

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

Cored By: **TEST LAB, INC.**

Coring Completion Date: **1/24/2025**

Typical Section: **1**

W.P.I. No.:		Name:	SR 539				Lanes:	4 Lane Urban Minor Arterial Roadway							
Fin. Proj. ID:	451470-1	From:	N. of Elliot St.				Shoulder Type and Condition:								
F.A. Project No.:		Roadway ID:	16004000				To:	N. of I-4							
County:	POLK	SR No.:	539		Beg MP:	2.210	End MP:	2.583	Length:	0.373	Inside:	NONE			
Overall Pavement Condition (from DMO field review):					Fair	Median Curbed (Y/N):	Y	Paved:	Y	Lawn:	Y	Other:		Curb & Gutter (Y/N):	Y

Mainline, Bridge, and Gore Cores (ML/BR/GO)

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	S							LR	CONC				DEPTH (IN.)	TYPE			CLASS
3	2.245	ML	R2	Y		0.8		1.0	2.1					3.9	17.1					2.5	B	II	M	F	
4	2.247	ML	L1	Y		0.8		1.0	1.9					3.7	12.0					2.7	A	III	S	F	
6	2.269	ML	R1	Y		1.0		1.0	2.0					4.0	16.0			12.0		2.6	C	II	S	P	
8	2.276	ML	R1	Y		1.3			2.6					3.9	14.6					1.6	C	III	S	F	Bottom-up crack.
9	2.284	ML	L2	Y		1.0		1.0	1.8					3.8	14.2					2.9	A	III	M	F	
11	2.306	ML	L1	Y		1.0		0.6	2.4					4.0	12.5					2.3	A	II	L	F	
12	2.317	ML	R2	Y		0.7		0.7	2.2					3.6	16.9					2.6	B	II	L	F	
14	2.329	ML	R1	Y		1.0		0.7	2.2					3.9	15.1					3.9	C	II	S	F	
15	2.331	ML	R2	Y		0.7		1.0	1.9					3.6	12.9			15.0		2.1	A	II	S	P	Bottom of core broke off.
16	2.341	ML	L2	Y		1.1		1.0	2.2					4.3	17.7					2.8	B	II	M	F	
17	2.345	GO	GO	N		1.2		0.5	2.9					4.6	12.4			14.0		2.3	B	II	L	F	
18	2.361	ML	L1	Y		0.9		0.7	2.0					3.6	11.4					3.4	A	III	S	P	
19	2.363	ML	L2	Y		1.0		0.7	2.1					3.8	14.3					1.0	A	III	S	P	Delamination.
20	2.365	ML	R2	Y		1.0		1.0	1.8					3.8	11.7					2.7	B	II	L	F	
21	2.365	ML	R1	Y		1.0			2.7					3.7	15.3					1.4	A	III	M	F	
22	2.370	ML	L1	Y		1.1		1.0	2.1					4.2	11.8			17.0		4.2	A	II	S	P	Delamination.
24	2.399	ML	L2	Y		1.0		0.6	2.1					3.7	15.3					3.3	C	III	M	F	
26	2.416	BR	RL	Y		1.8								1.8		UNK				1.8	B	IB	L	F	1st. Approach slab. Slippage.
27	2.417	BR	L1	Y				1.7						1.7		UNK				0.8	A	IB	L	F	Departure slab.
28	2.480	BR	R2	N		2.2								2.2		UNK								F	Departure slab.
29	2.482	BR	LL	N				1.2						1.2		UNK								F	1st. Approach slab.
31	2.497	ML	L1	Y		1.6		1.6						3.2	14.8									F	
32	2.499	ML	R1	Y		1.0		0.7	2.1					3.8	14.7					3.8	C	III	S	F	
35	2.537	ML	R2	Y		1.0		0.6	2.7					4.3	13.4					2.5	A	IB	L	F	
36	2.538	ML	L2	Y		0.7		1.1	2.0					3.8	14.0					2.2	B	IB	L	F	
37	2.539	ML	L1	Y		1.5		1.5	0.6					3.6	13.1					2.2	B	III	L	F	
39	2.553	ML	R1	Y		1.7		1.0	1.2					3.9	13.9					3.0	B	II	M	F	
40	2.565	ML	L2	Y		1.7		2.3	7.1					11.1	9.9					1.6	B	IB	M	F	
41	2.568	GO	GO	N		1.0		0.8	2.0					3.8	13.2					2.9	B	III	L	F	Separation below SP-layer.

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Typical Section: **1**

W.P.I. No.:		Name:	SR 539			Lanes:	4 Lane Urban Minor Arterial Roadway							
Fin. Proj. ID:	451470-1	From:	N. of Elliot St.			Shoulder Type and Condition:								
F.A. Project No.:		Roadway ID:	16004000			Inside:	NONE							
County:	POLK	SR No.:	539		Beg MP:	2.210	End MP:	2.583	Length:	0.373	Outside:	PAVED		
Overall Pavement Condition (from DMO field review):				Fair	Median Curbed (Y/N):	Y	Paved:	Y	Lawn:	Y	Other:		Curb & Gutter (Y/N):	Y

Mainline, Bridge, and Gore Cores (ML/BR/GO)

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	S								LR	CONC				DEPTH (IN.)	TYPE	CLASS			EXTENT
42	2.569	ML	R2	N	1.5		2.1								3.6	14.4					2.7	B	IB	L	F		
43	2.572	ML	L2	Y		1.2		1.7	2.1						5.0	12.0					18.5	3.3	C	III	S	P	
AVERAGE					1.71	0.99	1.70	0.87	2.27						3.84	13.87					15.30	2.54					
MAX					2.20	1.30	2.30	1.70	7.10						11.10	17.70					18.50	4.20					
MIN					1.50	0.70	1.00	0.50	0.60						1.20	9.90					12.00	0.80					
LAYER COEF.					0.25	0.25	0.25	0.25	0.25							0.18	0.20				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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F.A. Project No.:		Roadway ID:	16004000			To:	N. of I-4								
County:	POLK	SR No.:	539		Beg MP:	2.210	End MP:	2.583	Length:	0.373	Inside:	NONE	Outside:	PAVED	
Overall Pavement Condition (from DMO field review):					Fair	Median Curbed (Y/N):	Y	Paved:	Y	Lawn:	Y	Other:		Curb & Gutter (Y/N):	Y

Shoulder and 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	S									LR	CONC				DEPTH (IN.)	TYPE		
1	2.220	S	OR	N		1.0		1.0	2.1						4.1	12.4							F			
2	2.224	S	OL	N		0.7		1.0	2.3						4.0	12.0							F			
5	2.267	S	OL	N		1.0		0.8	2.3						4.1	12.9				3.4	B	III	L	F		
7	2.276	S	OR	N		0.7		0.8	2.6						4.1	16.4				2.8	B	III	S	F	Bike.	
10	2.293	TL	RR	N		1.2			2.8						4.0	17.0			12.0	4.0	B	III	S	F		
13	2.320	S	OL	N				2.0	2.7						4.7	21.8								F	Patch.	
23	2.394	S	OR	N		1.0		1.0	2.3						4.3	19.7				4.3	B	III	M	F	Separation at SP- and S-layers.	
25	2.403	TL	LL	Y		1.1		1.0	2.1						4.2	13.5			14.3	2.0	B	II	L	F	2nd.	
30	2.496	TL	RL	Y	1.4		1.6								3.0	14.5								F	1st.	
33	2.502	S	OL	N		1.3		2.0	2.2						5.5	6.0			18.5					F		
34	2.504	S	OR	N		0.9		0.7	2.4						4.0	16.7				4.0	B	III	L	F		
38	2.552	S	OL	N		1.0		1.0	2.5						4.5	15.3				2.6	B	III	M	F		
44	2.582	TL	LR	Y		1.0		0.8	2.2						4.0	13.0				2.4	A	IB	L	F		
45	2.582	S	OR	N		0.8		0.7	2.3						3.8	17.2			17.5					F		
AVERAGE					1.40	0.98	1.80	0.98	2.37						4.16	14.89			15.58	3.19						
MAX					1.40	1.30	2.00	2.00	2.80						5.50	21.80			18.50	4.30						
MIN					1.40	0.70	1.60	0.70	2.10						3.00	6.00			12.00	2.00						
LAYER COEF.					0.25	0.25	0.25	0.25	0.25							0.18	0.20			0.08						

Notes:

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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/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				
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Cored By: **TEST LAB, INC.**

Coring Completion Date: **1/24/2025**

Typical Section: **2: Ramps**

W.P.I. No.:		Name:	SR 539			Lanes:	4 Lane Urban Minor Arterial Roadway										
Fin. Proj. ID:	451470-1	From:	N. of Elliot St.			Shoulder Type and Condition:											
F.A. Project No.:		Roadway ID:	16004000			To:	N. of I-4										
County:	POLK	SR No.:	539			Beg MP:	2.210	End MP:	2.583	Length:	0.373	Inside:	NONE				
Overall Pavement Condition (from DMO field review):				Fair		Median Curbed (Y/N):	Y	Paved:	Y	Lawn:	Y	Other:		Outside:	PAVED	Curb & Gutter (Y/N):	Y

Ramp 16004000 - 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	SP12.5	SP9.5	S	S2						ABC-2	LR				DEPTH (IN.)	TYPE	CLASS	EXTENT		
46	2.369	ML	L1	N	0.8		2.9								3.7	12.5								F	060. EB Off. UP.	
47	2.369	S	OL	N	0.9		3.3								4.2	13.6								F	060. EB Off. Separation between SP & ABC-2 layers.	
48	2.369	S	IL	N	0.8		2.7								3.5	7.7								F	060. EB Off.	
49	2.369	ML	L1	Y	0.6		3.0								3.6	13.6								F	060. EB Off. Raveling.	
50	2.369	S	OL	N	0.9		1.4		2.0						4.3		9.2							F	060. EB Off.	
51	2.369	ML	L1	Y	0.9		2.0		3.4						6.3		17.2		12.5	1.5	C	III	M	F	060. EB Off.	
52	2.369	TL	LL	Y	1.1		1.7		2.7						5.5		13.8			1.9	B	IB	L	F	060. EB Off. 1st.	
53	2.369	TL	LL	Y	1.5		1.7		1.6						4.8		12.7							F	060. EB Off. 2nd.	
54	2.369	TL	LR	Y	1.1		2.0		1.9						5.0		12.0							F	060. EB Off.	
55	2.558	ML	L1	Y	1.0		1.5		2.8						5.3		12.2							F	061. WB On.	
56	2.558	ML	L1	Y	1.1		2.0		2.0						5.1		9.9			1.3	B	IB	L	F	061. WB On. 2nd.	
57	2.558	ML	L1	N	0.7		2.6		1.7						5.0		10.0							F	061. WB On. 1st.	
58	2.558	ML	L2	Y	1.1		2.0		2.1						5.2		13.3		16.0	3.2	C	III	M	F	061. WB On.	
59	2.558	ML	L1	Y	1.0		1.7		2.6						5.3		12.2			2.3	B	II	L	F	061. WB On.	
60	2.558	S	OL	N	1.5		1.0		0.9						3.4		12.1							F	061. WB On.	
61	2.558	S	OL	N	1.3		1.7								3.0		12.5							F	061. WB On.	
62	2.558	ML	L1	Y	1.0		2.6		8.9						12.5		5.5							P	061. WB On. Gouging.	
63	2.558	ML	L1	Y	1.3		2.9								4.2	15.0				2.5	A	IB	M	F	061. WB On. UP. Raveling.	
64	2.524	ML	R1	N	1.0		1.6			2.6					5.2		14.3			2.7	B	III	M	F	062. WB Off.	
65	2.524	S	OR	N	1.1		1.5		0.6						3.2		14.8							F	062. WB Off.	
66	2.524	ML	R1	Y	0.6		2.6		1.8						5.0		15.0		11.0	5.0	B	III	M	F	062. WB Off.	
67	2.524	S	IR	N	1.5		1.4		1.1						4.0		7.5							F	062. WB Off.	
68	2.524	S	OR	N	1.1		1.2		1.3						3.6		8.9							F	062. WB Off.	
69	2.524	ML	R1	N	1.3		2.0		2.0						5.3		12.5			1.3	B	III	M	F	062. WB Off.	
70	2.524	TL	RL	Y	0.8		4.7								5.5		12.5							F	062. WB Off. 1st.	
71	2.524	TL	RL	Y	0.7		3.9								4.6		12.7							F	062. WB Off. 2nd.	
72	2.524	TL	RR	Y	0.9		1.6		2.6						5.1		14.2							F	062. WB Off.	
73	2.346	TL	RR	Y		1.0		1.6	1.0						3.6		12.7			3.6	C	II	M	F	063. EB On.	
74	2.346	TL	RL	N		1.0		1.4	1.9						4.3		10.7			1.7	B	III	L	F	063. EB On. 1st.	
75	2.346	TL	RL	Y		0.8		1.0	1.9						3.7		13.3			1.7	A	II	S	P	063. EB On. 2nd.	

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Typical Section: **2: Ramps**

W.P.I. No.:		Name:	SR 539			Lanes:	4 Lane Urban Minor Arterial Roadway										
Fin. Proj. ID:	451470-1	From:	N. of Elliot St.			Shoulder Type and Condition:											
F.A. Project No.:		Roadway ID:	16004000			To:	N. of I-4										
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Overall Pavement Condition (from DMO field review):					Fair	Median Curbed (Y/N):	Y	Paved:	Y	Lawn:	Y	Other:		Outside:	PAVED	Curb & Gutter (Y/N):	Y

Ramp 16004000 - All Cores

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					FC5	FC9.5	SP12.5	SP9.5	S	S2								ABC-2		LR		DEPTH (IN.)	TYPE			CLASS
76	2.346	ML	R2	Y		1.0		1.0	2.1						4.1		15.9				2.1	B	II	M	F	063. EB On.
77	2.346	ML	R2	Y	1.1		2.1								3.2		14.8			12.5	3.2	C	III	M	P	063. EB On. Raveling.
78	2.346	ML	R1	N	1.3		1.1		1.2						3.6		12.9				3.6	B	III	M	F	063. EB On.
79	2.346	S	OR	N	1.1		1.5		0.6						3.2		7.8							F	063. EB On.	
80	2.346	S	OR	N	1.1		1.5		0.7						3.3		10.7							F	063. EB On.	
AVERAGE					1.04	0.95	2.11	1.25	2.06	2.60					4.58	12.48	12.12			13.00	2.54					
MAX					1.50	1.00	4.70	1.60	8.90	2.60					12.50	15.00	17.20			16.00	5.00					
MIN					0.60	0.80	1.00	1.00	0.60	2.60					3.00	7.70	5.50			11.00	1.30					
LAYER COEF.					0.00	0.25	0.25	0.25	0.25	0.25						0.16	0.18			0.08						

Notes:

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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/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
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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