
Subject: Award of Contract 2024-T-195 Regional Road 81 King Street Replacement of Twenty Mile Creek Arch Bridge (Structure 081210) in the Town of Lincoln

Report to: Public Works Committee

Report date: Tuesday, December 3, 2024

Recommendations

1. That Contract 2024-T-195 Regional Road 81 King Street Replacement of Twenty Mile Creek Arch Bridge (Structure 081210) in the Town of Lincoln, **BE AWARDED** to the lowest compliant bidder, Urban Link Civil Ltd., at their bid price of \$8,101,010.12 (including 13% HST); and
2. That the Regional Chair and the Regional Clerk **BE AUTHORIZED** to execute the contract documents, in a form satisfactory to the Director, Legal and Court Services.

Key Facts

- This report seeks Council approval to award Contract 2024-T-195 Regional Road 81 King Street Replacement of Twenty Mile Creek Arch Bridge (Structure 081210), in the Town of Lincoln to the lowest compliant bidder, Urban Link Civil Ltd., at the submission price of \$8,101,010 (including 13% HST).
- A public tender process was issued through Procurement and Strategic Acquisitions, and six (6) bids were received with the lowest compliant bid being \$7,169,036 (excluding 13% HST) from Urban Link Civil Ltd.
- A Schedule “C” Municipal Class Environmental Assessment was completed in 2022 to address the bridge replacement.
- \$10,462,710 has been approved as the capital project budget for Transportation under Project 20000663 - Replacement of the Twenty Mile Creek Arch Bridge (Structure 081210).
- The Niagara Region Procurement By-law 02-2016, as amended February 28, 2019, in accordance with Schedule B, requires that Council approve tender awards greater than \$5,000,000.

Financial Considerations

The total cost of this contract award is \$7,295,225 (including non-recoverable HST). There are sufficient funds in the capital budget for Project 20000663 to award this contract.

Council initially approved \$500,000 in 2018 for the detailed design, property acquisition and utility relocations for the bridge replacement project.

Council approved an additional \$4,520,000 in 2019 and \$5,000,000 in 2023 to meet the Region's project construction needs for a total project budget of \$10,020,000.

A gross budget adjustment of \$442,710 (including non-recoverable HST) was recently processed in November 2024 to rebuild the Sho'arishon Park which will be funded by the Town of Lincoln as a cost sharing partner in the project. The total revised budget for Project 20000663 is \$10,462,710.

The final cost sharing contribution from The Town of Lincoln will be based on actual construction values.

Funding sources for this project are as follows:

- Federal Gas Tax \$3,150,000
- Development Charges \$1,850,000
- Debt Funding \$5,020,000
- Town of Lincoln Cost Sharing \$ 442,710

The total cost of this contract award is \$7,295,225 (including non-recoverable HST). There are sufficient funds in the capital budget for Project 20000663 to award this contract.

A full budget breakdown can be found in Appendix 1 to Report PW 37-2024 - Total Estimated Project Cost.

Analysis

Twenty Mile Arch Bridge was built in 1940 and is now past its useful life and requires replacement.

The Twenty Mile Arch Bridge is located in the Jordan Valley area and crosses the Sixteen Mile creek water course as shown in Appendix 2 to Report PW 37-2024. The

Region completed a Schedule “C” Municipal Class Environmental Assessment of the Twenty Mile Arch Bridge in June 2022. Through the Environmental Assessment process there were a number of alternatives reviewed to address the bridge condition, capacity, natural environment, property, costs, etc. The replacement of the existing structure in the same location was the most economical option, had the least impact on the sensitive natural environment and the least impact on existing properties.

Niagara Region has partnered with Town of Lincoln to leverage economy of scale.

The project includes full replacement of the Twenty Mile Arch Bridge structure, including a widened pedestrian platform along with plans to rebuild the Sho’arishon Park for the Town of Lincoln. The Town and the Region have collaborated on an inaugural inclusion of a unique First Nation themed pedestrian barrier over the bridge structure. The construction also includes the installation of a temporary one (1) lane bridge to allow traffic passage during the construction phase.

A public tender process was followed for this procurement.

A public tendering process was initiated to solicit bids. The tender was made public on October 4, 2024, and closed on November 7, 2024. Six (6) bids were received with Urban Link Civil Ltd. at the lowest bid price of \$7,169,036 (excluding 13% HST).

The Procurement By-law 02-2016, as amended February 28, 2019, in accordance with Schedule B, requires that Council approve tender awards greater than \$5,000,000.

The Region will prioritize communication throughout the project.

The Region will communicate to the public using various tactics throughout the project including, but not limited to, notices to directly affected residents and a Public Information centre.

Alternatives Reviewed

Approve the tender award (Recommended). This will allow the timely replacement of the Twenty Mile Arch Bridge structure and ensuring traffic can be maintained through the valley.

Do nothing (Not recommended). If Council chooses not to move forward with this project, the bridge would need to be closed in the near future and the Region would eliminate the transportation corridor between Jordan and Vineland. This would also impact the ability of emergency services to respond in a timely manner, interrupt the Niagara wine route, and impede on the ability for businesses and residents to navigate through the Town of Lincoln.

Relationship to Council Strategic Priorities

This recommendation relates to the Prosperous Region Strategic Priority. Investing in new infrastructure will have a short-term improvement in the skilled trades required to replace the bridge. The structure replacement will also enhance the active transportation and transportation network in the Niagara Region.

Prepared by:

Mike Wilson, A.Sc.T., PMP
Manager of Capital Projects
Transportation Engineering

Recommended by:

Terry Ricketts, P.Eng.
Commissioner of Public Works
Public Works Department

Submitted by:

Ron Tripp, P.Eng.
Chief Administrative Officer

This report was prepared in consultation with Graeme Guthrie, Associate Director Transportation Services, Brian McMahon, Program Financial Specialist, Janet Rose, Communications Consultant, and reviewed by Frank Tassone, Director Transportation Services, Donna Gibbs, Director of Legal Court Services and Michelle Rasiulis, Procurement Manager

Appendices

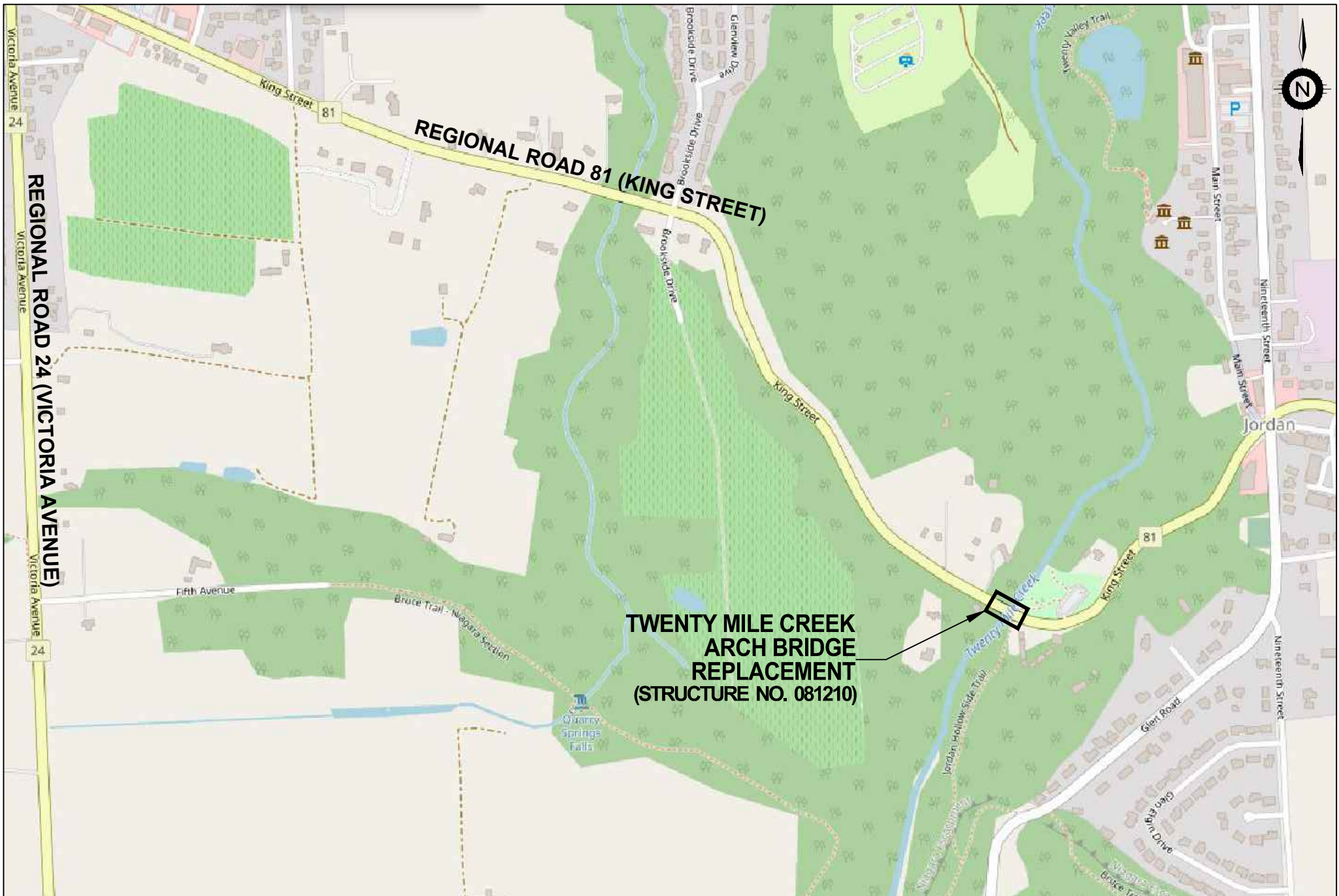
- Appendix 1 Total Estimated Project Cost
- Appendix 2 Key Plan

Total Estimated Project Cost (20000663)* and Project Funding Sources	Council Approved Budget	Budget Increase/ Reallocation	Revised Council Approved Budget	Expended & Committed as of 10/31/24	Contract Award/ Forecast	Budget Remaining
	(A)	(B)	(C) = (A) + (B)	(D)	(E)	(F) = (C)-(D)- (E)
Project Element						
(a) Planning	100,000	(91,362)	8,638	8,638	-	-
(b) Construction (including Construction Contingency and 1.76% non-recoverable HST)						
i. Niagara Region	9,520,000	(2,224,775)	7,295,225	-	7,295,225	-
ii. Cost Sharing - Town of Lincoln	442,710	-	442,710	-	442,710	-
(c) Project Contingency	-	516,137	516,137	-	516,137	-
(d) Property Acquisition	150,000	150,000	300,000	4,408	295,592	-
(e) Consulting Engineering Services						
i. Detailed Design	250,000	400,000	650,000	482,852	167,148	-
ii. Contract Administration & Inspection	-	450,000	450,000	-	450,000	-
iii. Geotechnical Service-Quality Control	-	50,000	50,000	-	50,000	-
(f) Project Management (In-House) and Operations	-	100,000	100,000	51,793	48,207	-
(g) Utility Relocation	-	350,000	350,000	85,892	264,108	-
(h) Miscellaneous	-	300,000	300,000	-	300,000	-
Total Estimated Project Cost	10,462,710	-	10,462,710	633,583	9,829,126	-

<u>Total Estimated Project Cost (20000663)* and Project Funding Sources</u>	Council Approved Budget	Budget Increase/ Reallocation	Revised Council Approved Budget	Expended & Committed as of 10/31/24	Contract Award/ Forecast	Budget Remaining
<u>Project Funding Sources</u>						
Regional Debt	5,020,000	-	5,020,000	-	5,020,000	-
Development Charges	1,850,000	-	1,850,000	88,690	1,761,310	-
CWWF/Gas Tax	3,150,000	-	3,150,000	338,059	2,811,941	-
Municipal Cost Sharing - Town of Lincoln	442,710	-	442,710	-	442,710	-
Total Project Funding Sources	10,462,710	-	10,462,710	426,749	10,035,961	-

*All costs include 1.76% non-recoverable HST

**Total Contract Award is equal to i) \$7,169,035.50 before tax; ii) \$7,295,224.86 including 1.7602% non-recoverable HST; iii) \$8,101,010.12 including 13% HST



**TWENTY MILE CREEK
ARCH BRIDGE
REPLACEMENT
(STRUCTURE NO. 081210)**



APPENDIX 2 - REPORT PW 37-2024
REGIONAL ROAD 81
REPLACEMENT OF THE TWENTY MILE CREEK ARCH BRIDGE (STRUCTURE 081210)
IN THE TOWN OF LINCOLN

DATE	OCT 2024
SCALE	NOT TO SCALE
REF. No.	APPENDIX 1
DWG No.	KEYPLAN