,908,000	\$193,596	\$1,714,404	\$2,880,179	\$288,018	\$55,762	\$3,223,959	(\$1,509,555)

Other committed funds include contract administration, inspection and staff labour.

Debenture financing is the sole source funding for both bridges in the 2022 capital budget. Therefore, it makes sense to request additional debenture financing for the overage in both projects.

Any surplus or deficit will be dealt with by the Treasury Department according to the Capital Close policy.

Consultations:

Executive Assistant – Engineering and Corporate Assets
 Accounts Clerk
 Manager, Infrastructure, Design and Construction

Department Head email: jrojas@kawarthalakes.ca

Department Head: Juan Rojas, Director of Engineering and Assets

Department File: 2022-124-CQ