
Subject: Award of Contract 2023-T-222 Regional Road 45 Oswego Creek Bridge (Structure No. 045205) Over Oswego Creek, in the Township of Wainfleet

Report to: Public Works Committee

Report date: Tuesday, March 5, 2024

Recommendations

1. That Contract 2023-T-222 Regional Road 45 Oswego Creek Bridge (Structure No. 045205) over Oswego Creek, **BE AWARDED** to, Anthony's Excavating Central Inc., at their bid price of \$5,836,335.87 (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

- The purpose of this report is to seek Council approval to award Contract 2023-T-222 Regional Road 45 Oswego Creek Bridge (Structure No. 045205) over Oswego Creek, in the Township of Wainfleet to the lowest compliant bidder, Anthony's Excavating Central Inc., at the submission price of \$5,164,899 (excluding 13% HST).
- A public tender process was issued through Procurement and Strategic Acquisitions, and five (5) bids were received with the lowest compliant bid being \$5,164,899 (excluding 13% HST) from Anthony's Excavating Central Inc.
- The Purchasing By-law 02-2016, as amended, in accordance with Schedule B, requires that Council approve tender awards greater than \$5,000,000.
- A Schedule "C" Municipal Class Environmental Assessment was completed in 2021 to address road capacity, road condition, road safety and bridge structure capacity.
- The Oswego Creek Bridge has been closed to traffic for safety reasons due to the condition of the structure since early 2022.

Financial Considerations

In 2023 Council approved a total of \$8,425,000 for Project 20001772 (Regional Road 45, Oswego Creek Bridge Replacement-Structure 045205). This capital budget approval followed the recommended alternative from the Schedule "C" Municipal Class Environmental Assessment, Regional Road 45 Creek Road. There are sufficient funds

in the Capital budget to award this contract. The design for the bridge replacement was completed from prior approved funds.

Funding sources for this project are as follows:

- Reserves – Levy \$4,212,500
- Development Charges \$4,212,500

The total cost of this contract award is \$5,255,801.22 (including 1.76% non-refundable HST).

A full budget breakdown can be found in Appendix 2 to Report PW 6-2024 Total Estimated Project Cost.

Analysis

Regional Road 45, Creek Road carries approximately 1,300 average annual daily traffic (1,300 AADT) along this corridor. This road section travels parallel to the south side of the Welland River. Refer to Appendix A for details.

The Region previously completed a Schedule “C” Municipal Class Environmental Assessment process in 2021 for Regional Road 45 (Creek Road) from Regional Road 27 (River Road) to Regional Road 63 (Canborough Road) to address road condition, intersection safety, road safety and bridge replacement.

This contract award addresses the Oswego Creek Bridge replacement, as recommended in the Municipal Class Environmental Assessment.

The project includes full replacement of the Oswego Creek Bridge, including the widening from a 1-lane cross section to a 2-lane cross section with on-road active transportation. The road approaches leading to the structure are being raised in elevation to address the bridge flooding experienced in the past. The current bridge structure is below the 100-year flood plane. This change in elevation of the road requires a reinforced earth retaining wall and guiderails.

The bridge structure was closed to vehicular traffic in 2022 due to its rapidly deteriorating condition. The bridge has remained closed since that time and detours have been in place.

Residents that are directly impacted by the bridge replacement, have already been included in the communication associated with preliminary works such as environmental permitting, utilities and property impacts. Staff will be hosting a virtual Public Information Session in the coming weeks to advise the greater public of the proposed works and timing. This does include the Township of Wainfleet.

A public tendering process was initiated to solicit bids. The tender was posted on December 14, 2023, and closed January 26, 2024. Five bids were received as follows (excluding taxes):

- Anthony's Excavating Central Inc.	\$5,164,899.00
- Rankin Construction Inc.	\$5,789,035.25
- Urbanlink Civil Ltd.	\$7,233,000.00
- Clearwater Structures Inc.	\$7,522,970.00
- Strabag Inc.	\$8,369,287.00

Contract award requires resources from Corporate and Legal Services in order to execute the required contract documents. Transportation Engineering staff will be providing resources throughout the project in order to manage the contract with assistance from Corporate Services on contract/project payments.

Alternatives Reviewed

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.

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.

Information about [Council's 2023-2026 Strategic Priorities](https://www.niagararegion.ca/priorities/) is available on the Region's website (<https://www.niagararegion.ca/priorities/>).

- Effective Region
- Green and Resilient Region
- Equitable Region
- Prosperous Region

Other Pertinent Reports

N/A

Prepared by:

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Recommended by:

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Commissioner of Public works
Public Works Department

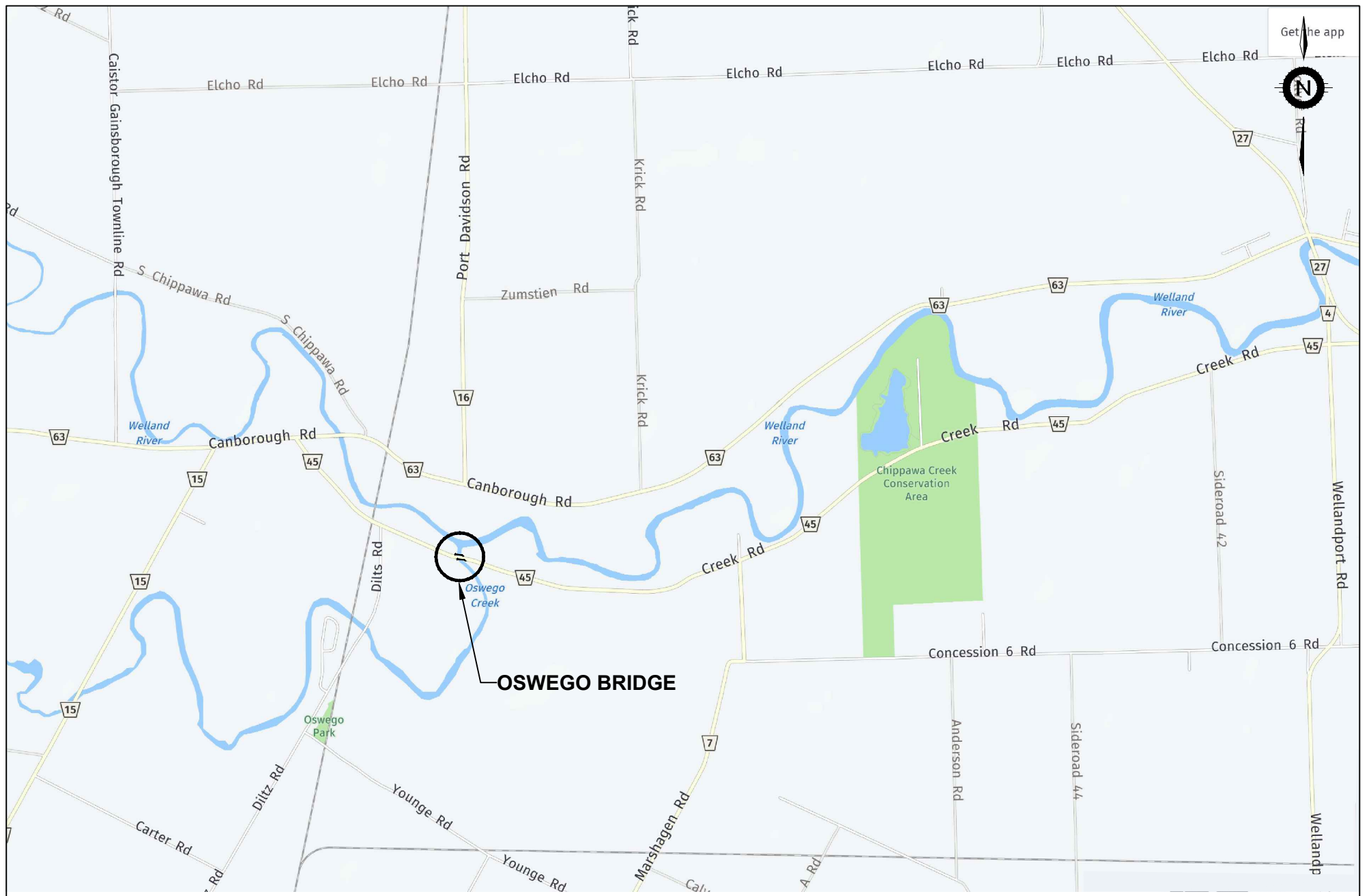
Submitted by:

Ron Tripp, P.Eng.
Chief Administrative Officer

This report was prepared in consultation with Brian McMahon, Program Financial Specialist and reviewed by Frank Tassone, Director Transportation Services, Donna Gibbs, Director of Legal Court Services and Michelle Rasiulis, Procurement Manager.

Appendices

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



OSWEGO BRIDGE



PW 6-2024 Appendix 1 - Key Plan
Award of Contract 2023-T-222 Regional Road 45
Oswego Creek Bridge Replacement
In the Township of Wainfleet

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

PW 6-2024 Appendix 2

Total Estimated Project Cost

Regional Road 45 (Creek Road) Oswego Creek Bridge Replacement Contract 2023-T-222 Award

Total Estimated Project Cost (20001772)	Approved Budget	Budget Increase/ Reallocation	Revised Approved Budget	Expended & Committed as of 01/26/24	Estimated Forecasted Costs	Budget Remaining
Project Element	(A)	(B)	(C) = (A) + (B)	(D)	(E)	(F) = (C)-(D)-(E)
(a) Construction (including Construction Contingency and 1.76% non-refundable HST)**	7,425,000	(2,169,199)	5,255,801	-	5,255,801	-
(b) Project Contingency	-	742,500	742,500	-	742,500	-
(c) Property Acquisition	-	600,000	600,000	-	600,000	-
(d) Consulting Engineering Services						
i. Detailed Design	-	-	-	-	-	-
ii. Contract Administration & Inspection	-	400,000	400,000	-	400,000	-
iii. Geotechnical Service-Quality Control	-	400,000	400,000	-	400,000	-
(e) Project Management (In-House) and Operations	-	110,000	110,000	-	110,000	-
(f) Traffic Signals and Signs	-	-	-	-	-	-
(g) Utility Relocation	1,000,000	(400,000)	600,000	-	600,000	-
(h) Subsurface investigation	-	150,000	150,000	-	150,000	-
(i) Miscellaneous	-	166,699	166,699	-	166,699	-
Total Estimated Project Cost	8,425,000	-	8,425,000	-	8,425,000	-

Project Funding Sources

Regional reserves & debt	(4,212,500)	-	(4,212,500)	(4,212,500)	-	-
Development Charges - Roads	(4,212,500)	-	(4,212,500)	-	(4,212,500)	-
Total Project Funding Sources	(8,425,000)	-	(8,425,000)	(4,212,500)	(4,212,500)	-

*All costs include 1.76% non-refundable HST

** Total Contract Award is equal to i) \$5,164,899.00 before tax; ii) \$5,255,801.22 including 1.76% non-refundable HST; iii) \$5,836,335.87 including 13%