



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, March 17, 2021

Subject: Tender Summary – Concrete Pavement

Report #: 2021-0317-ISD-R007-JM

Purpose

The purpose of the report is to provide County Council information and recommendations pertaining to tender results for pavement repair on County Road 22.

Background

In 2009 the capacity expansion of County Road 22 from County Road 21 to Commercial Boulevard included a short section of asphalt pavement in the eastbound lanes. The asphalt was selected as a temporary solution instead of concrete in anticipation of a future construction of a grade separation at the CR 19/22 intersection.

The Infrastructure Services Department continuously monitors and investigates the condition of the road network. Environment and traffic loading are the primary cause of pavement distress and recent monitoring identified a section of roadway, the eastbound asphalt lanes of County Road 22 in the vicinity of Commercial Boulevard have exhibited rutting and ponding water associated with the asphalt ruts. This also results in ice formation which is a severe safety issue at the signalized intersection.

Discussion

Applying a proper maintenance treatment at the right time has proven to extend the service life. Serviceability and reliability are key factors in ensuring the Essex County road network is safe and comfortable for the public. The primary advantages of a composite or rigid pavement structure over flexible pavement structure are the abilities of the rigid concrete slab to resist deformation that may be caused by excessive loading imposed by heavily travelled routes. This will also support a consistent pavement treatment on the County Road 22 corridor from County Road 25 to Commercial Boulevard.

The proposed works are expected to take six (6) weeks and one lane will remain open in each direction of County Road 22 at all times. The works were advertised through the County of Essex eTender system and results of the Tenders are as follows:

Concrete Pavement – County Road 22 & Commercial Boulevard

Vendor	Submitted Value
Engineer's Estimate	\$900,000
Piera Con Enterprises Inc.	\$654,785.00
Coco Paving Inc.	\$668,000.00
Amico Infrastructures Inc.	\$915,750.00
Neptune Security Systems Inc.	\$1,893,000.00

Note: Exclusive of taxes

The submissions were reviewed for adherence to specifications and mathematical accuracy. The low bid submission met the criteria.

Financial Implications

The lowest tender aligns with the Engineer's estimate and funds are allocated in the approved 2021 budget.

Recommendation

That Essex County Council award the tender as follows:

Project Number 176-2021 Concrete Pavement on County Road 22 to Piera Con Enterprises Inc. for a total tender amount of \$654,785.00 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 Map