



Administrative Report

Office of the Director of Infrastructure Services

To: Warden McNamara and Members of Essex County Council

From: Jane Mustac, P. Eng.
Director of Infrastructure Services/County Engineer

Date: Wednesday, April 21, 2021

Subject: Tender Summary – Culvert on County Road 42 – 4th Concession Drain (C-42-113)

Report #: 2021-0421-ISD-R015-JM

Purpose

The purpose of this report is to provide County Council information and recommendations pertaining to tender results for a culvert rehabilitation project to be undertaken as part of the 2021 Rehabilitation Program.

Background

The 2021 rehabilitation program includes the complete replacement of the culvert on County Road 42 at 4th Concession Drain. The culvert is located approximately 1.4 km east of County Road 25 in the Municipality of Lakeshore. Work includes the removal of the existing concrete rigid frame culvert, concrete head walls/retaining walls and footings and replacement with a new precast concrete rigid frame structure.

The works are intended to occur in August 2021 with an anticipated road closure of 4 weeks. The site location and detour route of the project are shown on the attached map (Appendix 1)

Discussion

The tender process utilized electronic bidding and received four (4) submissions

The following is a summary of the tenders received. All amounts do not include H.S.T.

County Road 42 – Culvert over 4th Concession Drain

Engineer's Estimate	\$550,000.00
Matassa Incorporated	\$591,775.02
Sterling Ridge Infrastructure Inc.	\$660,598.00
South Shore Contracting of Essex County Inc.	\$673,740.00
J & J Lepera Infrastructures Inc.	\$691,800.00

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

Often the majority of the engineer's cost estimate are accurate, however unforeseen elements such as material shortages, existing contractor workload, expected prices of raw materials, and prior experience on similar projects have the potential to increase or decrease the total cost. These and other variables have the ability to impact the design engineer's cost estimate, especially when it is completed before any known variances are apparent.

The department has experienced cost savings in previous tenders that may have be contributed to the successful Early Release Program adopted by Council in 2006. The favorable tendering on early projects supports a negligible impact to the overall 2021 rehabilitation budget.

Financial Implications

The 2021 Rehabilitation Program includes sufficient funds to replace the concrete box culvert on County Road 42 at 4th Concession Drain.

Recommendation

That Essex County Council award the tender for Project Number 119-2021 County Road 42 Culvert over 4th Concession Drain to Matassa Incorporated for a total tender amount of \$591,775.02 plus H.S.T.

Respectfully Submitted

Jane Mustac

Jane Mustac, P.Eng, Director of Infrastructure Services/County Engineer

Concurred With,

Mike Galloway

Mike Galloway, Chief Administrative Officer

Appendix Number	Title
1	Report Location and Detour Map