



Administrative Report

Office of the Director of Infrastructure Services

To: Warden Tom Bain and Members of County Council

**From: Tom Bateman, P.Eng.
Director of Infrastructure Services/County Engineer**

Date: August 15, 2018

Subject: Tender Summary – 2018 Structure Rehabilitations (7)

Report #: 2018-0815-IS-R021-TRB

Purpose

The purpose of this report is to provide County Council information and recommendations pertaining to tender results for an unplanned culvert replacement project to be undertaken as part of the 2018 Rehabilitation Program.

Background

The County inspects its culvert inventory through a comprehensive Culvert Inspection Program. The frequency of inspection varies dependent upon the size category of the structure. The program includes Structure C-23-087 located on County Road 23 at the Ninth Concession Road Drain. The corrugated steel pipe culvert was constructed in 1968 and has provided uninterrupted service to County Road 23 which is a designated haul route to the Regional Landfill.

The following photographs (Appendix 1) obtained during the comprehensive inspections conducted in 2010 and 2015 show normal deterioration with minor surface rust. The culvert was deemed to be in fair condition.

Earlier in 2018 a shoulder surface failure was detected during routine road patrols and temporary repairs were made immediately utilizing large steel plates to stabilize the shoulder and adjacent pavement. An inspection was

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conducted to determine the cause the failure. A significant deformation in the steel pipe was noted at the base and the failure continued below the water line. The corrugated steel pipe has reached the end of its service life and requires immediate replacement.

Utilizing a fast track schedule, Stantec Consulting was engaged to prepare plans and specifications to upgrade the existing structure with a precast concrete box culvert. The Essex Windsor Solid Waste Authority was consulted to implement an alternate designated haul route to the Regional Landfill to support the required full road closure of an anticipated 4 week duration.

The works are intended to occur during the fall of 2018.

County Road	Water Course	Anticipated Road Closure
23	Ninth Concession Road Drain	4 weeks

The site location of the project is shown on the attached map. (Appendix 2)

Discussion

The tender process utilized electronic bidding. The electronic submissions were evaluated for compliance with specifications and mathematical accuracy. The submissions were complete with no discrepancies identified.

The following is a summary of the tenders received.

All amounts do not include H.S.T.

County Road 23 – Culvert over Ninth Concession Road Drain

Engineer's Estimate	\$550,000.00
D'Amore Construction (2000) Ltd.	\$488,370.00
SLR Contracting Group Inc.	\$492,717.00
South Shore Contracting Inc.	\$494,195.00
Shea Rock Construction Group Inc.	\$594,550.00
Facca Inc.	\$793,350.00

Financial Implications

As noted earlier in the report this culvert replacement project was not budgeted to be undertaken in 2018.

A review of the current expenditure levels in the 2018 Rehabilitation Program and the Year End Forecasting exercise has established a value of a projected surplus that can accommodate this unbudgeted expenditure.

The project as outlined will be added to the 2018 Rehabilitation Program and funded from the projected surplus.

Recommendation

There were no errors in the tender submissions.

Given County Council's lame duck status leading up to the next municipal election in October, County Council through Bylaw 30-2018 has delegated approval authority to the Chief Administrative Officer for unbudgeted expenditure exceeding \$50,000.00.

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Accordingly, Administration is advising that the Chief Administrative Officer intends to exercise the delegated authority provided by By-law #30-2018 to proceed with the emergency replacement of the County Road 23 culvert over the Ninth Concession Road Drain - Project Number-716-2018 and award the project to the low tender submission from D'Amore Construction (2000) Ltd. for a total tender amount of \$488,370.00, plus HST.

It is recommended that County Council receive Report #2018-0815-IS-R021-TRB – Tender Summary – 2018 Structure Rehabilitations (7) for information.

Respectfully Submitted

Tom Bateman

Originally Signed by

Tom Bateman P.Eng., Director of Infrastructure Services/County Engineer

Concurred With,

Robert Maisonville

Originally Signed by

Robert Maisonville, Chief Administrative Officer

Appendix No.	Title of Appendix
1	Report Photographs
2	Report Location Map