

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION
PAVEMENT EVALUATION CORING AND CONDITION DATA

Cored By: MADRID CPWG

Coring Completion Date: 12/14/2023

Typical Section: 1

W.P.I. No.:				Name: SR 35				Lanes: 4 Lane Urban Principal Arterial Roadway					
Fin. Proj. ID: 451480-1-32-01				From: N of SR 546				Shoulder Type and Condition:					
F.A. Project No.:		Roadway ID: 16210000		To: S of Griffin Rd				Inside:					
County: Polk		SR No.: 35		Beg MP: 0.901		End MP: 2.564		Length: 1.663		Outside:			
Overall Pavement Condition (from DMO field review): Fair				Median Curbed (Y/N): Y		Paved		Lawn		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	
					FC9.5	SP12.5	S									LR					DEPTH (IN.)	TYPE			CLASS
1	0.953	ML	R1	Y	0.9	1.7	1.9							4.5	12.0					4.5	C	III	S	F	
3	2.123	ML	R2	N	1.0	1.6	2.4							5.0	12.0					5.0	B	III	S	P	
5	1.003	ML	L1	N	0.8	1.5	1.9							4.2	13.0					4.2	C	III	S	P	
6	1.924	ML	L2	Y	1.2	2.1	1.2							4.5	14.0					2.8	B	III	S	P	
7	1.051	ML	R1	Y	0.9	1.7	2.7							5.3	13.5									P	
8	1.337	ML	R1	N	1.0	1.3	2.1							4.4	13.0									F	
9	1.643	ML	R1	Y	1.1	2.0	1.5							4.6	12.0			13.5		4.6	C	III	S	P	
10	1.961	ML	R1	Y	1.3	1.6	2.0							4.9	13.0									F	
11	2.197	ML	R1	Y	0.7	2.5	2.6							5.8	13.0					5.8	C	III	S	P	Bottom up cracking
12	2.460	ML	R1	N	1.1	1.4	1.7							4.2	14.5									F	
13	0.903	ML	R2	N	1.1	1.6	0.8							3.5	12.5					3.5	C	III	S	P	
14	1.204	ML	R2	N	1.2	3.1								4.3	14.0									F	
15	1.482	ML	R2	Y	1.1	2.0	1.4							4.5	12.0			12.0		4.5	C	III	M	P	
16	1.783	ML	R2	Y	1.2	2.0	1.8							5.0	13.0					5.0	C	III	S	P	
17	2.064	ML	R2	Y	1.5	2.0	1.7							5.2	13.0					5.2	C	III	S	F	Base Crack
18	2.306	ML	R2	Y	1.5	2.4	0.8							4.7	12.0					4.7	C	III	S	F	Box Culvert; Core fell apart (measure in hole)
19	2.556	ML	L1	N	1.4	2.5	0.6							4.5	13.5			12.5		2.5	C	III	S	P	
20	2.257	ML	L1	Y	0.9	2.3	0.8							4.0	14.0					2.4	C	III	S	F	
21	2.016	ML	L1	N	0.8	2.2	1.8							4.8	12.0									F	
22	1.724	ML	L1	Y	1.0	1.6	2.4							5.0	13.0					5.0	C	III	S	P	
23	1.427	ML	L1	N	1.1	2.0	1.7							4.8	15.5									P	
24	1.133	ML	L1	N	1.1	1.4	1.8							4.3	13.5									F	
25	2.426	ML	L2	Y	1.0	1.8	1.2							4.0	13.0			12.0		4.0	C	II	M	F	
26	2.149	ML	L2	N	1.3	2.5	0.7							4.5	12.0					3.2	C	II	M	F	
27	1.837	ML	L2	Y	1.4	2.2	0.9							4.5	16.0									F	
28	1.598	ML	L2	N	1.0	1.9	1.1							4.0	14.0					4.0	C	II	M	P	
29	1.284	ML	L2	N	1.2	2.2	1.2							4.6	13.0									F	
30	0.979	ML	L2	N	1.2	2.0	0.8							4.0	13.0			12.0		4.0	C	II	M	P	
AVERAGE					1.11	1.97	1.54							4.56	13.18			12.40	4.16						
MAX					1.50	3.10	2.70							5.80	16.00			13.50	5.80						
MIN					0.70	1.30	0.60							3.50	12.00			12.00	2.40						
LAYER COEF.					0.25	0.25	0.25								0.18			0.08							

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.

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PAVEMENT EVALUATION CORING AND CONDITION DATA

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County: Polk		SR No.: 35		Beg MP: 0.901		End MP: 2.564		Length: 1.663		Outside:			
Overall Pavement Condition (from DMO field review): Fair				Median Curbed (Y/N): Y		Paved		Lawn		Other:		Curb & Gutter (Y/N): Y	

Shoulder Cores (S)

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			
					FC9.5	SP12.5	S									LR					DEPTH (IN.)	TYPE			CLASS	EXTENT	
31	0.921	S	OR	N	1.2	1.6	1.5							4.3	13.5					15.0					F		
32	1.238	S	OR	N	1.5	2.0	2.4							5.9	13.0											F	
33	1.529	S	OR	N	1.4	2.4	1.0							4.8	12.0											F	
34	1.810	S	OR	N	1.1	2.0	1.4							4.5	14.0											P	
35	2.096	S	OR	N	1.5	2.1	1.4							5.0	14.0											F	
36	2.356	S	OR	N	1.8	2.5	0.7							5.0	13.5											F	
37	2.516	S	OL	N	1.3	1.9	1.1							4.3	14.0					12.0						F	
38	2.235	S	OL	N	1.4	1.7	1.7							4.8	13.0											F	
39	1.990	S	OL	N	1.5	2.2	1.3							5.0	14.0											F	
40	1.681	S	OL	N	1.5	2.2	1.1							4.8	13.5											F	
41	1.377	S	OL	N	1.8	2.0	1.1							4.9	13.0											F	
42	1.083	S	OL	N	1.1	1.5	1.9							4.5	15.0											F	
AVERAGE					1.43	2.01	1.38							4.82	13.54					13.50							
MAX					1.80	2.50	2.40							5.90	15.00					15.00							
MIN					1.10	1.50	0.70							4.30	12.00					12.00							
LAYER COEF.					0.25	0.25	0.25								0.18					0.08							

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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.

<u>Lane Designations - Decreasing MP</u> OL/IL - Outside/Inside Shoulder L1 - 1st Lane Left of Centerline LL/LR - Left/Right Turn Lane	<u>Lane Designations - Increasing MP</u> OR/IR - Outside/Inside Shoulder R1 - 1st Lane Right of Centerline RL/RR - Left/Right Turn Lane	<u>Lane Type</u> ML - Mainline TL - Turn Lane CO - Crossover S - Shoulder SS - Side Street BR - Bridge Approach/Departure	<u>Crack Type</u> A - Alligator B - Block C - Combination	<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 Class III - Cracks > 1/4 inch	<u>Extent</u> L - Light M - Moderate S - Severe	<u>Pavement Condition</u> G - Good F - Fair P - Poor
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County: Polk	Beg MP: 0.901	End MP: 2.564
Roadway ID: 16210000	Length: 1.663	Outside:
SR No.: 35	Other:	Curb & Gutter (Y/N): Y
Overall Pavement Condition (from DMO field review): Fair	Median Curbed (Y/N): Y	Paved
	Lawn	

Turn Lane Cores (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	
					FC9.5	SP12.5	S									LR					DEPTH (IN.)	TYPE			CLASS
2	1.105	TL	RL	N	0.9	2.2	2.2							5.3	12.5					3.0	B	III	S	P	
4	1.859	TL	RR	Y	0.9	2.8	1.2							4.9	12.0					3.8	B	III	S	P	Core Separated
43	0.971	TL	RL	N	1.2	2.6	1.5							5.3	15.0					2.8	C	III	S	P	
44	1.222	TL	RL	Y	1.3	2.5	1.1							4.9	13.0									F	
45	1.310	TL	LL	Y	1.2	2.0	2.1							5.3	12.5					3.3	B	III	S	P	
46	1.554	TL	LL	N	1.3	2.5	0.8							4.6	14.0					2.4	C	III	M	P	
47	1.739	TL	RR	N	1.4	3.4								4.8	12.0			13.0						F	
48	1.871	TL	RR	Y	1.1	2.0	0.9							4.0	12.0					2.9	B	III	S	P	Core Separated
49	2.004	TL	RL	Y	1.2	2.0	2.0							5.2	13.5									F	
50	2.178	TL	LL	Y	0.9	1.8	2.0							4.7	12.5									F	
51	2.251	TL	RL	N	1.3	1.8	1.5							4.6	12.8									F	
52	2.328	TL	LL	N	1.2	2.0	1.3							4.5	12.5									F	
53	2.412	TL	RR	N	1.1	2.1								3.2	12.0					3.2	C	III	S	F	
54	2.477	TL	LR	N	1.3	2.0	2.1							5.4	13.0					3.0	B	III	S	P	
AVERAGE					1.16	2.26	1.56							4.76	12.80				13.00	3.05					
MAX					1.40	3.40	2.20							5.40	15.00				13.00	3.80					
MIN					0.90	1.80	0.80							3.20	12.00				13.00	2.40					
LAYER COEF.					0.25	0.25	0.25								0.18				0.08						

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<u>Lane Designations - Decreasing MP</u>	<u>Lane Designations - Increasing MP</u>	<u>Lane Type</u>	<u>Crack Type</u>	<u>Crack Rating</u>	<u>Extent</u>	<u>Pavement Condition</u>
OL/IL - Outside/Inside Shoulder	OR/IR - Outside/Inside Shoulder	ML - Mainline	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	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	C - Combination	Class III - Cracks > 1/4 inch	S - Severe	P - Poor
		S - Shoulder				
		SS - Side Street				
		BR - Bridge Approach/Departure				