



11/20/2024 9:37 AM

AASHTOWare Project™ Version 5.00.01 Revision 032

### Daily Work Report

Report v1

**Contract:** 58052-208701 - Hot mix asphalt cold milling and single course overlay, traffic signal detector replacement and pavement markings.

**Prime Contractor:** Gerken Paving, Inc.

**DWR Date:** 09/04/2024 **Day of Week:** Wednesday

**Entered By:** Zachary Thelen

**Project Engineer:**

**Seq Num:** 1 **DWR Status:** Approved

**Last Updt By:** Zachary Thelen

**Construction Engineer:** James Daavettila

**Last Updated Date:** 09/25/2024

**Low Temp:** 56

**Administrative Office:** Brighton MDOT

**Weather:** Sunny

**High Temp:** 74

**Managing Office:** None Selected

**Fed. Proj. Num:** N/A

**Rainfall Amount:** 0 inches

**SECIR Indicator:** No

### Remarks

Type	Remarks
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**DWRComment****Contractors:**

Contractor 1: Gerken Paving, Inc. (7:00 AM - 6:30 PM)

Contractor 2: Roadway Services Inc (6:30 AM - 7:30 PM)

**Operations:**

Contractor 1: Gerken Milling / Prep Crew: Onsite performing the milling and sweeping of the pavement operations today on SB US-24 starting at station 515+25 and working up station towards the POE from where previously left off on 8/26. Milling 1.5" depth across, carrying the same cross slope of the lane thru the shoulder, as will be paving back. Two broom tractors worked to sweep the excess material left behind the mill into wind rows onto the next pass to be made by the mill. Once the milled surface was clean of debris and dry, a tack truck applied bond coat to the surface to be paved over. The tack was applied to the vertical face of the 1.5" milled edge of the adjacent pavement of SB lanes as well as any driveway or curb areas. Operations continued throughout the workday. The mill at the end created stopped at station 564+30 as this will be the end as was previously marked out short of intersection so the new POE. Mini mill created butt joints at each end of the paving today. Once finished milling mainline dropped back to WB Stein Approach and milled in preparation of paving this once mainline completed to knock out on of the approaches. Milling back to change in pavement limits marked by Chad and Myself.

Contractor 1: Gerken Paving Crew: onsite to pave the SB Lane and the T3 shoulder together today on US-24. Paver started at the previously left off station. along SB US-24 at Sta. 515+25. The first load of HMA arrived to the site at 10:45 AM. Paving operations began shortly after. Crew paving to the North towards the POE. Crew planning to pave from 515+25 to 564+30 today as this is where is milled to marked by Chad from the previously painted out end location. Paving 1.5" of 5EML today. Paving straight thru with no wingouts at driveways, only at approach areas of side streets that will be finished later. Paving started about 10:45AM this morning and paving continued to approximately 4:25 PM along mainline today. Rollers continued to compact the new mat after paving concluded. Once finished with mainline dropped back and paved the WB Stein Approach, load ticket #24 and #25 paved as approach today. Start paving approach around 4:45 PM and finish around 5:35 PM. Finish rolling about 6:30PM at the approach.

Bryan Cavasin walked with the paver and shot temperatures and calculated yields. Temperatures ranged from the lowest temp shot at 274 degrees Fahrenheit to the highest shot taken at 319 degrees Fahrenheit.

Yields were periodically taken on various loads.  
The total daily average yield is computed as follows:  
5EML Mainline Tonnage = 800.13 tons  
App 5EML Tonnage = 80.94 tons  
Combined Tonnage = 881.07 tons  
5EML Mainline Milling = 8980.14 syds  
App 5EML Milling = 738.18 syds  
Combined cold milling syds = 9718.32 syds



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Combined Average Daily Yield -  $881.07 \text{ ton} \times 2000 = 1,763,140 \text{ lbs} / 9,718.32 \text{ syds} = 181.32 \text{ lbs per syd}$

A total of 1146 gals of tack was applied to the milled surface today. The bond coat plan application rate is 0.05-0.15 gals per syd. The actual application rate is computed as follows:

$1146 \text{ gals} / 9,718.32 \text{ cold milling syds} = 0.118 \text{ gals/syd}$ .

Contractor 2: Roadway Services, had 2 laborers on site setting up the closure today. Setup the lead in signing for the closure and set arrow boards and pulled channelizing devices for the lane closure. Crew placed tape after rolling operations. Once done working pulled closure and dropped signs for the lead ins.

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**DWRComment****Remarks:**

Bryan Cavasin of Spicer Group is onsite walking with paver and collecting tickets.  
Trucks arrived on time without any delays. There were no flow boy delivery issues to report.

One total sample was taken today as follows:

5EML STA 4 sample taken at Sta. 554+00 (SB US24) at 586.40 tons today.

QA & Dispute samples were taken to the University Region Lab at the end of the workday w/ cores.

Soil Erosion/Sediment Control:

No sediment known to be leaving the site. No issues to report.

Traffic Control:

Daily Lane Closure setup utilizing Work Zone Traffic Control Typical 110-TR-NFW-2 , "LANE CLOSURE UTILIZING TRAFFIC REGULATORS ON A 2-LANE UNDIVIDED ROADWAY"

On SB US24 Lanes today from POB to POE. Flaggers controlled the flow of traffic today utilizing walkie talkies to communicate the direction of traffic. No excessively long waits observed during flagging sequence, traffic flowed thru work zone, no accidents witnessed today.

Incidents:

No incidents to report.

Visitors:

Marathon Pipeline, personnel stopped back on 8/26 and asked to not vibrate over their gas mains crossing roughly at 516+00 across roadway. Discussion with Chad about this and painting marks 50' either side of gas main as marked by pipeline personnel based on their markers, and creating a no vibrate zone, will not place cores in this 100' area.

Pay Items:

HMA, 5EML

Cold Milling HMA Surface

HMA Approach

Materials:

HMA, 5EML

Emulsified Asphalt

Attachments & Supporting Documents:

Calc 2024-09-04 ZT HMA Milling Area



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HMA Tickets 2024-09-04 Tack Ticket 2024-09-04 0564 2024-09-04 ZT
Extras/Overrun: None

Contract Times

Contract Time	Contract Time Description	Time Charged	Controlling Operation	Delay Reason	Contractor Working	Hours Worked	Hours Available	Work Start Time	Work Stop Time
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Contractor Personnel

Contractor Name	Personnel	Count	Total Hours
Gerken Paving, Inc.	Equipment Operator <b>Comments:</b> Paving	4	
Gerken Paving, Inc.	Equipment Operator <b>Comments:</b> Milling	2	
Gerken Paving, Inc.	Flag Person <b>Comments:</b> 4 Job Squad 1 Gerken	5	
Gerken Paving, Inc.	Foreman <b>Comments:</b> Jason Brinckman (Milling)	1	
Gerken Paving, Inc.	Foreman <b>Comments:</b> Josh Bush (Paving)	1	
Gerken Paving, Inc.	Laborer <b>Comments:</b> Paving	3	
Gerken Paving, Inc.	Laborer <b>Comments:</b> Milling	1	
Gerken Paving, Inc.	Superintendent <b>Comments:</b> Chad Windom	1	



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Roadway Services, Inc.                      Laborer    2  
**Comments:** Work Zone

**Contractor Equipment**

Contractor Name	Equipment Description	Equipment ID	Number On Site	Number Used	Hours Used	Hours Idle
Gerken Paving, Inc.	Backhoe <b>Comments:</b> 542 Case 570N EP w/ broom 513 Case 570N XT w/ broom	Equipment	2	2		
Gerken Paving, Inc.	Double Drum Roller <b>Comments:</b> 220 CAT CB54xw Breakdown 265 HAMM HD120 Intermediate 281 HAMM HD+120i Finish	Equipment	3	3		
Gerken Paving, Inc.	HMA Paver <b>Comments:</b> 103 Roadtec RP190e 103b Roadtec RP175	Equipment	1	1		
Gerken Paving, Inc.	Milling Machine <b>Comments:</b> 508 Wirtgen 200i Mill	Equipment	1	1		
Gerken Paving, Inc.	Semi Truck <b>Comments:</b> 877 Kenworth Semi and Lowboy	Equipment	1	1		
Gerken Paving, Inc.	Skid Steer <b>Comments:</b> 325 CAT 246D3 Skid w/ Mill	Equipment	1	1		
Gerken Paving, Inc.	Tack Truck <b>Comments:</b> 52 FL80 Tack Truck	Equipment	1	1		
Gerken Paving, Inc.	Water Truck <b>Comments:</b> 885 International Water Truck International 9400 Water Truck	Equipment	2	2		
Gerken Paving, Inc.	Work Truck <b>Comments:</b> Chevy 2500HD Work Truck	Equipment	4	4		



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Gerken Paving, Inc.	Work Truck	Equipment	2	2
	<b>Comments:</b> QC Chevy 1500 Work Truck			
Roadway Services, Inc.	Work Truck	Equipment	2	2
	<b>Comments:</b> Chevy 2500 HD Work Truck			

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Item Postings

Item Descr/Suppl Descr	Item ID	Seq Num	Cont Ln Num	Project	Category	Proj Ln Num	Quantity Posted	Unit	From Station - To Station Location	VI'ed and Accpeted
Cold Milling HMA Surface	5010002	3	0030	208701A	0001	0030	9,718.320	Syd	Sta 515+25 - Sta 564+30 SB US-24 Lane and shoulder WB Stein Approach	Measured

Material(s):

Contractor: Gerken Paving, Inc.

Comments: See Calc 2024-09-04 HMA Cold Milling





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HMA Approach	5010061	1	0060	208701A	0001	0055	80.940 Ton	WB Stein Approach to US 24	Measured
<b>Material(s):</b> 1080 - Emulsified Asphalt							100.000 Gal		<input checked="" type="checkbox"/>
<b>Material Source:</b> AsphaltMaterialsInc									
<b>Comments:</b> Asphalt Materials, Oregon, OH Ticket # OH-493620 Date: 8-30-2024 Material: LTBC-2 See Tack Ticket 2024-09-04									
5850 - HMA, 5EML							80.940 Ton		<input checked="" type="checkbox"/>
<b>Material Source:</b> CadillacAspBell									
<b>Comments:</b> Cadillac Asphalt Rawsonville Plant Belleville, MI See "HMA Tickets 2024-09-04"									
<b>Contractor:</b> Gerken Paving, Inc.									
<b>Comments:</b> See HMA Tickets 2024-09-04 See Tack Ticket 2024-09-04									



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HMA, 5EML 5012037 3 0065 208701A 0001 0060 800.130 Ton Sta 515+25 - Sta 564+30 SB US24 Lane and shoulder Calculated

**Material(s):** 5850 - HMA, 5EML

800.130 Ton



**Material Source:** CadillacAspBell

**Comments:** Cadillac Asphalt  
Rawsonville Plant  
Belleville, MI  
See "HMA Tickets 2024-09-04"

1080 - Emulsified Asphalt

1,046.000 Gal



**Material Source:** AsphaltMaterialsInc

**Comments:** Asphalt Materials, Oregon, OH  
Ticket # OH-493620  
Date: 8-30-2024  
Material: LTBC-2  
See Tack Ticket 2024-09-04

**Contractor:** Gerken Paving, Inc.

**Comments:** See HMA Tickets 2024-09-04  
See Tack Ticket 2024-09-04

Attachments

File Name	Description	File Size (kb)
<a href="#">Calc 2024-09-04 ZT HMA Milling Area.pdf</a>		64
<a href="#">Daily Work Report.pdf</a>	Generated by Daily Work Report on 09/25/2024 10:33:22	40



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**Approvals**

Date/Time Approved	Name	Title	Organization
9/14/2024 1:23 PM	Mohammed Azam	Office Tech	Spicer

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