

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

Cored By: Ardaman & Associates - Mark Ochs

Coring Completion Date: 02/15/2021 - 02/16/2021

Typical Section:

W.P.I. No.:		Name:	SR 471			Lanes:	
Fin. Proj. ID:	447441-1	From:	SR 35			Shoulder Type and Condition:	
F.A. Project No.:		Roadway ID:	To: Sumter County Line			Inside:	
County:	Polk	SR No.:	471	Beg MP:	0.000	End MP:	4.430
Overall Pavement Condition (from DMO field review):		Poor		Median Curbed (Y/N):	Paved	Lawn	Other:
				Length:	4.430	Outside:	
						Curb & Gutter (Y/N):	

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				CROSS SLOPE (%) ⁴	COMMENTS	
					FC5	FC9.5	SP9.5	S	BIND								LR	ABC-2	RAP	SCEM 300		CONC	DEPTH (IN.)	TYPE	CLASS			EXTENT
45	4.303	ML	R1	Y	1.0				2.0	2.0							5.0	7.8										
46	4.386	S	OR	N		0.8										0.8	1.5					20.0	0.8	B	III	S		
47	4.472	ML	R1	N	0.8				2.1	1.1						4.0	6.2											Bridge approach. Raveling.
48	4.478	ML	R1	N	1.0				1.0	1.1						3.1												Bridge approach.
49	4.382	S	OL	N		1.1			2.8							3.9	1.5											
50	4.328	S	OL	N	1.0				2.1							3.1	6.1											
51	4.124	SS	L1	N					2.0							2.0							2.0	C	III	S		RAP driveway. No base.
52	4.011	ML	L1	Y	0.9				1.9	1.7						4.5	8.5											
53	3.821	ML	L1	Y	0.7				2.0	1.3						4.0	9.7						4.0	C	III	S		
54	3.881	SS	L1	N					1.5							1.5												No base. RAP driveway. Core fell apart and could not be collected.
55	3.599	S	OL	N	0.7				2.0							2.7	4.3											
56	3.450	ML	L1	Y	0.7				2.0	1.2						3.9	10.5											
57	3.439	ML	L1	Y		1.2			0.9	1.3						3.4	11.2											In patch area. Early signs of debonding at 1 inch.
58	3.093	ML	L1	Y	0.7				1.8	1.4						3.9	8.2				13.1	3.9	C	II	M			
59	2.980	ML	L1	Y	0.6				2.4	0.9						3.9	8.8					2.4	C	II	M			
60	2.706	S	OL	N	0.8				3.8							4.6	4.8											
61	2.342	ML	L1	Y	0.6				2.2	1.4						4.2	7.6					4.2	B	III	S			
62	2.295	ML	L1	N	0.9				2.3	1.2						4.4	7.3											
63	2.239	ML	L1	Y	0.6				2.0	1.5						4.1	8.1						4.1	C	III	S		
64	1.895	ML	L1	Y	0.7				1.9	1.1						3.7	8.7						2.8	C	III	S		
65	1.860	ML	L1	Y			1.1		1.1	1.4						3.6	8.4				10.8	1.5	C	III	S		In patch area. Debonding at 1.5 inches.	
66	1.837	ML	L1	Y	1.1				1.2	0.9						3.2	9.8					3.2	C	III	S			
67	1.701	S	OL	N	0.7				2.5							3.2	4.5											
68	1.611	ML	L1	Y	0.9				2.0	1.1						4.0	9.2					4.0	C	III	S			
69	1.472	ML	L1	Y	0.7				1.9	1.5						4.1	8.2					4.1	C	III	S			
70	1.322	ML	L1	Y			2.0		0.9	1.4						4.3	8.7										In patch area. Early signs of debonding at 2.2 inch.	
71	1.315	ML	L1	Y	1.0				2.0	1.5						4.5	9.0					4.5	C	III	S			
72	1.303	ML	L1	Y	0.9				2.9	2.2						6.0	8.2					6.0	C	III	S			
73	1.099	ML	L1	Y	0.8				2.4	0.7						3.9	9.1					3.9	C	III	S			
74	0.987	S	OL	N	0.9				2.5							3.4	5.1				16.6							
75	0.088	ML	L1	Y	0.7				1.9	1.6						4.2	10.1					4.2	C	III	S			
76	0.839	ML	L1	Y	0.9				1.3	1.8						4.0	9.1					4.0	C	III	S			Raveling.
77	0.757	ML	L1	Y	0.7				2.0	1.1						3.8	9.1					3.8	C	III	S			
78	0.757	ML	L1	Y	0.9				1.7	1.3						3.9	8.9					3.9	C	III	S			
79	0.465	ML	L1	Y	0.5				1.8	1.5						3.8	10.2					3.8	C	III	S			
82	0.314	ML	L1	Y	0.6				2.2	1.7						4.5	9.4					4.5	C	III	S			
85	0.229	S	OL	N	1.4				1.5							2.9				3.8								
86	0.215	ML	L1	Y		1.4	0.8		0.3	1.7						4.2	10.0					15.9	2.4	C	III	S		
90	0.082	TL	L1	Y		0.7	1.0		2.5	0.8						5.0	8.7					0.9	C	III	S			In patch area. Debonding at 0.9 inches.

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County: Polk	Roadway ID:	Beg MP: 0.000	End MP: 4.430	Length: 4.430	Outside:
SR No.: 471		Median Curbed (Y/N):		Curb & Gutter (Y/N):	
Overall Pavement Condition (from DMO field review): Poor		Paved		Lawn	
		Other:			

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				CROSS SLOPE (%) ⁴	COMMENTS	
					FC5	FC9.5	SP9.5	S	BIND								LR	ABC-2	RAP	SCEM 300		CONC	DEPTH (IN.)	TYPE	CLASS			EXTENT
92	0.063	TL	L1	N			2.5	2.0							4.5		6.2											
93	0.058	TL	L1	Y		0.8	1.2	2.3	1.2					5.5	8.5						12.2	3.0	C	III	S			
94	0.050	TL	L1	N			2.7	1.8						4.5		6.0												
95	0.019	TL	L1	N		1.5		2.8	1.7					6.0	9.5												Gore.	
AVERAGE					0.80	1.20	1.42	2.06	1.40					3.95	8.31	5.83		3.80		13.83	3.43							
MAX					1.40	2.00	2.70	7.40	2.20					9.30	12.60	6.20		3.80		20.00	6.00							
MIN					0.40	0.70	0.70	0.30	0.60					0.80	1.50	5.30		3.80		10.80	0.80							
LAYER COEF.					0.00	0.15	0.15	0.15	0.15						0.18	0.12	UNKW	0.15	UNKW	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.
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>	<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
		BR - Bridge Approach/Departure				