

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

Cored By: RCS

Coring Completion Date: 10/19/2023

Typical Section: 1

W.P.I. No.:		Name: SR 17		Lanes: 2 Lanes	
Fin. Proj. ID: 450880-1		From: North Crooked Lake Road		Shoulder Type and Condition:	
F.A. Project No.:		To: Townsend Road		Inside: None	
County: Polk	Roadway ID: 16090000	Beg MP: 12.700	End MP: 17.203	Length: 4.503	Outside: Paved Shoulder
Overall Pavement Condition (from DMO field review): Fair		SR No.: 17	Median Curbed (Y/N): N	Paved	Lawn
		Other:		Curb & Gutter (Y/N): N	

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
					FC12.5	SP12.5	S	WC								LR	ABC-2				DEPTH (IN.)	TYPE		
1	12.717	ML	R1	N	1.5		1.6					3.1	13.1					3.1	C	III	S	P		
2	12.717	ML	R1	N	1.4		1.9					3.3	13.2										F	
3	12.717	ML	R1	Y	1.4		1.8					3.2	13.0				12.0						F	
4	14.918	ML	R1	Y	1.5	1.0	1.3	0.5				4.3	10.0				1.5	C	III	S	P			
5	16.522	ML	R1	Y	1.3	1.1	0.6	0.5				3.5	10.6				1.3	C	III	S	P			
6	17.163	ML	L1	Y	1.7		2.2					3.9	9.1				2.7	C	III	S	P			
7	15.994	ML	L1	N	1.6	1.3		0.5				3.4	8.8				1.6	C	III	S	P			
8	15.994	ML	L1	N	1.7	1.3	0.2	0.6				3.8	9.8				3.0	C	III	S	P			
9	15.994	ML	L1	N	1.6	1.2	0.3	0.5				3.6	10.4				1.6	C	III	S	P			
13	17.184	ML	L1	Y	1.6		1.6					3.2	11.0				12.0	3.2	C	III	S	P		
15	17.174	ML	R1	N	1.7		3.9	0.5				6.1	7.7				4.2	A	III	S	P			
17	17.143	ML	L1	Y	1.7		2.3					4.0	8.9				4.0	A	III	S	P			
19	17.094	ML	L1	Y	1.5		2.9	0.6				5.0	7.4				2.6	C	III	S	P			
21	17.069	ML	R1	Y	1.5	2.5						4.0	8.2				12.0	4.0	C	III	S	P		
23	17.131	ML	R1	N	1.6		3.9	0.5				6.0	2.1				4.7	A	III	S	P			
25	16.975	ML	L1	Y	1.2	1.6						2.8	9.4				2.8	C	II	M	P			
27	16.813	ML	R1	N	1.2	2.2	0.8	0.5				4.7	7.5				3.2	C	III	S	P		Bottom up Crack	
29	16.631	ML	L1	N	2.0	1.0						3.0	9.8				2.0	C	II	M	F			
31	16.457	ML	R1	N	1.3	1.3						2.6	11.7				1.9	C	II	M	P		Base Crumbled	
33	16.262	ML	L1	Y	1.8	1.2	0.5	0.5				4.0	10.1				3.0	C	III	S	P		Bottom up Crack	
35	16.095	ML	R1	Y	1.8	1.3	0.7	0.5				4.3	8.4				2.8	C	III	S	F		Bottom up Crack	
37	15.932	ML	L1	N	1.8	1.1	0.9	0.5				4.3	10.0				12.0	2.9	C	III	S	P		Bottom up Crack
39	15.730	ML	R1	Y	1.5	1.2	0.9	0.5				4.1	8.4				3.3	C	III	S	P			
41	15.563	ML	L1	Y	1.7	1.0	0.7	0.6				4.0	10.4				2.5	C	III	S	P		Bottom up Crack	
43	15.356	ML	R1	N	1.5	1.0	0.5	0.5				3.5	9.7				3.5	C	III	S	P			
45	15.177	ML	L1	Y	1.4		1.5	0.4				3.3	11.6				12.0	3.3	C	III	S	P		
47	15.029	ML	R1	Y	1.5	1.5	1.0	0.6				4.6	8.9				3.2	C	III	S	P		Bottom up Crack	
49	14.852	ML	L1	Y	1.5	1.7						3.2	7.9				3.2	C	III	S	P			
51	14.669	ML	R1	Y	1.4	1.3	0.5	0.5				3.7	7.9				3.0	C	III	S	P			
53	14.458	ML	L1	Y	1.3	1.3						2.6	9.3				2.6	C	III	S	P			
55	14.278	ML	R1	Y	1.5	0.9	0.5	0.5				3.4	9.1				12.0	2.6	C	III	S	F		Bottom up Crack
57	14.152	ML	L1	Y	1.4	1.4	0.2	0.7				3.7	9.1				3.3	C	III	S	P		Bottom up Crack	
59	13.921	ML	R1	N	1.5	1.2						2.7	9.5				2.7	C	III	S	P			
61	13.752	ML	L1	Y	1.7	1.1		0.5				3.3	9.6				3.3	C	III	S	P			
63	13.558	ML	R1	N	1.4	1.0	0.5	0.5				3.4	9.7				12.0	3.4	C	III	S	P		
65	13.383	ML	L1	Y	1.4	1.1						2.5	10.5				12.0	2.5	C	III	S	P		
67	13.202	ML	R1	Y	1.1	1.6	0.8	0.6				4.1	7.7				4.1	C	III	S	P			
69	13.030	ML	L1	N	1.2			0.4				1.6	10.4										F	
71	12.834	ML	R1	Y	1.2		2.5					3.7	8.7				2.6	C	II	M	P			
AVERAGE					1.50	1.31	1.32	0.52				3.68	9.45				12.00	2.92						
MAX					2.00	2.50	3.90	0.70				6.10	13.20				12.00	4.70						
MIN					1.10	0.90	0.20	0.40				1.60	2.10				12.00	1.30						

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Typical Section: 1

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Fin. Proj. ID: 450880-1		From: North Crooked Lake Road		Shoulder Type and Condition:	
F.A. Project No.:		To: Townsend Road		Inside: None	
County: Polk	Roadway ID: 16090000	Beg MP: 12.700	End MP: 17.203	Length: 4.503	Outside: Paved Shoulder
Overall Pavement Condition (from DMO field review): Fair		SR No.: 17	Median Curbed (Y/N): N	Paved	Lawn
		Other:		Curb & Gutter (Y/N): N	

Mainline Cores (ML)

CORE NO.	MILE POST ²	LANE TYPE	LANE	WP (Y/N)	PAVEMENT LAYER (IN.)								TOTAL ASPHALT THICKNESS (IN.)	BASE			CRACK				PAVEMENT CONDITION	COMMENTS			
					FC12.5	SP12.5	S	WC								LR	ABC-2		STABILIZED SUBGRADE ³	DEPTH (IN.)			TYPE	CLASS	EXTENT
LAYER COEF.					0.25	0.25	0.25	UNKW							0.18	0.16			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> 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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F.A. Project No.:		To: Townsend Road		Inside: None	
County: Polk		Roadway ID: 16090000		Outside: Paved Shoulder	
Overall Pavement Condition (from DMO field review): Fair		SR No.: 17		Curb & Gutter (Y/N): N	
		Beg MP: 12.700		End MP: 17.203	
		Length: 4.503		Other:	
		Median Curbed (Y/N): N		Paved	
		Lawn			

Shoulder Cores (S)

CORE NO.	MILE POST ²	LANE TYPE	LANE	WP (Y/N)	PAVEMENT LAYER (IN.)								TOTAL ASPHALT THICKNESS (IN.)	BASE			CRACK				PAVEMENT CONDITION	COMMENTS		
					FC12.5	SP12.5	S	WC								LR	ABC-2		STABILIZED SUBGRADE ³	DEPTH (IN.)			TYPE	CLASS
14	17.184	S	OL	N	1.5								1.5		1.7				1.5	C	III	S	P	Base Crack
16	17.174	S	OR	N	1.6		2.1						3.7	11.3									F	
18	17.143	S	OL	N	1.8								1.8		2.2				1.8	C	III	L	P	Base Crack
20	17.094	S	OL	N	1.6		1.2						2.8	10.9					2.8	C	III	S	P	
22	17.069	S	OR	N	1.6	1.9							3.5		2.0			12.0					F	
24	17.131	S	OR	N	1.4		1.6						3.0	7.0									F	
26	16.975	S	OL	N	0.9	1.2							2.1		3.5								F	
28	16.813	S	OR	N	1.5	1.5							3.0		3.8								F	
30	16.631	S	OL	N	2.0	1.1							3.1		3.9								F	
32	16.457	S	OR	N	1.6	0.8							2.4		3.0								F	
34	16.262	S	OL	N	1.6	1.8							3.4		3.9								F	
36	16.095	S	OR	N	1.2	1.3							2.5		3.4								F	
38	15.932	S	OL	N	1.5	1.3							2.8		3.7			12.0					F	
40	15.730	S	OR	N	1.9	1.3							3.2		3.9								F	
42	15.563	S	OL	N	1.6	1.2							2.8		3.5								F	
44	15.356	S	OR	N	1.4	1.3							2.7		3.5								F	
46	15.177	S	OL	N	1.6	1.7							3.3		3.1								F	
48	15.029	S	OR	N	1.6	1.5							3.1		3.8								F	
50	14.852	S	OL	N	1.6	1.4							3.0		3.3								F	
52	14.669	S	OR	N	1.5	1.5							3.0		5.2								F	
54	14.458	S	OL	N	1.5	1.5							3.0		2.5								F	
56	14.278	S	OR	N	1.3	1.4							2.7		4.4								F	
58	14.152	S	OL	N	1.6	1.4							3.0		4.6								F	
60	13.921	S	OR	N	1.3	1.3							2.6		3.1								F	
62	13.752	S	OL	N	1.5	1.3							2.8		3.4								F	
64	13.558	S	OR	N	1.5	1.7							3.2		2.9								F	
66	13.383	S	OL	N	2.0								2.0		3.4								F	
68	13.202	S	OR	N	1.8	1.5							3.3		2.7								F	
70	13.030	S	OL	N	1.6								1.6		4.1								F	
72	12.834	S	OR	N	1.4								1.4		4.4								F	
AVERAGE					1.55	1.40	1.63						2.74	9.73	3.47			12.00	2.03					
MAX					2.00	1.90	2.10						3.70	11.30	5.20			12.00	2.80					
MIN					0.90	0.80	1.20						1.40	7.00	1.70			12.00	1.50					
LAYER COEF.					0.25	0.25	0.25	UNKW					0.18	0.16				0.08						

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Lane Designations - Decreasing MP	Lane Designations - Increasing MP	Lane Type	Crack Type	Crack Rating	Extent	Pavement Condition
OL/L - Outside/Inside Shoulder	OR/IR - Outside/Inside Shoulder	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	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	C - Combination	Class III - Cracks > 1/4 inch	S - Severe	P - Poor

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County: Polk	Roadway ID: 16090000	Beg MP: 12.700	End MP: 17.203	Length: 4.503	Outside: Paved Shoulder
Overall Pavement Condition (from DMO field review): Fair		SR No.: 17	Median Curbed (Y/N): N	Paved	Lawn
		Other:		Curb & Gutter (Y/N): N	

Turn Lane Cores (TL)

CORE NO.	MILE POST ²	LANE TYPE	LANE	WP (Y/N)	PAVEMENT LAYER (IN.)								TOTAL ASPHALT THICKNESS (IN.)	BASE			CRACK				PAVEMENT CONDITION	COMMENTS					
					FC12.5	SP12.5	S	WC								LR	ABC-2		STABILIZED SUBGRADE ³	DEPTH (IN.)			TYPE	CLASS	EXTENT		
10	12.760	TL	RR	Y	1.2			1.4						2.6	10.9									F			
11	12.808	TL	LL	N	1.6				0.6					2.2	8.7									F			
12	17.166	TL	RL	N	1.7			3.7	0.7					6.1	7.9							5.5	C	III	S	P	
AVERAGE					1.50			2.55	0.65					3.63	9.17							5.50					
MAX					1.70			3.70	0.70					6.10	10.90							5.50					
MIN					1.20			1.40	0.60					2.20	7.90							5.50					
LAYER COEF.					0.25	0.25	0.25	UNKW						0.18	0.16							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/L - Outside/Inside Shoulder L1 - 1st Lane Left of Centerline LL/LR - Left/Right Turn Lane	OR/IR - Outside/Inside Shoulder R1 - 1st Lane Right of Centerline RL/RR - Left/Right Turn Lane	ML - Mainline TL - Turn Lane CO - Crossover	S - Shoulder SS - Side Street B - Block C - Combination	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	L - Light M - Moderate S - Severe	G - Good F - Fair P - Poor