



**Date:** November 27, 2023  
**To:** Mayor and Council  
**Author:** Tim Del Greco, Senior Manager, Capital Projects and Engineering  
**RE:** Road 11 Bridge over Patterson Drain

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## RECOMMENDED ACTION

1. That the Road 11 Bridge over Patterson Drain Tender **BE AWARDED** to Rudak Excavating Inc. in the amount of \$586,900 (excluding HST) and the Mayor and Clerk **BE AUTHORIZED** to execute the requisite agreement.

## BACKGROUND

Biennial inspection of bridges and culverts with a span equal to or exceeding 3.0 meters in length is mandated by the *Public Transportation and Highway Improvement Act*. In 2021, Amtec Engineering completed such inspection within the Town of Kingsville. Following inspection, a report was submitted for each bridge and culvert indicating current condition ratings, recommendations for rehabilitation or replacement, and an estimation of costs for any recommended works.

## DISCUSSION

The Road 11 Bridge over Patterson Drain, built in 1950, is a rigid frame concrete structure. It measures 8.1 meters in length and 5.5 meters in width. A map of the bridge location is attached in Appendix A for your reference. The 2021 inspection report indicates the following deficiencies:

- Delamination and spalling on the abutment walls and deck soffit.
- Leakage and efflorescence in between the deck soffit and abutment.
- Large cracking and rotation of the northeast retaining wall.

Based on the above conditions, the engineer's recommendation is to remove and replace the bridge.

Dillon Consulting was retained in 2022 to begin preparation of the necessary drawings, specifications, and tender documents. The final tender package seeking bridge replacement was advertised to the public on September 29, 2023 and closed on October 13, 2023. The results (excluding HST) of the top three bids are as follows:

<b>Contractor / Vendor Name</b>	<b>Bid</b>
Rudak Excavating Inc.	\$586,900
SheaRock Construction Group Inc.	\$740,000
Nevan Construction Inc.	\$777,000

Rudak Excavating is able to satisfy requirements relating to experience with similar projects, bonding, and insurance while providing the lowest cost proposal. Therefore, the recommendation is to proceed with this vendor.

The contract for this project specifies a start date of July 2, 2024. This start date was chosen to avoid conflicts with school bussing.

### **FINANCIAL CONSIDERATIONS**

The award of \$586,900 (excluding HST) is within the amount budgeted for this project in the 2023 Capital Budget. This funding will be carried over into the 2024 Capital Budget in order to facilitate this project next year.

### **ENVIRONMENTAL CONSIDERATIONS**

Measures will be taken by the contractor during the construction period to ensure debris does not enter the Patterson Drain.

### **CONSULTATIONS**

Dillon Consulting Limited  
Ryan McLeod, Director of Finance and Corporate Services  
Richard Wyma, Director of Planning and Development Services  
Shaun Martinho, Director of Public Operations

PREPARED BY:



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**Senior Manager, Capital Projects and Engineering**