

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

Cored By: Intertek PSI

Coring Completion Date: 1/26/2024, 4/17/2024, 12/16/24

Typical Section: 1

W.P.I. No.:				Name: SR 600				Lanes: 2					
Fin. Proj. ID: 450876-1				From: S of S Blvd				Shoulder Type and Condition: Paved					
F.A. Project No.:				To: N of N Blvd				Inside: N					
County: Polk		Roadway ID: 16050000		SR No.: 600		Beg MP: 3.300		End MP: 4.264		Length: 0.964		Outside: Y	
Overall Pavement Condition (from DMO field review): Fair				Median Curbed (Y/N): N		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	
					FC12.5	FC9.5	SP12.5	SP9.5	BIND	S	WC						RAP	CONC		LR		DEPTH (IN.)	TYPE			CLASS
2	3.338	ML	R1	N	1.5			0.7	0.6						2.8		7.4			0.0					F	
4	3.467	ML	R1	Y		1.1		0.7							1.8		6.9				1.8	B	III	M	P	Base crack
5	3.545	ML	R1	N		1.2		0.7							1.9		7.7				1.9	B	III	M	F	Base crack
6	3.677	ML	R1	N		1.5		0.6							2.1		7.3				2.1	B	III	M	F	
8	3.869	ML	R1	N		1.5		1.0							2.5		6.8				2.5	B	III	M	F	Base crack
9	4.020	ML	R1	N		1.2		1.0							2.2		6.9				2.2	B	III	S	P	Base crack
10	4.171	ML	R1	Y		0.9		0.9							1.8		7.5				1.8	A	III	M	F	Metal sheeting in concrete
11	4.258	ML	R1	N		1.1		1.0							2.1		7.3		0.0		2.1	A	III	M	P	Metal sheeting in concrete
14	4.225	ML	L1	Y		1.3		1.4							2.7		6.8		0.0		2.7	B	III	S	F	
16	4.161	ML	L1	N		1.0		0.9							1.9		7.1				1.9	C	III	M	F	
17	4.129	ML	L1	N		1.0		0.8							1.8		7.2				1.8	B	III	S	P	Base crack
18	3.960	ML	L1	Y		0.9		0.9							1.8		7.1				1.8	B	III	S	P	Base crack
19	3.865	ML	L1	Y		0.9		0.7		2.5	0.4				4.5			10.0			4.5	A	II	S	P	
22	3.830	ML	L1	N		0.9		0.3		4.4					5.6			9.0							P	Bottom-up crack
23	3.652	ML	L1	N		1.0		0.5							1.5		7.4				1.5	B	III	M	P	Base crack
24	3.490	ML	L1	N		1.0		0.6							1.6		7.3				1.6	B	III	M	F	Base crack
27	3.343	ML	L1	Y	2.0		1.3								3.3		8.5		0.0		3.3	A	III	M	F	Possible edge of concrete, LR on other side
29	3.794	ML	L1	Y		0.8		2.0		1.6					4.4			8.5		12.0	4.4	A	III	S	P	Patches, Pot Holes, Base Crack
30	3.794	ML	L1	N		1.2		2.3		1.7					5.2			8.5		12.0	5.2	A	III	S	P	Patches, Pot Holes, Base Crack
31	3.784	ML	L1	Y		0.5		1.0		1.0	0.6				3.1			5.5		12.0	3.1	A	III	S	P	Patches, Pot Holes, Base Crack LR over Clay
32	3.784	ML	L1	N		0.9		1.8		1.3	0.4				4.4			6.0		12.0	4.4	A	III	S	P	Patches, Pot Holes, Base Crack LR over Clay
33	3.774	ML	NA	N		0.9				1.1					2.0			5.0		12.0					F	Turn out from CR 547
34	3.710	ML	R1	Y	1.2			0.8							2.0		UNK				2.0	B	II	M	F	
35	3.726	ML	R1	N																	UNK	B	II	L	F	Concrete encountered, core not extracted
36	3.742	ML	R1	Y																	UNK	B	II	L	F	Concrete encountered, core not extracted
38	3.761	ML	R1	Y	1.2			0.6							1.8		UNK								F	
39	3.769	ML	R1	Y	1.0			0.8							1.8		UNK				1.8	B	IB	L	F	
40	3.777	ML	R1	N																					F	Concrete encountered, core not extracted
41	3.855	ML	R1	Y	1.9			0.6							2.5		7.2				2.5	B	III	M	F	Metal Sheetting in concrete
42	3.861	ML	R1	Y																	UNK	B	II	M	F	Concrete encountered, core not extracted
43	3.867	ML	R1	Y	1.3			0.5							1.8		UNK				1.8	B	III	M	F	
44	3.885	ML	L1	N	1.7			3.2			1.5				6.4			8.0							F	
45	3.876	ML	L1	Y	1.3			4.9				0.6			6.8			7.0							F	DCP performed
46	3.869	ML	L1	N	1.0			2.7			1.8	0.4			5.9			8.0							F	DCP performed
47	3.768	ML	L1	N	0.8			1.0			2.5				4.3			8.0		4.3	B	III	M	P	DCP performed	
48	3.761	ML	L1	N	1.2			1.5			2.2				4.9			8.0		3.7	A	IB	M	P	DCP performed	
49	3.749	ML	L1	Y	1.1			1.8							2.9		UNK	8.8			2.9	B	III	M	P	Possible edge of concrete, LR on other side
50	3.735	ML	L1	Y																	UNK	B	III	S	P	Concrete encountered, core not extracted
54	3.685	ML	L1	N																	UNK	B	II	S	P	Concrete encountered, core not extracted

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Fin. Proj. ID: 450876-1				From: S of S Blvd				Shoulder Type and Condition: Paved					
F.A. Project No.:				To: N of N Blvd				Inside: N					
County: Polk		Roadway ID: 16050000		SR No.: 600		Beg MP: 3.300		End MP: 4.264		Length: 0.964		Outside: Y	
Overall Pavement Condition (from DMO field review): Fair				Median Curbed (Y/N): N		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		
					FC12.5	FC9.5	SP12.5	SP9.5	BIND	S	WC					RAP		CONC	LR	DEPTH (IN.)	TYPE			CLASS	EXTENT
<i>AVERAGE</i>					1.32	1.04	1.30	1.23	0.60	1.94	1.34	0.50		3.09		7.28	7.72		6.67	2.68					
<i>MAX</i>					2.00	1.50	1.30	4.90	0.60	4.40	2.50	0.60		6.80		8.50	10.00		12.00	5.20					
<i>MIN</i>					0.80	0.50	1.30	0.30	0.60	1.00	0.40	0.40		1.50		6.80	5.00		0.00	1.50					
<i>LAYER COEF.</i>					0.25	0.25	0.25	0.25	0.20	0.25	UNKW				UNKW	UNKW	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.
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
		S - Shoulder				
		SS - Side Street				
		BR - Bridge Approach/Departure				

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County: Polk				SR No.: 600				Beg MP: 3.300			
Overall Pavement Condition (from DMO field review): Fair				End MP: 4.264				Length: 0.964			
				Median Curbed (Y/N): N				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	
					FC12.5	FC9.5	SP12.5	SP9.5	BIND	S	WC						RAP	CONC		LR		DEPTH (IN.)	TYPE			CLASS
1	3.304	S	OR	N	1.5										1.5	4.8			0.0					F		
3	3.367	S	OR	N	1.6			0.6							2.2		7.1			2.2	B	III	M	F	Base crack	
12	4.263	S	OR	N		1.3									1.3		9.2			1.3	B	III	M	F		
13	4.257	S	OL	N		1.1		0.9							2.0		8.0		0.0					F		
15	4.172	S	OL	N		1.0									1.0		8.5			1.0	B	III	M	F	Base crack	
28	3.325	S	OL	N	1.5		1.5								3.0		15.0							F		
AVERAGE					1.53	1.13	1.50	0.75							1.83	4.80	8.20	15.00	0.00	1.50						
MAX					1.60	1.30	1.50	0.90							3.00	4.80	9.20	15.00	0.00	2.20						
MIN					1.50	1.00	1.50	0.60							1.00	4.80	7.10	15.00	0.00	1.00						
LAYER COEF.					0.25	0.25	0.25	0.25	0.20	0.25	UNKW				UNKW	UNKW	0.18		0.08							

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<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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				Lawn				Other:			
								Curb & Gutter (Y/N): Y			

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		
					FC12.5	FC9.5	SP12.5	SP9.5	BIND	S	WC						RAP	CONC		LR		DEPTH (IN.)	TYPE			CLASS	EXTENT
7	3.795	TL	RL	N		0.9		0.6							1.5		8.0			0.0					F	Metal sheeting in concrete	
20	3.846	TL	LL	N		1.0		1.3							2.3		7.8			0.0	2.3	B	III	M	P	Metal sheeting in concrete	
21	3.836	TL	LL	N		1.0		1.3							2.3		7.1				2.3	B	III	S	P	Metal sheeting in concrete	
25	3.405	TL	LL	N	1.8										1.8		7.4				1.8	B	III	M	P	Base crack	
26	3.392	TL	LL	N	1.5			0.4							1.9		6.9								F		
AVERAGE					1.65	0.97		0.90							1.96		7.44			0.00	2.13						
MAX					1.80	1.00		1.30							2.30		8.00			0.00	2.30						
MIN					1.50	0.90		0.40							1.50		6.90			0.00	1.80						
LAYER COEF.					0.25	0.25	0.25	0.25	0.20	0.25	UNKW					UNKW	UNKW	0.18		0.08							

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