



Administrative Report

Office of the Manager, Design and Construction

To: Warden MacDonald and Members of Essex County Council

From: Karyn Templin, P.Eng.
Manager, Design and Construction

Date: Wednesday, September 20, 2023

Subject: Tender Summary – Culvert Rehabilitation on County Road 50 at Tom Wright Drain (RC-50-135)

Report #: 2023-0920-IPS-R31-KT

Purpose

The purpose of this report is to provide County Council with information and recommendations pertaining to tender results for culvert rehabilitation work to be undertaken as part of the 2023 Rehabilitation Program.

Background

The approved 2023 Rehabilitation Program includes the rehabilitation of the Tom Wright Drain Culvert, located on County Road 50 in the Town of Essex, and identified as RC-50-135.

The scope of work for this project includes a complete replacement of the existing CSP culvert with a cast-in-place concrete box structure, temporary re-routing of watermain, installation of precast block wingwalls and replacement of the asphalt wearing surface.

A location map of the subject culvert project is attached in Appendix 1.

A full road closure of County Road 50 is required to complete the proposed works safely and efficiently. The closure is anticipated to be approximately 30 working days (6 weeks), depending on weather and field conditions. A full road detour will be implemented for the duration of the closure.

Discussion

Different from the County's typical practice to date, the construction period for this project was extended into 2024. Contractors were presented with

the option of completing the required works any time up to and including October 2024. This approach is becoming more common throughout the industry and has been adopted as standard practice for some of the County’s neighbouring municipalities. While the County did not see an increase in the typical number of tender submissions, the extension of the construction deadline into 2024 did yield an influx in plan takers.

The County received a total of two (2) tender submissions for this project. The tender results can be found in Table 1.

Table 1: Tender Results

VENDOR	SUBMITTED VALUE (excluding HST)
Front Construction Industries Inc.	\$1,254,600
Sterling Ridge Infrastructure Inc.	\$1,959,892

The e-tenders were reviewed for compliance and mathematical accuracy by the County’s Procurement Department.

It is the opinion of this Administration that these tender submissions represent an appropriate understanding of the scope of work as tendered, and reasonably reflect industry costs at this time. Front Construction Industries Inc. is the low bidder for this project and available to begin construction early in 2024.

This structure was affected by the recent storms that swept through the Essex County area. Administration is working with the Consultant to identify any temporary efforts that might be required to ensure the stability of the structure until such time as construction can begin. Environmental restrictions limit the window of time in which work can be done in a drain, however, cooperative efforts with regulatory environmental agencies are also underway in order to consider options that allow for early construction. In addition, Administration is reviewing the schedule and exploring opportunities to complete the replacement in such a way to maintain the asphalt surface as long as possible leading up to the replacement. To ensure the safety of the public and position the County to efficiently move forward with rehabilitation efforts at the soonest available opportunity, it is our recommendation that Council award the subject contract.

Financial Implications

The 2023 Budget included \$1,105,000 for this project. The low tender submission for this project exceeds the Engineer’s Estimate (please refer to Table 2). The project budget, as well as the estimated surplus in the 2023 State of Good Repair Program, are recommended to be transferred to the Capital Reserve and used to offset the full cost of this project in 2024.

Table 2: Financial Breakdown

ITEM	AMOUNT (including Net HST)
Contract Price	\$1,276,681
Misc. Expenditures (inspection, quality control, etc.)	\$105,000
Project Total	\$1,381,681

Consultations

Preparation of the subject tender documents was completed by Stantec Consulting, in consultation with the Offices of Infrastructure & Planning Services, Procurement, Finance and Legal.

Recommendation

That Essex County Council receive report 2023-0920-IPS-R31-KT, Culvert Rehabilitation on County Road 50 at Tom Wright Drain (RC-50-135) and award the contract to Front Construction Industries Inc. for a total tender amount of \$1,254,600 (plus applicable taxes) and further;

That Essex County Council approve the transfer of the total project cost of \$1,381,681 to the Corporation’s Capital Reserve for use in 2024.

Approvals

Respectfully Submitted,

Karyn Templin

Karyn Templin, P. Eng., Manager, Design and Construction

Concurred With,

Allan Botham

Allan Botham, P.Eng., Director, Infrastructure and Planning Services

Concurred With,

Sandra Zwiers

Sandra Zwiers, MAcc, CPA, CA, Chief Administrative Officer

Appendix	Title
1	Project Location Map