




Illinois Department of Transportation

Memorandum

To: Dave Alexander Attn: Darcy Mitchell
From: Chris McLachlan By: Chad Nelson 
Subject: Milling/Resurfacing Recommendation *
Date: May 19, 2025

* Route: FAP 587 (US 34)
Section: (19,20)RS-5
LaSalle County
D3 No.: 3583
Contract No. 66P67

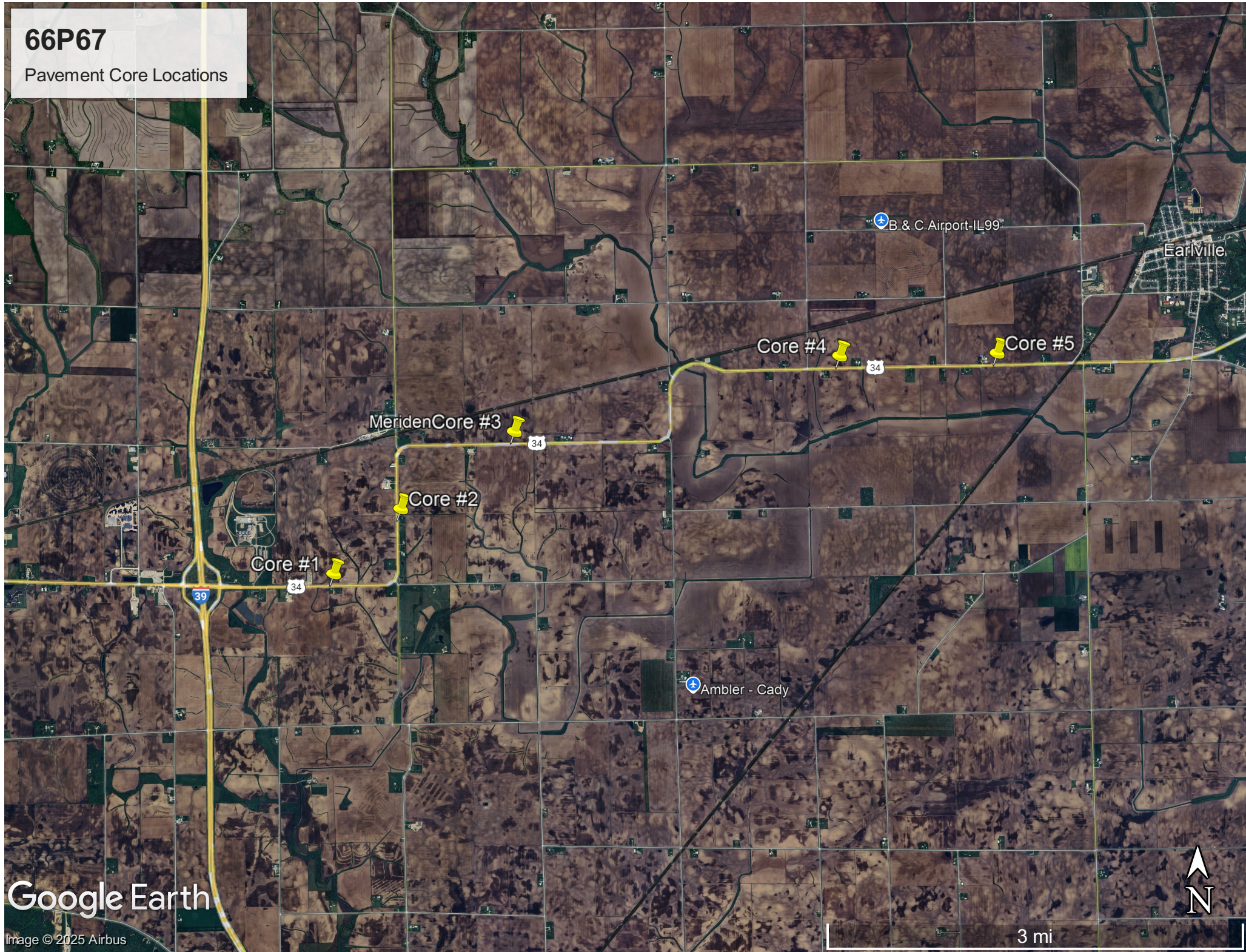
Pavement cores were obtained for the subject route and visually inspected. Based on the condition of the cores and measured lift thicknesses, Materials concurs with a Designed Overlay and recommends the following:

1. Mill 3.75" deep
2. Place 2.25" HMA Binder Course, IL 19.0, N50
3. Place 1.50" HMA Surface Course, IL 9.5, Mix C, N50

If there are any questions, please contact Chad Nelson at (815) 739-0853.

66P67

Pavement Core Locations



Google Earth

Image © 2025 Airbus

3 mi



Core #	1	Route:	US 34	Core Date:	5/15/2025	Logged By:	Chad Nelson
Station:	N/A	Latitude:	41.55426000		Longitude:	-89.04313000	
Offset:	Center of lane			Direction:	EB	Lane:	Driving Lane
Comments:	0.3 miles east of HMA/PCC joint at I-39. PCC rubble.						



Lift	Thickness	Material	Condition	Pavement Cracks	Aggregate Cracks	Voids	Comments
1	1.625"	HMA Surface	Fair	None	Some	Some	
2	1.50"	HMA Surface	Poor	None	Some	Many	
3	1.625"	HMA Surface	Poor	None	Some	Many	
4	1.50"	HMA Surface	Fair	None	Some	None	
5	1.25"	HMA Surface	Fair	None	Some	None	
6	1.25"	HMA Surface	Poor	None	Some	Many	
7	2.00"	HMA Binder	Fair	None	Some	None	
8	1.00"	HMA Surface	Fair	None	None	None	
9	1.00"	HMA Surface	Fair	None	None	None	
10	1.375"	HMA Surface	Fair	None	None	None	
11	1.25"	HMA Surface	Fair	None	None	None	
12	1.25"	HMA Binder	Poor	None	Some	Some	

Core #	2	Route:	US 34	Core Date:	5/15/2025	Logged By:	Chad Nelson
Station:	N/A	Latitude:	41.56106000		Longitude:	-89.03380000	
Offset:	Center of lane			Direction:	WB	Lane:	Driving Lane
Comments:	1.2 miles east of HMA/PCC joint at I-39. PCC rubble.						



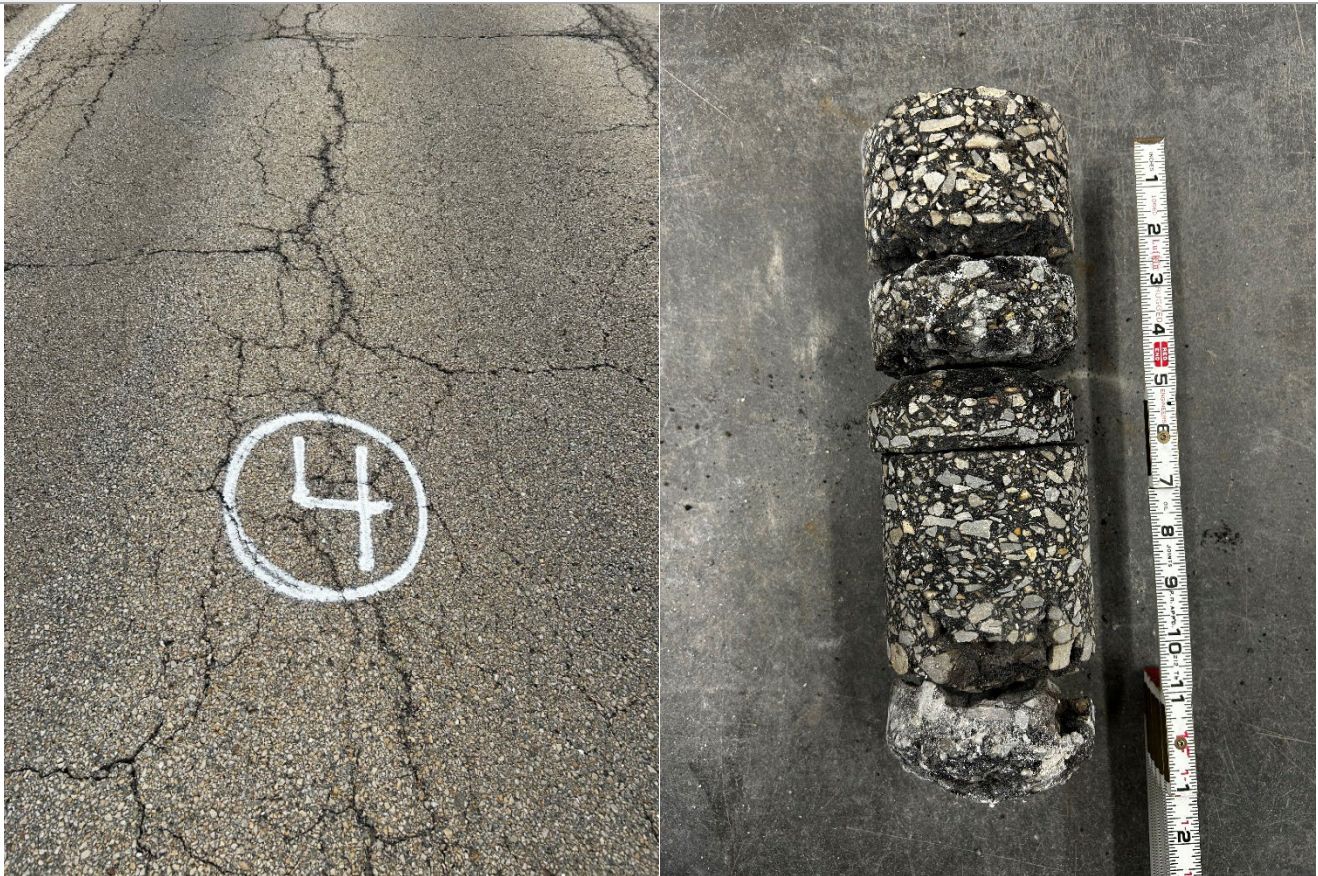
Lift	Thickness	Material	Condition	Pavement Cracks	Aggregate Cracks	Voids	Comments
1	1.125"	HMA Surface	Fair	None	Some	None	
2	0.625"	HMA Surface	Poor	None	Many	Many	
3	1.75"	HMA Surface	Poor	None	Some	Many	
4	0.75"	HMA Surface	Poor	None	Some	Some	
5	1.50"	HMA Surface	Fair	None	Some	Some	
6	1.25"	HMA Surface	Fair	None	None	None	
7	2.125"	HMA Binder	Fair	None	Some	Some	
8	1.50"	HMA Binder	Fair	None	None	None	
9	1.625"	HMA Binder	Poor	None	Many	Some	

Core #	3	Route:	US 34	Core Date:	5/15/2025	Logged By:	Chad Nelson
Station:	N/A	Latitude:	41.56915000		Longitude:	-89.01795000	
Offset:	Center of lane			Direction:	EB	Lane:	Driving Lane
Comments:	2.5 miles east of HMA/PCC joint at I-39. PCC rubble.						



Lift	Thickness	Material	Condition	Pavement Cracks	Aggregate Cracks	Voids	Comments
1	1.25"	HMA Surface	Fair	None	Some	Some	
2	0.75"	HMA Surface	Poor	None	Some	Many	
3	1.00"	HMA Surface	Fair	None	Some	None	
4	1.75"	HMA Binder	Fair	None	Some	None	
5	1.75"	HMA Binder	Fair	None	Some	None	
6	1.00"	HMA Surface	Fair	None	Some	Some	
7	1.00"	HMA Surface	Fair	None	Some	Some	
8	1.00"	HMA Surface	Fair	None	Some	None	
9	2.125"	HMA Surface	Fair	None	Some	None	
10	1.50"	HMA Binder	Poor	None	Some	None	
11	1.50"	HMA Binder	Fair	None	Some	None	

Core #	4	Route:	US 34	Core Date:	5/15/2025	Logged By:	Chad Nelson
Station:	N/A	Latitude:	41.57710000		Longitude:	-88.97238000	
Offset:	Center of lane			Direction:	WB	Lane:	Driving Lane
Comments:	5.3 miles east of HMA/PCC joint at I-39. PCC rubble.						



Lift	Thickness	Material	Condition	Pavement Cracks	Aggregate Cracks	Voids	Comments
1	1.00"	HMA Surface	Fair	None	Some	Some	
2	1.25"	HMA Surface	Poor	None	Many	Many	
3	1.50"	HMA Surface	Poor	None	Many	None	
4	1.50"	HMA Surface	Poor	None	Many	None	
5	4.00"	HMA Binder	Poor	None	Some	Some	
6	2.00"	HMA Binder	Poor	None	Some	Some	
7		choose	choose	choose	choose	choose	
8		choose	choose	choose	choose	choose	

Core #	5	Route:	US 34	Core Date:	5/15/2025	Logged By:	Chad Nelson
Station:	N/A	Latitude:	41.57739000		Longitude:	-88.95030000	
Offset:	Center of lane			Direction:	EB	Lane:	Driving Lane
Comments:	6.5 miles east of HMA/PCC joint at I-39. PCC rubble.						



Lift	Thickness	Material	Condition	Pavement Cracks	Aggregate Cracks	Voids	Comments
1	1.25"	HMA Surface	Poor	None	Many	Some	
2	1.25"	HMA Surface	Poor	None	Many	Some	
3	2.75"	HMA Surface	Fair	None	Some	Some	
4	0.875"	HMA Surface	Fair	None	Some	None	
5	1.50"	HMA Surface	Fair	None	None	None	
6	0.625"	HMA Surface	Fair	None	Some	None	
7	1.75"	HMA Surface	Fair	None	Some	None	
8	1.00"	HMA Surface	Fair	None	Some	Some	
9	1.75"	HMA Binder	Fair	None	Some	None	

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