

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

Cored By: Ardaman & Associates, Inc.

Date: 9/21-9/23/2020

Typical Section: 1

W.P.I. No.:		Name: SR 45 (US 41)		Lanes: 6	
Fin. Proj. ID: 444640-1-32-01		From: South of Hickory Drive		Shoulder Type and Condition:	
F.A. Project No.:		To: Emerson Square Boulevard		Inside: N	
County: Lee	SR No.: 45	Beg MP: 10.234	End MP: 12.510	Length: 2.276	Outside: Paved
Overall Pavement Condition (from DMO field review): Fair		Median Curbed (Y/N): Y	Paved	Lawn	Other:
				Curb & Gutter (Y/N):	

All Cores																													
CORE NO.	MILE POST ¹	LANE TYPE	LANE	WP (Y/N)	PAVEMENT LAYER (IN.)										TOTAL ASPHALT THICKNESS (IN.)	BASE				STABILIZED SUBGRADE ²	CRACK				PAVEMENT CONDITION	RUT DEPTH - LWP (IN.)	RUT DEPTH - RMP (IN.)	CROSS SLOPE (%)	COMMENTS
					FC3	FC9.5	S	ARMI	BIND								LR	ABC-2	SHEL			DEPTH (IN.)	TYPE	CLASS					
1	10.218	TL/CO	R1	Y	0.5	0.8	4.7								6.0		6.8							G	0.1	0.1	1.80		
2	10.253	TL/CO	CO	N		1.0	2.0			1.8					4.8	9.5					II	L	G			0.80	minor seam cracks		
3	10.359	TL/CO	R3	N	0.8		5.2								6.0		7.7						F	0.1	0.1	2.10	raveling		
4	10.372	TL/CO	R1	N	1.6	1.3	1.9								4.8		7.4						G	0.1	0.1	1.40			
5	10.447	ML	R3	N	0.8		3.2								4.0		7.5		11.7	3.1	C	III	S	P	0.2	0.4	2.60	cracking, raveling	
6	10.447	ML	R3	Y	0.9		2.2	0.3	1.0						4.4	8.3					C	III	S	P	0.2	0.4	2.60	cracking, raveling	
7	10.447	ML	R3	Y	0.6		3.8								4.4		7.4				C	II	M	P	0.2	0.4	2.60	cracking, raveling	
8	10.480	ML	R2	Y	0.9		3.1	0.4	1.1						5.5	9.1							F	0.3	0.1	1.20	raveling		
9	10.500	TL/CO	R3	N	1.0		12.7								13.7	4.3							P	0.3	0.1	1.20	cracking		
10	10.517	TL/CO	R1	Y	1.3		4.0								5.3		8.2						F	0.2	0.4	1.20			
11	10.563	ML	R3	N	0.7		2.6	0.7	0.7						4.7	9.0							P	0.8	0.7	1.50	cracking, rutting		
12	10.590	TL/CO	CO	N			2.8			3.0					5.8	10.5							P			0.40	raveling		
13	10.649	ML	R2	Y	1.0		4.4			0.8					6.2	10.0							P	0.4	0.1	0.90	cracking, raveling		
14	10.758	ML	R2	N	0.9		3.8	0.3	0.5						5.5	8.5							P	0.3	0.1	1.20	cracking, raveling, debonding		
15	10.818	ML	R3	N	1.1		3.1	0.4	0.9						5.5	8.2							P	0.3	0.2	1.70	cracking, raveling		
16	10.828	ML	R1	Y	0.9		3.0	0.3	0.8						5.0	5.3							P	0.3	0.1	1.20	cracking		
17	10.846	TL/CO	R1	Y	0.8		4.6								5.4		9.6						G	0.1	0.1	1.30			
18	10.872	ML	R2	N	1.0		3.6	0.6	0.6						5.8								P	0.2	0.1	1.40	full-depth cracking, raveling		
19	10.882	TL/CO	CO	N	1.8		6.3								8.1	9.1							G	0.2	0.2	1.20	debonding		
20	10.973	ML	R2	N	0.9		3.1	0.4	0.9						5.3	7.9							P	0.2	0.1	3.70	full-depth cracking, raveling		
21	11.155	ML	R3	Y	1.0		1.9	0.4	1.0						4.3	7.7							P	0.3	0.1	2.20	cracking, raveling		
22	11.152	TL/CO	R1	N	0.9		2.8								3.7		8.1						F	0.2	0.2	2.00	full-depth cracking, half core missing-ABC		
23	11.189	ML	R2	Y	1.0		2.7	0.4	1.0						5.1	10.0							P	0.1	0.1	1.50	cracking, raveling		
24	11.334	ML	R1	N	0.9		3.2	0.5	1.9						6.5	8.0					III	S	P	0.1	0.1	1.40	cracking, asphalt slipping		
25	11.334	ML	R1	Y	1.0		3.1	0.3	1.5						5.9	8.2							P	0.1	0.1	1.40	cracking, asphalt slipping		
26	11.461	ML	R2	N	0.8		3.1	0.5	1.2						5.6	8.7					C	III	S	P	0.3	0.1	2.20	cracking, severe raveling	
27	11.542	TL/CO	R3	N	0.5		3.5								4.0		8.0					IB	L	P	0.8	0.3	1.80	rutting, minor cracking	
28	11.555	TL/CO	R1	Y	1.0		5.2								6.2	13.8						C	IB	L	G	0.1		1.50	cracking
29	11.596	TL/CO	CO	N	1.0		2.3			2.5					5.8	8.6							F	0.2	0.1	0.90	cracking, raveling		
30	11.670	TL/CO	R1	Y		1.3	1.8			2.6					5.7	10.3							F	0.2	0.1	1.40	repaired area, drag marks		
31	11.714	ML	R2	N	1.2		3.3	0.4	0.9						5.8	9.1							P	0.1	0.1	1.00	cracking, raveling, divots, drag marks		
32	11.714	ML	R2	Y	1.2		3.2	0.4	1.0						5.8	9.1							P	0.1	0.1	1.00	cracking, raveling, divots, drag marks		
33	11.826	ML	R1	Y	1.3		3.1	0.3	1.2						5.9	10.6							P	0.3	0.1	1.60	cracking, raveling		
34	11.849	ML	R3	Y	1.0		2.7	0.5	1.4						5.6	11.6							P	0.1	0.1	2.10	cracking, raveling		
35	11.922	TL/CO	R1	Y	1.0		14.7								15.7	5.5							F	0.2	0.1	1.50	cracking		
36	11.962	TL/CO	CO	N	1.0		3.7			0.4					5.1	11.0							F	0.1	0.1		drag marks		
37	12.086	ML	R3	N	1.2		3.0	0.4	1.2						5.8	11.4							P	0.3	0.1	2.00	full-depth cracking, widening crack		
38	12.129	TL/CO	R1	N		0.8	3.7								4.5	11.7							G		0.1	1.70			
39	12.162	ML	R3	N	0.9		3.5								4.4	8.9							P	0.2	0.3	1.20	cracking, raveling		

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				Curb & Gutter (Y/N):	

All Cores

CORE NO.	MILE POST ¹	LANE TYPE	LANE	WP (Y/N)	PAVEMENT LAYER (IN.)										TOTAL ASPHALT THICKNESS (IN.)	BASE			STABILIZED SUBGRADE ²	CRACK				PAVEMENT CONDITION	RUT DEPTH - LWP (IN.)	RUT DEPTH - RWP (IN.)	CROSS SLOPE (%)	COMMENTS		
					FC3	FC9.5	S	ARMI	BIND								LR	ABC-2		SHEL	DEPTH (IN.)	TYPE	CLASS						EXTENT	
40	12.189	ML	R1	Y	1.0		2.7	0.4	1.6						5.7	8.0					3.2	C	III	S	P	0.2	0.2	1.70	cracking	
41	12.224	ML	R2	Y	1.1		2.4								3.5		6.0						III	S	P			0.20	cracking	
42	12.224	ML	R2	Y	0.9		3.6								4.5		5.6						III	S	P			0.20	cracking	
43	12.312	ML	R3	N	1.0		2.7	0.5							4.2	10.4					4.2	C	III	S	P	0.3	0.3	0.40	full-depth cracking, raveling	
44	12.312	ML	R3	N	0.8		2.5	0.5	0.6						4.4	8.7			20.0					P	0.3	0.3	0.40	cracking, raveling		
45	12.312	ML	R3	Y	0.9		3.1								4.0	8.6								P	0.3	0.3	0.40	cracking, raveling		
46	12.345	ML	R2	Y	1.0		3.1	0.5	0.9						5.5	6.0					2.7	C	II	S	P	0.2	0.1	0.70	cracking, raveling	
47	12.353	TL/CO	R1	Y		1.0	2.5								3.5		11.7							G						
48	12.411	ML	R3	N	1.5		2.1	0.5	0.5						4.6	10.5					2.0	C			G				raveling, drag marks	
49	12.411	ML	R3	N	1.6		2.8								4.4		8.7							G			0.1	0.20	raveling, drag marks	
50	12.399	TL/CO	CO	N		1.1	1.5								2.6	10.4								G						
51	12.360	ML	L2	Y	0.7		3.2	0.9							4.8	8.5			12.0		2.0	C	III	S	P	0.2	0.2	1.20	cracking, raveling	
52	12.360	ML	L2	Y	0.7		3.1	0.4	0.7						4.9	8.7					3.5	C	III	S	P	0.2	0.2	1.20	cracking, raveling	
53	12.252	TL/CO	L1	Y	1.2		3.3								4.5		7.4				3.0	C	III	S	P	0.1	0.4	1.20	cracking, raveling	
54	12.231	TL/CO	L3	N		0.8	4.4								5.2	12.4								G			0.1	1.00		
55	12.174	ML	L2	N	0.7		2.7	0.3	0.6						4.3	12.1			12.5		3.5	C	III	S	P	0.4	0.1	1.00	cracking, raveling	
56	12.174	ML	L2	Y	0.9		2.6	0.5	0.5						4.5	10.1					3.0	C	III	S	P	0.4	0.1	1.00	cracking, raveling	
57	12.148	ML	L3	Y	1.0		2.1	0.5	1.0						4.6		7.4				4.6	C	III	M	P	0.5	0.3	1.80	full-depth cracking, raveling, half core missing-ABC	
58	12.061	ML	L1	N	1.1		3.7		2.2						7.0	9.5					7.0	C	III	S	P	0.2	0.3	1.20	full-depth cracking, raveling, drag marks	
59	12.018	TL/CO	L1	Y	0.9		12.0								12.9	6.0								F					raveling	
60	12.006	ML	L2	N	0.8		3.2	0.5	0.5						5.0	11.6					2.5	C	III	S	P	0.3	0.1	0.80	cracking, raveling	
61	11.903	ML	L1	Y	1.0		2.2	0.5	1.3						5.0	9.7					3.4	C	III	S	P	0.3	0.2	1.50	cracking, raveling, drag marks	
62	11.838	ML	L2	Y	1.0		2.6	0.5	0.7						4.8	8.5					2.2	C	III	M	P	0.3	0.1	1.20	cracking, raveling	
63	11.762	TL/CO	L1	Y	1.0		12.8								13.8	7.0								P	0.3	0.1	1.20	raveling		
64	11.758	ML	L3	N	0.8		2.5		1.8						5.1	10.1			14.8		5.1	C	III	S	P	0.3	0.2	1.40	full-depth cracking, raveling	
65	11.667	TL/CO	L1	N	1.1		8.2								9.3		5.3							F	0.2	0.1	1.80	raveling		
66	11.585	ML	L2	N	0.6		3.2	0.4	0.6						4.8	9.0					3.7	C	III	S	P	0.2	0.1	1.00	cracking, raveling	
67	11.553	ML	L1	Y	1.0		2.3	0.3	1.1						4.7	9.0					3.4	C	III	S	P	0.3	0.3	1.80	raveling, cracking, drag marks	
68	11.490	TL/CO	L1	N	1.1		3.2								4.3		7.2				2.5	C	III	L	P	0.1	0.1	0.80	cracking, raveling	
69	11.476	ML	L3	Y	1.0		3.3								4.3						4.3	C	III	S	P	0.3	0.1	2.20	full-depth cracking, raveling	
70	11.316	ML	L2	Y	0.6		3.2	0.4	0.8						5.0	10.5			15.0		3.0	C	III	S	P	0.2	0.2	1.20	cracking, raveling	
71	11.316	ML	L2	Y	0.8		3.0	0.5	0.7						5.0	10.1					3.9	C	III	S	P	0.3	0.2	1.00	cracking, raveling	
72	11.283	ML	L2	Y	0.7		2.5	0.4	0.9						4.5	10.1							C	III	M	P	0.1	0.2	1.00	cracking, raveling
73	11.283	ML	L2	Y	0.9		2.6	0.4	0.6						4.5	10.0					3.9	C	III	S	P	0.1	0.2	1.00	cracking, raveling	
74	11.283	ML	L2	N	0.6		2.7	0.5	0.8						4.6	10.6					2.7	C	III	S	P	0.1	0.2	1.00	cracking, raveling	
75	11.231	TL/CO	L1	Y		2.0	2.2								4.2	9.6								F						
76	11.100	ML	L2	N	1.0		2.8	0.4	1.0						5.2	9.0							III	M	F	0.3	0.2	1.30	light raveling	
77	11.050	ML	L1	Y	0.6		2.6	0.4	1.9						5.5	8.5			9.0				III	M	P	0.3	0.1	0.60	cracking, raveling	
78	11.008	TL/CO	L1	Y		1.3	3.2								4.5	7.0								G						

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CORE NO.	MILE POST ¹	LANE TYPE	LANE	WP (Y/N)	PAVEMENT LAYER (IN.)										TOTAL ASPHALT THICKNESS (IN.)	BASE			STABILIZED SUBGRADE ²	CRACK				PAVEMENT CONDITION	RUT DEPTH - LWP (IN.)	RUT DEPTH - RWP (IN.)	CROSS SLOPE (%)	COMMENTS	
					FC3	FC9.5	S	ARMI	BIND								LR	ABC-2		SHEL	DEPTH (IN.)	TYPE	CLASS						EXTENT
79	10.950	TL/CO	L3	N	0.5		3.7							4.2	9.0					2.3	C	II	L	F		0.1	2.20	cracking	
80	10.909	ML	L1	Y	0.8		3.4	0.5	1.3					6.0	9.1							II	L	F	0.3	0.3	1.50	minor cracking	
81	10.840	TL/CO	L1	N	1.0		9.7							10.7	8.6							IB	L	F	0.3	0.3	1.80	minor cracking	
82	10.788	TL/CO	L3	N	0.9		1.7							2.6	10.3									G		0.1	1.40	light raveling	
83	10.738	ML	L3	Y	1.2		2.0	0.4	0.8					4.4	7.0					3.2	C	III	S	P	0.4	0.1	2.00	cracking, raveling, half core missing-ABC	
84	10.718	TL/CO	L1	Y	0.9		4.1							5.0		8.2				2.0	C	IB	L	F	0.1	0.3	1.80	raveling	
85	10.639	TL/CO	L3	Y	1.3		10.0							11.3	5.4					3.5	C	III	M	F	0.2	0.1	1.20	cracking, raveling	
86	10.511	ML	L2	Y	0.8		3.0	0.4	0.6					4.8	8.4			11.0		3.7	C	III	S	P	0.2	0.2	1.40	pieces of asphalt missing, cracking	
87	10.511	ML	L2	Y	0.9		3.1	0.4	0.6					5.0	7.5					2.7	C	III	S	P	0.2	0.2	1.40	severe cracking	
88	10.485	TL/CO	L3	N	1.0		2.1							3.1	10.1								G		0.2	0.1	2.00		
89	10.429	TL/CO	L1	N	1.1		4.5							5.6		8.1							G			0.4	1.70		
90	10.270	TL/CO	L1	Y		0.8	3.4							4.2		9.3				1.0	C	IB	L	F	0.1	0.1	1.20	minor cracking, debonding	
91	10.624	S	OR	N	0.6		3.1							3.7	8.7			14.6					F				1.60		
92	11.123	S	OR	N	0.9		4.2							5.1		3.3							F				3.20		
93	11.830	S	OR	N	1.8		4.2							6.0		4.3							F				3.50		
94	12.276	S	OR	N	1.0		3.2							4.2	9.9			17.9					F				2.10		
95	12.112	S	OL	N	1.0		4.1							5.1		3.1							F				3.60		
96	11.392	S	OL	N	1.1		2.9							4.0		3.3							F				3.30		
97	10.870	S	OL	N	1.6		3.4							5.0		4.6							F				1.00		
98	10.384	S	OL	N	0.9		3.6							4.5		5.2							F				2.50		
AVERAGE					0.97	1.11	3.72	0.44	1.09					5.47	9.12	6.71	11.70		13.67	3.28					0.2	0.2	1.55		
MAX					1.80	2.00	14.70	0.90	3.00					15.70	13.80	9.60	11.70		20.00	7.00					0.8	0.7	3.70		
MIN					0.50	0.80	1.50	0.30	0.40					2.60	4.30	3.10	11.70		9.00	1.00					0.1	0.1	0.20		
LAYER COEF.					0.17	0.25	0.25	0.00	0.20						0.18	0.16	0.18		0.08										

- Notes:
- Mile posts are approximate based on field recorded measurements using a Distance Measuring Instrument (DMI).
 - Stabilization thickness was checked on 10% of the coring locations. For pavement design assume 12 inches of thickness for stabilization.
 - The cross slope is measured in the center of the lane.
 - A blank cell indicates measurement was not recorded.

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