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**Date:** August 17, 2020  
**To:** Mayor and Council  
**Author:** Tim Del Greco, Manager of Municipal Services  
**RE:** 2020 Bridge Program Tender Results  
**Report No.:** MS2020 – 12

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## **AIM**

To award a tender for replacement of the Road 11 Irwin Drain Culvert.

## **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 2019, AUE Structural was procured to facilitate such inspection within the Town of Kingsville. Following inspection, a report was generated for each bridge and culvert indicating current condition ratings, recommendations for rehabilitation or replacement if required, and an estimation of costs for any recommended works.

## **DISCUSSION**

Road 11 Culvert over Irwin Drain is a corrugated steel pipe built in the year 2000 and measures 25.4 meters in length and 3.5 meters in width. A map of the culvert location is attached in Appendix A for your reference. The 2019 bridge inspection report indicates the following deficiencies:

- Medium to severe corrosion
- Cracking
- Separation and fill infiltration
- Deformation

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

Dillon Consulting was retained in 2019 to begin preparation of the necessary drawings, specifications, and tender documents. The final tender package seeking culvert replacement was advertised to the public on July 27<sup>th</sup>, 2020 with a closing date of August 7<sup>th</sup>, 2020. The results (excluding HST) of the top three are as follows:

<b>Contractor/Vendor Name</b>	<b>Bid</b>
D'Amore Construction (2000) Ltd.	\$ 446,773
Nevan Construction Inc.	\$ 469,025
Sterling Ridge Infrastructure Inc.	\$ 482,200

D'Amore Construction 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. Dillon Consulting also conducted a review of the tender results (see Appendix B) and have provided the same endorsement of D'Amore Construction.

### **LINK TO STRATEGIC PLAN**

To become a leader in sustainable infrastructure renewal and development.

### **FINANCIAL CONSIDERATIONS**

\$630,000 is approved in the capital budget for engineering and construction. It is estimated that \$520,000 (excluding HST) will be expensed towards this project should Council award construction.

Essex County is responsible for approximately \$40,000 of the above costs per the latest Drainage Report for the Irwin Drain.

### **CONSULTATIONS**

Kingsville Municipal Services  
Dillon Consulting

### **RECOMMENDATION**

That Council award the Road 11 Irwin Drain Culvert tender to D'Amore Construction (2000) Limited in the amount of \$446,773 (excluding HST) and authorize the Mayor and Clerk to execute the requisite agreement.

*Tim Del Greco*

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Tim Del Greco, P.Eng  
Manager of Municipal Services

*G. A. Plancke*

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G.A. Plancke, Civil Eng. Tech (Env.)  
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