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**Date:** July 25, 2018

**To:** Mayor and Council

**Author:** Tim Del Greco, Manager of Municipal Services

**RE:** Road 10 Bridge over Patterson Drain

**Report No.:** MS 2018 - 30

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#### **AIM**

To award replacement of the Road 10 bridge over Patterson Drain.

#### **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 2017, Keystone Bridge Management Corporation 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 10 bridge over Patterson Drain is a solid slab bridge built in 1918 and measures 3.9 meters in length and 7.4 meters in width. The 2017 bridge inspection report as attached in Appendix A indicates the following deficiencies:

- Moderate disintegration of deck surface
- Concrete scaling and spalling throughout
- No railing or barrier (curb) present
- Cracking in west wall
- Width of bridge not adequate for the travelled road

As a result, the recommendation of the engineer at the time of inspection is full bridge replacement within two years.

N.J. Peralta Engineering was retained in 2017 to begin preparation of the necessary drawings, specifications, and tender documents. The final tender package seeking bridge replacement was advertised to the public in early July of 2018 with a closing date of July 20<sup>th</sup>. The results (excluding HST) are as follows:

<b>Contractor/Vendor Name</b>	<b>Bid</b>
SLR Contracting Group Inc.	\$ 223,700.00
Southshore Contracting Inc.	\$ 248,775.00
Sherway Contracting (Windsor) Limited	\$ 259,640.00
D'Amore Construction (2000) Ltd	\$ 259,650.00

SLR Contracting Group was 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. Peralta Engineering also conducted a review of the tender results (Appendix B) and have provided the same endorsement of SLR Contracting Group.

Attached in Appendix C of this report is a copy of an agreement to be executed between the Town and SLR Contracting Group pending Council approval.

### **LINK TO STRATEGIC PLAN**

To promote a safe community.

To become a leader in sustainable infrastructure renewal and development.

### **FINANCIAL CONSIDERATIONS**

\$387,200 is allocated in the 2018 Municipal Budget with respect to this project. Upon approval of this report, \$223,700 will be utilized towards the procurement of construction services through SLR Contracting Group. A total of \$21,598 has been expensed in 2018 with respect to engineering.

### **CONSULTATIONS**

N.J. Peralta Engineering

SLR Contracting Group Inc.

Kingsville Municipal Services Department

E.R.C.A.

### **RECOMMENDATION**

That Council direct the Mayor and Clerk to execute the attached agreement with SLR Contracting Group, for the replacement of the Road 10 Bridge over the Patterson Drain.

*Tim Del Greco*

Tim Del Greco, P.Eng

Manager of Facilities and Properties

*G. A. Plancke*

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

Director of Municipal Services

*Peggy Van Mierlo-West*

Peggy Van Mierlo-West, C.E.T.

Chief Administrative Officer