



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, May 17, 2023

Subject: Tender Summary – 2023 Rehabilitation Program – Hot Mix Overlay and Mill and Pave

Report #: 2023-0517-IPS-R14-KT

Purpose

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

Background

Upon approval of the 2023 Rehabilitation Program, tenders were published for the annual Hot Mix Overlay and Mill and Pave component.

The scope of this work includes both mill and pave operations, which involves the removal of the top layer of deteriorated pavement and placement with a new surface layer of hot mix asphalt, and hot mix overlay operations, which involves the direct overlay of a new surface layer of hot mix asphalt on the existing pavement structure.

Integral, planned projects under the County Wide Active Transportation (CWATS) budget, such as paved shoulders, were included in the subject contract. Under this approach road rehabilitation and shoulder construction will occur simultaneously which, in turn, will yield the maximum benefit in both costing and pavement rideability. CWATS paved shoulder opportunities that fell in line with the County's rehabilitation program for 2023 include County Road 3 and County Road 31.

The full Hot Mix Overlay and Mill and Pave program, with integrated paved shoulders, is presented in Table 1.

Table 1: 2023 Rehabilitation Program – Hot Mix Overlay and Mill and Pave

Project Number	Road Segment	Location Description	Length (km)	Paved Shoulder (km)
225 & 907	County Road 3	County Road 20 to County Road 8	1.6	1.6
227	County Road 35	Lakeshore Road 305 to Highway 401	1.2	1.2
228	County Road 37	County Road 14 to Mersea Road 7	2.8	2.8
230 & 909	County Road 31	County Road 2 to County Road 42	2.7	2.1

In support of regional cooperation, these contract documents include provisional items for the pavement rehabilitation of Wright Road and Arthur Street South in the Town of Essex. Subject to approval by Essex Town Council, this provisional work, in the amount of \$235,090 (plus applicable taxes), will be completed as part of these contract works and paid for in full by the Town of Essex.

Discussion

A summary of the tenders received is presented in Table 2. All amounts do not include HST.

Table 2: Tender Results

Hot Mix Overlay and Mill and Pave	
VENDOR	SUBMITTED VALUE
Mill-Am Corporation	\$2,574,665
GIP Paving Inc.	\$2,718,335

The 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. Mill-Am Corporation is the low bidder for this tender.

Financial Implications

The tender results are aligned with the estimate prepared by this Administration however, as can be seen in Table 3, they fall slightly above the proposed budget for the Hot Mix Overlay and Mill and Pave Contract. Considering the road component of the 2023 Rehabilitation Program as a whole, the collective costs to complete all of the planned asphalt paving work still hold a favourable variance of approximately \$350,000.

All amounts in Table 3 include Net HST.

Table 3: Hot Mix Overlay and Mill and Pave – Financial Breakdown

ITEM	AMOUNT (Incl. Net HST)
Contract Price	\$1,658,928
Misc. Expenditures (Material Testing, Line Painting, Restoration, etc.)	\$30,000
Anticipated Asphalt Escalation	\$150,000
Sub Total:	\$1,838,928
2023 Budget for Hot Mix Overlay and Mill and Pave	\$1,750,000
Variance:	(\$88,928)

Incorporated in this Hot Mix Overlay and Mill and Pave tender is the CWATS Paved Shoulder work. As discussed earlier within this report, aligning the active transportation facilities identified in the CWATS Master Plan with the Road Rehabilitation Program, where possible, has proven to be advantageous to both the County of Essex and the lower tier municipalities. A financial breakdown of the costs associated with the CWATS paved shoulder program is presented in Table 4. All amounts shown include Net HST.

Table 4: CWATS Paved Shoulder Program – Financial Breakdown

ITEM	AMOUNT (Incl. Net HST)
Contract Price	\$721,823
Lower Tier Contributions	\$288,998
County Contribution:	\$432,825
2023 Budget for CWATS Paved Shoulders (Hot Mix Overlay and Mill and Pave)	\$740,000
Favourable Variance:	\$307,175

Consultations

Preparation of the subject tender was completed in consultation with the Office of Procurement and Compliance and Financial Services.

Recommendation

That Essex County Council receive report 2023-0517-IPS-R14-KT, Tender Summary – 2023 Rehabilitation Program – Hot Mix Overlay and Mill and Pave;

And that Essex County Council award the contract for Hot Mix Overlay and Mill and Pave to Mill-Am Corporation in the amount of \$2,574,665 (plus applicable taxes).

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,

Mary Birch

Mary Birch, Interim Chief Administrative Officer

Appendix Number	Title
A	Project Location Map