

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION

PAVEMENT EVALUATION CORING AND CONDITION DATA

Cored By: MADRID CPWG				Coring Completion Date: 2/5/2025				Typical Section: 1									
W.P.I. No.:				Name:		SR 540		Lanes:		4 Lane Urban Principal Arterial Roadway							
Fin. Proj. ID:		451485-1		From:		E of SR 555 (US 17)											
F.A. Project No.:				Roadway ID:		16300000		To:		W of Overlook Dr.							
County:		Polk		SR No.:		540		Beg MP:		0.243	End MP:	1.042	Length:	0.799	Outside:		Paved
Overall Pavement Condition (from DMO field review):				Fair		Median Curbed (Y/N):		Y	Paved - Y	Lawn - Y	Other:	Curb & Gutter (Y/N):		Y			

1630000-All Cores																										
CORE NO.	MILE POST ²	LANE TYPE	LANE	WP (Y/N)	PAVEMENT LAYER (IN.)										TOTAL ASPHALT THICKNESS (IN.)	BASE				STABILIZED SUBGRADE ³	CRACK				PAVEMENT CONDITION	COMMENTS
					FC12.5	FC9.5	SP12.5	SP9.5	S	S2						LR						DEPTH (IN.)	TYPE	CLASS		
1	1.018	ML	R1	N	1.2		1.4							2.6	12.0					2.6	B	II	S	P	Block Cracking	
7	0.746	ML	L1	N	1.3		1.5		2.4					5.2	11.0					5.2	B	II	S	P		
12	0.246	ML	R2	Y			3.7							3.7	12.0								P			
13	0.609	ML	R2	Y	1.3		1.5		2.5					5.3	12.0				12.0	5.3	B	II	S	F		
14	1.029	ML	R2	Y		0.6		1.0	1.8					3.4	11.0					3.4	B	II	S	P		
28	0.801	ML	L2	Y			2.0		1.0					3.0	12.0								F			
39	0.244	TL	RL	N			3.2							3.2	15.0								F			
40	0.464	TL	RL	N		1.0		1.0						2.0	12.0								F			
41	0.631	TL	C	N		0.9		0.7		3.4				5.0	12.0								F			
42	0.922	TL	RL	N		0.6		0.7	2.1					3.4	11.0								P			
43	1.012	TL	RR	Y		1.1		1.1	1.5					3.7	17.5								F			
49	0.877	TL	LL	N		0.7		0.7		1.2				2.6	11.0								F			
50	0.784	TL	LL	N		0.9		1.0		1.7				3.6	12.0								P			
51	0.742	TL	RL	Y		0.9		1.3	4.8					7.0	13.0					7.0	B	III	S	P		
52	0.492	TL	LL	N		1.0		1.3	1.7					4.0	12.0								P			
53	0.283	TL	LL	Y			1.8		0.5					2.3	12.0								F			
AVERAGE					1.27	0.86	2.16	0.98	2.03	2.10				3.75	12.34				12.00	4.70						
MAX					1.30	1.10	3.70	1.30	4.80	3.40				7.00	17.50				12.00	7.00						
MIN					1.20	0.60	1.40	0.70	0.50	1.20				2.00	11.00				12.00	2.60						
LAYER COEF.					0.25	0.25	0.25	0.25	0.25	0.25					0.18				12.00							

Notes:

1. The data presented on this table is specific only at the locations cored at the time of the investigation. Should questions arise regarding the pavement composition, it is incumbent upon those raising the question to perform additional exploration as necessary.
2. Mile posts are approximate based on field recorded measurements using a Distance Measuring Instrument (DMI) or a GPS unit.
3. Stabilization thickness was checked on 10% of the coring locations. For pavement design, assume 12 inches of thickness for stabilization.
4. The cross slope is approximate and measured in the center of the lane.
5. A blank cell indicates measurement was not recorded.
6. A value of "UNK" indicates material was encountered but the total thickness was not determined.

<u>Lane Designations - Decreasing MP</u> OL/IL - Outside/Inside Shoulder L1 - 1st Lane Left of Centerline		<u>Lane Designations - Increasing MP</u> OR/IR - Outside/Inside Shoulder R1 - 1st Lane Right of Centerline		<u>Lane Type</u> ML - Mainline TL - Turn Lane		<u>Lane Type</u> S - Shoulder SS - Side Street		<u>Crack Type</u> A - Alligator B - Block		<u>Crack Rating</u> Class IB - Hairline cracks that are ≤ 1/8 inch wide Class II - Cracks > than 1/8 inch and ≤ 1/4 inch		<u>Extent</u> L - Light M - Moderate		<u>Pavement Condition</u> G - Good F - Fair	
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STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION

PAVEMENT EVALUATION CORING AND CONDITION DATA

Cored By: MADRID CPWG				Coring Completion Date: 2/5/2025				Typical Section: 2								
W.P.I. No.:				Name:		SR 540		Lanes:		4 Lane Urban Principle Arterial Roadway						
Fin. Proj. ID:		451485-1		From:		E of SR 555 (US 17)										
F.A. Project No.:				Roadway ID:		16300101		To:		W of Overlook Dr.						
County:		Polk		SR No.:		540		Beg MP:		0.000	End MP:	1.266	Length:	1.266	Outside:	Paved
Overall Pavement Condition (from DMO field review):				Fair		Median Curbed (Y/N):		Y	Paved - Y	Lawn - Y	Other:	Curb & Gutter (Y/N):	Y			

Mainline Cores (ML)																										
CORE NO.	MILE POST ²	LANE TYPE	LANE	WP (Y/N)	PAVEMENT LAYER (IN.)										TOTAL ASPHALT THICKNESS (IN.)	BASE				STABILIZED SUBGRADE ³	CRACK				PAVEMENT CONDITION	COMMENTS
					FC5	FC12.5	FC9.5	SP12.5	SP9.5	S						LR	ABC-2				DEPTH (IN.)	TYPE	CLASS	EXTENT		
2	0.056	ML	R1	Y		1.3		1.5							2.8	11.5					2.8	A	II	M	P	
3	0.632	ML	R1	Y		0.8		1.2		1.5					3.5	12.0					3.5	B	II	M	P	
4	1.266	ML	L1	N		1.3		1.7							3.0	11.0					3.0	B	II	M	P	Block Cracking
5	0.393	ML	L1	N			1.0		1.1	1.7					3.8	11.0					3.8	B	III	S	P	Block Cracking
6	0.554	ML	L2	Y		1.2		1.0		1.8					4.0	10.0					4.0	B	II	S	P	Longitudinal Cracking
8	0.374	ML	R1	N			1.0		1.3	1.8					4.1		8.1				4.1	B	II	M	P	
9	0.699	ML	R1	Y	1.0			1.0		1.0					3.0	12.0				18.0	2.5	A	II	M	P	
10	0.900	ML	R1	Y			1.0		1.0	1.5					3.5	12.0					2.9	B	II	M	P	
11	1.245	ML	R1	Y		1.3		1.0		1.3					3.6	12.0					3.3	B	II	M	F	
15	0.287	ML	R2	Y		1.3		1.1		1.7					4.1		8.2								F	
16	0.593	ML	R2	Y		1.2		1.0		1.2					3.4	10.0									F	
17	1.007	ML	R2	N			0.9		1.0	1.5					3.4	11.0					3.4	B	II	S	P	
18	1.220	ML	R2	Y			1.1		1.2	1.5					3.8	11.0					3.8	B	II	S	P	
19	1.216	ML	L1	N		1.3		1.2		1.2					3.7	12.0					2.4	B	II	M	P	
20	1.007	ML	L1	N			0.7		1.2	1.9					3.8	12.0									P	
21	0.688	ML	L1	Y			0.7		1.0	1.0					2.7	12.0				13.0	2.9	B	II	S	P	
22	0.469	ML	L1	Y		1.2		1.0		1.4					3.6	10.5					3.6	B	II	S	P	
23	1.244	ML	L2	N			1.0		1.3	1.2					3.5	11.0					2.4	B	II	M	F	
24	0.900	ML	L2	N		1.3		1.0		1.1					3.4	12.0									F	
25	0.629	ML	L2	Y			0.7		1.2	1.5					3.4	12.0					3.4	B	II	S	P	
26	0.291	ML	L2	N			1.1		2.0	1.9					5.0		9.5				2.8	B	II	M	P	
27	0.056	ML	L2	Y			1.0		2.0	0.7					3.7	12.0									F	
AVERAGE					1.00	1.22	0.93	1.15	1.30	1.42					3.58	11.42	8.60			15.50	3.21					
MAX					1.00	1.30	1.10	1.70	2.00	1.90					5.00	12.00	9.50			18.00	4.10					
MIN					1.00	0.80	0.70	1.00	1.00	0.70					2.70	10.00	8.10			13.00	2.40					
LAYER COEF.					0.00	0.25	0.25	0.25	0.25	0.25						0.18	0.16			13.00						

- Notes:
- The data presented on this table is specific only at the locations cored at the time of the investigation. Should questions arise regarding the pavement composition, it is incumbent upon those raising the question to perform additional exploration as necessary.
 - Mile posts are approximate based on field recorded measurements using a Distance Measuring Instrument (DMI) or a GPS unit.
 - Stabilization thickness was checked on 10% of the coring locations. For pavement design, assume 12 inches of thickness for stabilization.
 - The cross slope is approximate and measured in the center of the lane.

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION

PAVEMENT EVALUATION CORING AND CONDITION DATA

Cored By: MADRID CPWG

Coring Completion Date: 2/5/2025

Typical Section: 2

W.P.I. No.:			Name: SR 540			Lanes: 4 Lane Urban Principle Arterial Roadway		
Fin. Proj. ID: 451485-1			From: E of SR 555 (US 17)					
F.A. Project No.:		Roadway ID: 16300101	To: W of Overlook Dr.			Inside: None		
County: Polk		SR No.: 540	Beg MP: 0.000		End MP: 1.266	Length: 1.266	Outside: Paved	
Overall Pavement Condition (from DMO field review): Fair			Median Curbed (Y/N): Y		Paved - Y	Lawn - Y	Other:	Curb & Gutter (Y/N): Y

Shoulder and Turn Lane Cores (S/TL)																										
CORE NO.	MILE POST ²	LANE TYPE	LANE	WP (Y/N)	PAVEMENT LAYER (IN.)										TOTAL ASPHALT THICKNESS (IN.)	BASE				STABILIZED SUBGRADE ³	CRACK				PAVEMENT CONDITION	COMMENTS
					FC5	FC12.5	FC9.5	SP12.5	SP9.5	S						LR	ABC-2				DEPTH (IN.)	TYPE	CLASS	EXTENT		
29	0.029	S	OR	N		1.6		2.4							4.0	12.0									F	
30	0.300	S	OR	N		1.3		1.5		2.9					5.7		9.1								F	
31	0.708	S	OR	N		1.3		1.1		1.3					3.7	10.0									F	
32	1.064	S	OR	N			1.0		1.1	2.6					4.7	10.5									F	
33	1.257	S	OR	N		1.7		1.4		1.3					4.4	10.0									F	
34	1.222	S	OL	N		1.6		1.1		1.3					4.0	10.0									F	
35	1.056	S	OL	N			1.0		1.1	1.3					3.4	11.0									F	
36	0.724	S	OL	N			1.2		1.0	1.5					3.7	11.0				12.0					F	
37	0.326	S	OL	N		1.3		1.0		2.7					5.0		8.7								F	
38	0.058	S	OL	N		1.5		1.3		1.3					4.1	11.0									F	
44	0.821	TL	RL	N			1.2		0.8	1.1					3.1	12.0				15.0					F	
45	1.257	TL	RL	N			1.0		1.0	1.1					3.1	12.0									F	
46	1.125	TL	C	N			1.0		1.3	1.2					3.5	14.0									F	
47	0.283	TL	C	Y			0.9		1.3	2.8					5.0		8.3								F	
48	0.037	TL	LL	Y			1.2		0.8	2.0					4.0	12.0									F	
AVERAGE						1.47	1.06	1.40	1.05	1.74					4.09	11.29	8.70			13.50						
MAX						1.70	1.20	2.40	1.30	2.90					5.70	14.00	9.10			15.00						
MIN						1.30	0.90	1.00	0.80	1.10					3.10	10.00	8.30			12.00						
LAYER COEF.					0.00	0.25	0.25	0.25	0.25	0.25						0.18	0.16			12.00						

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4. The cross slope is approximate and measured in the center of the lane.
5. A blank cell indicates measurement was not recorded.
6. A value of "UNK" indicates material was encountered but the total thickness was not determined.

Lane Designations - Decreasing MP		Lane Designations - Increasing MP		Lane Type		Crack Type	Crack Rating	Extent	Pavement Condition
OL/IL - Outside/Inside Shoulder		OR/IR - Outside/Inside Shoulder		ML - Mainline	S - Shoulder	A - Alligator	Class IB - Hairline cracks that are ≤ 1/8 inch wide	L - Light	G - Good
L1 - 1st Lane Left of Centerline		R1 - 1st Lane Right of Centerline		TL - Turn Lane	SS - Side Street	B - Block	Class II - Cracks > than 1/8 inch and ≤ 1/4 inch	M - Moderate	F - Fair
LL/LR - Left/Right Turn Lane		RL/RR - Left/Right Turn Lane		CO - Crossover	BR - Bridge Approach/Departure	C - Combination	Class III - Cracks > 1/4 inch	S - Severe	P - Poor