

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

Cored By: Madrid Engineering

Coring Completion Date: 9/8/2021

Typical Section: _____

W.P.I. No.:		Name:	SR 35 (US 98)			Lanes:	Varied
Fin. Proj. ID:	436672-1	From:	West Daughtery Road			Shoulder Type and Condition:	
F.A. Project No.:		Roadway ID:	16210000			To: North of West Socrum Road	
County:	Polk	SR No.:	35			Beg MP: 5.623 End MP: 9.005 Length: 3.382	
Overall Pavement Condition (from DMO field review):				Fair	Median Curbed (Y/N):	Partial Paved Lawn	Other: Curb & Gutter (Y/N): 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				PAVEMENT CONDITION	COMMENTS
					FC5	FC9.5	SP9.5	Armi	S	WC	S2	T1	FC3	BIND		LR	ABC-1	RAP	SAHM		DEPTH (IN.)	TYPE	CLASS	EXTENT		
1	5.934	ML	L2	Y		0.8	1.1	0.7	3.7						6.3	10.0				14.0					F	
2	5.789	ML	L2	Y		1.0	1.9								2.9	18.0					2.9	C	III	S	P	
3	5.760	ML	R2	N		0.9	2.7								3.6	19.0									F	
4	5.895	ML	R2	Y		0.8	2.6	0.9	1.2	0.6					6.1	11.0					2.0	C	III	S	P	
5	5.895	ML	R2	Y		0.7	2.0	1.0	2.0	0.7					6.4	11.5					5.2	C	III	S	P	
6	6.856	ML	R2	N	0.8		1.3	1.0	1.2						4.3	10.0									F	
7	7.774	ML	R2	Y	1.0		1.1	1.0		0.5					3.6	12.0									F	
8	8.138	ML	R1	Y	0.9		1.2	0.7	1.3						4.1	10.0									F	
9	5.834	ML	R1	N		1.8	2.4								4.2	19.0					1.8	C	III	L	P	
10	6.319	ML	R2	Y	0.8		1.5	1.5	0.7						4.5	10.0									F	
11	5.641	ML	R3	Y		1.0	3.9								4.9	16.0				0.0					F	
12	8.949	ML	R1	Y	0.8		3.5								4.3	10.0									F	
13	5.674	ML	R3	N		1.0	3.5								4.5	11.0									F	
14	8.995	ML	L1	Y	0.6		1.6	0.6		0.6	1.3	1.3			6.0			5.5							F	
15	6.903	ML	L2	N	0.9		2.2	0.6		0.5	2.2	1.5			7.9	9.0									F	
16	7.836	ML	L1	Y	0.9		2.8	0.7		0.5	2.9	1.0			8.8	9.5				14.0					F	
17	8.600	ML	L1	Y	0.9		2.1	0.9	10.1	0.5		1.9			16.4			6.0							F	
18	8.067	ML	L1	N	1.0		3.8	0.9	3.4	0.6		1.2			10.9	7.0									F	
19	7.152	ML	L1	Y	0.6		1.5	1.3	6.8	0.6		2.0			12.8	8.0									F	
20	6.300	ML	L1	Y	0.9		2.7	0.6	4.7	0.6		1.5			11.0	6.0									F	
21	5.667	TL	LR	N		1.3	2.7								4.0	17.0									F	
22	5.699	TL	LL	N		1.5	2.7								4.2	10.0									F	
23	6.074	TL	LR	N	1.1		2.6								3.7	18.0									F	
24	6.156	TL	LL	Y	1.0		2.5								3.5	10.0									F	
25	6.205	TL	LR	Y	1.1		1.6		2.4						5.1	16.0									F	
26	6.274	TL	LL	N	1.1		5.9								7.0		7.0								F	
27	6.265	TL	LR	N	0.8		2.3								3.1	10.5									F	
28	6.695	TL	LL	N	1.0		3.0		3.0						7.0		7.6								F	
29	6.658	TL	LR	N	0.7		2.4		0.5						3.6	10.5				13.0					F	

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County:	Polk	SR No.:	35			Inside:			
Overall Pavement Condition (from DMO field review):		Fair	Beg MP:	5.623	End MP:	9.005	Length:	3.382	Outside:
Median Curbed (Y/N):			Partial	Paved	Lawn	Other:		Curb & Gutter (Y/N):	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				PAVEMENT CONDITION	COMMENTS
					FC5	FC9.5	SP9.5	Armi	S	WC	S2	T1	FC3	BIND		LR	ABC-1	RAP	SAHM		DEPTH (IN.)	TYPE	CLASS	EXTENT		
59	8.002	TL	RR	Y	1.0		2.5									3.5	16.5							F		
60	8.203	TL	RL	N	1.0		4.4									5.4	10.0							F		
61	8.167	TL	RR	Y	1.4		3.1									4.5	11.0			12.0				F		
62	8.371	TL	RR	Y	1.4		1.2									2.6	11.0			13.0				F		
63	8.327	TL	RL	Y	1.0		3.4									4.4	10.0							F		
64	8.458	TL	RL	N	1.0		3.7									4.7	9.5							F		
65	8.638	TL	RR	N	1.0		2.5									3.5	11.0							F		
66	5.716	S	OL	N		1.4	0.9		2.4							4.7	10.0							F		
67	6.697	S	OL	N	0.8		1.5									2.3		5.0						F	Base material fell apart	
68	7.609	S	OL	N	1.1		1.4									2.5		6.0						F		
69	8.480	S	OL	N	1.3		2.0									3.3	8.0							F		
70	8.933	S	OL	N	1.5		1.3									2.8	5.0							F	Base material underlain by 17 inches of clay	
71	5.955	S	IL	N		1.1	4.0									5.1	10.0			16.0	1.2	C	IB	L	F	
72	5.712	S	OR	N		1.5	3.2									4.7	20.0								F	
73	6.579	S	OR	N	0.6		1.7									2.3		7.0							F	
74	7.510	S	OR	N	0.8		2.3									3.1	12.0								F	
75	8.457	S	OR	N	0.5		2.3									2.8		5.0							F	
76	8.972	S	OR	N	1.0				1.0							2.0	6.0								F	
77	8.847	S	IR	N	1.0				2.0	0.8						3.8	10.0								F	
78	5.998	CO		N		2.0	4.5									6.5	10.0								F	
79	8.021	SS	R1	N	1.6		1.5		1.9							5.0		6.5							F	Lanier Road
80	7.898	SS	L1	Y	1.5		1.1		1.4							4.0	12.0								F	Socrum Loop Road
81	7.640	SS	RR	Y	0.6		1.3									1.9	7.0			13.0					F	Banana Road
82	7.567	SS	L1	N	1.3		4.1									5.4	10.0								F	Brentwood Lane
83	7.187	SS	L1	N	1.5		3.1		2.0							6.6	15.0								F	Princeton Manor Lane
84	7.132	SS	R1	Y	0.9		3.7									4.6	9.5								F	Ritter Rd
85	7.034	ML	L2	N	0.8		1.7		2.4	0.5		1.0				6.4	7.0								F	
86	7.058	SS	L1	N	0.2		1.8									2.0		4.1							F	B Street
87	7.123	SS	L1	Y		2.0										2.0		12.0							F	D Street

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				Partial	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				PAVEMENT CONDITION	COMMENTS
					FC5	FC9.5	SP9.5	Armi	S	WC	S2	T1	FC3	BIND		LR	ABC-1	RAP	SAHM		DEPTH (IN.)	TYPE	CLASS	EXTENT		
88	6.788	SS	L1	N	0.5		1.4			2.9					4.8	10.0								P	Fox Lake Drive	
89	6.752	SS	L1	Y						1.0				0.7	1.7	11.0				0.0	1.7	C	III	S	P	Base crack
90	6.628	SS	R1	N		0.9	2.2						0.4	1.0	4.5	9.0								F	Duff Road, Base crack (bottom up)	
91	6.250	SS	R1	N	0.6		1.7			1.6					3.9	11.0				7.0				F	Mann Road	
92	6.123	SS	L1	N	1.4		2.3			6.3					10.0	2.0				0.0				F	Marcum Road	
93	5.874	SS	L1	Y	0.7		4.1								4.8	19.0				0.0				F	Norton Road	
94	5.784	ML	L3	Y		1.8	2.0								3.8	12.0					1.6	C	IB	L	P	
95	5.622	SS	RL	Y						1.0				1.3	2.3		4.1							F	W. Daughtery Road	
96	8.669	SS	R1	Y	1.1		2.5								3.6	8.0								F	W. Socrum Loop Road	
97	8.655	SS	L1	Y	1.2		3.3								4.5	14.0								F	Hall Road	
98	8.397	SS	R1	Y	1.0		3.8								4.8	12.0								F	W. Dees Road	
99	8.400	SS	L1	Y	1.9		4.0								5.9	14.0								P	W. Dees Road	
100	8.278	SS	L1	Y	1.0		2.7								3.7	15.0								F	W. Oak Drive	
101	8.225	SS	L1	Y	1.1		1.8			1.1					4.0	11.0				13.0				F	Thomas Road	
102	8.637	TL	RR	N	0.9		3.8								4.7	10.0								F	Additional core at core 65	
103	8.637	TL	RR	N	0.6		3.3								3.9	9.0				12.0				F	Additional core at core 65	
104	5.870	ML	L1	N		1.2				2.3					3.5	15.0								F		
105	8.586	ML	R1	Y	1.2		2.0	0.7	0.9						4.8	11.0								F		
106	5.654	ML	L3	Y		1.1				2.7					3.8	18.0								F		
AVERAGE					0.96	1.26	2.72	0.86	2.34	0.58	2.13	1.31	1.00	1.00	4.83	11.50	6.33	6.52	5.75	8.95	2.34					
MAX					1.90	2.00	12.60	1.50	10.10	0.80	2.90	2.00	1.30	1.00	16.40	20.00	8.40	12.00	6.00	16.00	5.20					
MIN					0.20	0.70	0.90	0.60	0.50	0.50	1.30	0.40	0.70	1.00	1.70	2.00	4.10	4.10	5.50	0.00	1.20					
LAYER COEF.					0.00	0.25	0.25	0.00	0.25	UNKW	0.25	0.23	0.17	0.20		0.18	0.14	UNKW	0.11	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.

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County:	Polk	SR No.:	35			Outside:		
Overall Pavement Condition (from DMO field review):		Fair		Median Curbed (Y/N):	Partial	Paved	Lawn	
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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
					FC5	FC9.5	SP9.5	Armi	S	WC	S2	T1	FC3	BIND		LR	ABC-1	RAP	SAHM		DEPTH (IN.)	TYPE	CLASS	EXTENT		

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	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