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**Subject:** Award of Contract No. 2021-T-70 – Reconstruction of Regional Road 1 (Dominion Road) from Beachview Avenue to Lakeshore Road in the Town of Fort Erie

**Report to:** Public Works Committee

**Report date:** Tuesday, December 7, 2021

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## Recommendations

1. That Contract 2021-T-70 – Reconstruction of Regional Road 1 (Dominion Road) from Beachview to Lakeshore Road, in the Town of Fort Erie, **BE AWARDED** to Rankin Construction Inc., at their bid price of \$7,218,174.45 (including 13% HST).

## Key Facts

- The purpose of this report is to seek Council's approval to award Contract 2021-T-70 for the Reconstruction of Regional Road 1 (Dominion Road) from Beachview to Lakeshore Road, in the Town of Fort Erie to Rankin Construction Inc.
- The Purchasing By-law 2016-02 requires that Council approve tender awards greater than \$5,000,000.
- The section between Lakeshore Road and Beachview Avenue is deficient in terms of road surface condition, drainage, and intersection geometry. The Region intends to reconstruct this section of roadway to eliminate these deficiencies. In order to proceed with the reconstruction the Region retained a consultant to prepare the detailed design for the reconstruction, intersection improvements, illumination, and infrastructure improvements. Some issues to be addressed include sight lines, sidewalk issues, cycling facilities and drainage.
- A public tender process was initiated and a total of three (3) bids were received with the lowest bid being \$6,387,765.00 (excluding taxes) from Rankin Construction Inc.
- The Town of Fort Erie and the Niagara Parks Commission are cost sharing partners in this project and have a total combined contribution of \$722,800 (with respective contributions of \$125,427 for the Town of Fort Erie and \$597,373 for the Niagara Parks Commission) related to the construction of roundabout, storm sewers, watermain insulation, and sidewalks.

## Financial Considerations

A full budget breakdown can be found in Appendix 3 Total Estimated Project Cost. Total approved budget for the project is \$8,297,800 with \$611,857 spent and committed to date. In mid-November 2021, staff increased the cost sharing contribution budget for cost sharing agreements executed under delegated authority from \$100,000 to \$125,427 for the Town of Fort Erie; and from \$350,000 to \$597,373 for the Niagara Parks Commission.

The two (2) cost sharing agreements have been executed by the Niagara Region, the Town Fort Erie and the Niagara Parks Commission.

## Analysis

- Regional Road 1 (Dominion Road) connects the Fort Erie Urban Area and the Crystal Beach Urban area and is an important regional transportation corridor. It runs from Lakeshore Road (at the Historic Old Fort Erie) to Gorham Road in the village of Ridgeway. The section of Dominion Road to be addressed in the construction is located between Lakeshore Road and Beachview Avenue.
- Niagara Region retained AECOM, to undertake the detailed design for the project through a competitive procurement process under 2015-RFP-34.
- The project proceeded in accordance with the Municipal Class Environmental Assessment Schedule A+ process. A Key Plan of this area is included as Appendix 1.
- The proposed improvements for Dominion Road include a two lane urban cross section from Albert Street to Lakeshore Road and rural cross section from Beachview Avenue to Albert Street, bicycle lanes the entire length, lighting improvements, sidewalks on both sides (within urbanized section), and construction of a roundabout at the intersection of Dominion Road and Lakeshore Road.
- A public tender process was initiated on Thursday October 7, 2021, to obtain tenders for the Reconstruction of Regional Road 1 (Dominion Road) From Beachview Avenue to Lakeshore Road. Niagara Region received three (3) electronic bids on Tuesday November 2, 2021.
- Niagara Region's Procurement & Strategic Acquisitions reviewed the bids received for compliance, and determined that all bids were compliant.

- Regional Staff reviewed the bids received and recommend the award of Tender 2021-T-70 to Rankin Construction Inc. at their bid price \$6,387,765.00 (excluding HST) as noted in Appendix 2.
- Contract award requires resources from Corporate 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.
- The Consultant was awarded the Detailed Design in 2015, at which time the Contract Administration (CA) and Inspection (I) were not included within the RFP documents. Niagara Regional Transportation Staff will be providing the necessary CA and Inspection.

### **Alternatives Reviewed**

The pavement condition is identified as poor within the project limits with a Pavement Condition Index (PCI) of 37 and is included in the Asset Management Plan (AMP). The road structure continues to deteriorate and will require advanced maintenance if further delayed.

Although alternatives are limited on a road reconstruction project, road design elements were reviewed as part of the detailed design process.

The intersection of Lakeshore Road and Dominion Road has a unique configuration with one-way legs and unusually skewed approaches. This creates confusion for some drivers, especially tourists not familiar with the area. Early in the project initiation stages, methods of improving intersection control at Lakeshore Road and Dominion Road were considered; traffic signal or roundabout. The Niagara Parts Commission was involved in the review of intersection control options. As a result of that collaboration it was determined that a roundabout was the preferred method of improving the safety of this intersection and that option was carried through the detailed design.

### **Relationship to Council Strategic Priorities**

This recommendation relates to the Responsible Growth and Infrastructure Planning strategic priority since the planned upgrades will ensure reliable and effective transportation modes including an inter-connection of various types of transportation.

## Other Pertinent Reports

Not applicable.

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### Prepared by:

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Engineering  
Public Works Department

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### Recommended by:

Bruce Zvaniga, P.Eng.  
Commissioner of Public Works (Interim)  
Public Works Department

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### Submitted by:

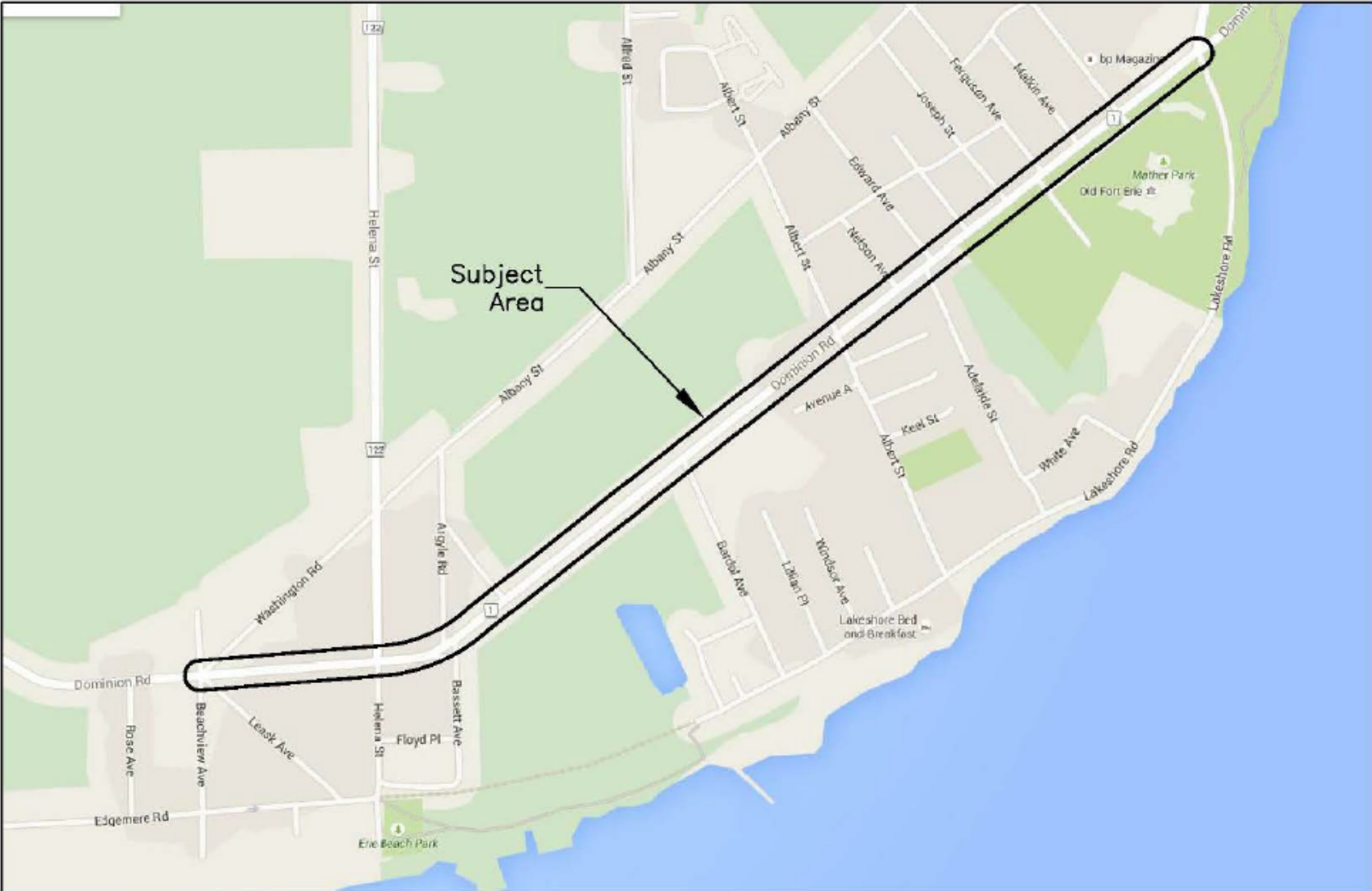
Ron Tripp, P.Eng.  
Chief Administrative Officer



This report was prepared in consultation with Frank Tassone, Associate Director Transportation Engineering, Tracie Byrne, Manager Purchasing Services, Dan Ane Manager, Program Financial Support, Sterling Wood, Legal Counsel and reviewed by Carolyn Ryall, Director Transportation Services.

## Appendices

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|------------|------------------------------|
| Appendix 1 | Key Plan                     |
| Appendix 2 | Summary of Bids Received     |
| Appendix 3 | Total Estimated Project Cost |

Key Plan: Reconstruction of RR1 (Dominion Road) from Lakeshore Road to Beachview Drive in the Town of Fort Erie



	Reconstruction of RR 1 (Dominion Rd.) from Lakeshore Rd to Beachview Dr in the Town of Fort Erie		
	DATE July 2015	SCALE NOT TO SCALE	

**2021-T-70 Reconstruction of Regional Road 1 (Dominion Road) from Beachview Avenue to Lakeshore Road in Fort Erie-Summary of Bids Received**

	<b>Rankin Construction Inc.</b>	<b>Brennan Paving – Niagara, a division of Brennan Paving &amp; Construction Ltd.</b>	<b>Peter's Excavating Inc</b>
<b>Schedule/Specifications</b>	Total	Total	Total
Section 1 - General	\$827,725.00	\$547,716.00	\$578,760.00
Section 1 - General - Contingency	\$500,000.00	\$500,000.00	\$500,000.00
Section 2 - Roads - Washington to Albert	\$1,506,810.00	\$1,910,310.00	\$2,106,240.90
Section 2 - Roads - Albert to Lakeshore	\$2,331,065.00	\$3,186,372.00	\$3,522,608.50
Section 3 - Storm Sewer	\$974,125.00	\$581,288.00	\$534,869.50
Section 4 - Sanitary Sewer	\$5,875.00	\$10,812.50	\$9,950.00
Section 6 - Watermain	\$112,415.00	\$212,691.50	\$195,729.00
Section 7 - Illumination	\$69,065.00	\$70,585.50	\$69,464.35
Section 8 - Roundabout Landscaping	\$60,685.00	\$71,598.50	\$92,759.10
Subtotal Contract Amount:	\$6,387,765.00	\$7,091,374.00	\$7,610,381.35

**PW 57-2021 APPENDIX 3-Total Estimated Project Cost**

**Contract 2021-T-70 Reconstruction of Regional Road 1 (Dominion Road) From Beachview Avenue to Lakeshore Road in the Town of Fort Erie**

<b>Total Estimated Project Cost (10RC1560)*</b>	<b>Council Approved Budget</b>	<b>Budget Increase/ Reallocation</b>	<b>Revised Council Approved Budget</b>	<b>Expended &amp; Committed as of 11/03/21</b>	<b>Forecast</b>	<b>Budget Remaining</b>
Project Element	(A)	(B)	(C) = (A) + (B)	(D)	(E)	(F) = (C)-(D)-(E)
(a) Construction (including Construction Contingency and 1.76% non-refundable HST)**	-	-	-	-	-	-
i. Niagara Region	5,950,000	(107,936)	5,842,064	-	5,842,064	-
ii. Cost Sharing - Niagara Parks Commission	543,921	-	543,921	-	543,921	-
iii. Cost Sharing - Town of Fort Erie	114,204	-	114,204	-	114,204	-
(b) Project Contingency	400,000	250,126	650,126	-	650,126	-
(c) Consulting Engineering Services	-	-	-	-	-	-
i. Niagara Region	325,000	180,000	505,000	500,816	4,184	-
ii. Cost Sharing - Niagara Parks Commission	26,726	-	26,726	-	26,726	-
iii. Cost Sharing - Town of Fort Erie	5,611	-	5,611	-	5,611	-
(d) Contract Administration & Inspection (In-House)	-	-	-	-	-	-
i. Niagara Region	-	150,000	150,000	-	150,000	-
ii. Cost Sharing - Niagara Parks Commission	26,726	-	26,726	-	26,726	-
iii. Cost Sharing - Town of Fort Erie	5,611	-	5,611	-	5,611	-
(e) Project Management (In-House) and Operations	110,000	50,000	160,000	44,248	115,752	-
(f) Property	200,000	(200,000)	-	-	-	-
(g) Utility Relocation	590,000	(422,190)	167,810	66,793	101,017	-
(h) Material Testing	-	100,000	100,000	-	100,000	-
<b>Total Estimated Project Costs (10RC1560)</b>	<b>8,297,800</b>	<b>0</b>	<b>8,297,800</b>	<b>611,857</b>	<b>7,685,943</b>	<b>-</b>

\*All costs include 1.76% non-refundable HST.

\*\* Total Contract Cost includes both Regional and Municipal cost sharing amounts.

\*\* Total Contract Award is equal to i) \$6,387,765 before tax; ii) \$6,500,190 including 1.76% non-refundable HST; \$7,218,174 including 13% HST.