

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

Cored By: RCS

Coring Completion Date: 6/22/2023

Typical Section: 1

W.P.I. No.:		Name:	SR 555 (US17)			Lanes:	
Fin. Proj. ID:	450875-1	From:	S of Avenue A SW			Shoulder Type and Condition:	
F.A. Project No.:		Roadway ID:	1603000			Inside:	NA
County:	Polk	SR No.:	555			Outside:	Paved
Overall Pavement Condition (from DMO field review):		Fair	Median Curbed (Y/N):	N	Paved	Lawn	Other:

Mainline and Bridge Cores (ML/BR)

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	FC12.5	SP9.5	S	BIND	WC	T1	SAHM	LR	ABC-2		SHEL	DEPTH (IN.)	TYPE		CLASS	EXTENT					
72	32.790	ML	L2	Y	0.8	0.0	1.6		1.3						3.7	9.3			12.0	3.7	C	III	S	P		
73	32.693	ML	L1	Y	0.9	0.0	1.6		1.2						3.7	10.7				3.7	C	II	M	F		
75	29.328	ML	R2	Y		1.3	1.9			0.4		2.1			5.7	8.6				5.7	C	III	S	P		
76	30.024	ML	R2	N		2.0	2.4								4.4		7.1		12.0	4.4	C	III	S	P	Base Crack	
77	30.889	ML	R1	Y	1.3	0.0	1.9	0.8		0.5					4.5	9.3			12.0	1.3	C	III	M	P		
78	32.209	ML	R2	Y	0.8	0.0	1.0			0.5					2.3	8.9				2.3	C	III	S	P		
79	32.044	BR	R2	Y		1.0	3.2								4.2	10.6								F	Approach Slab	
80	32.065	BR	R2	N		1.0	2.5								3.5	10.1								F	Departure Slab	
81	32.695	BR	R1	Y	0.9	0.0	2.0			0.8					3.7	9.8								F		
90	32.044	ML	L2	Y		2.0	2.2								4.2	10.3								F	Departure Slab	
AVERAGE					0.98	0.99	1.98	3.22	1.11	0.50	0.90	1.64			4.93	9.75	7.25		12.00	3.60						
MAX					1.30	2.30	3.40	13.20	1.70	0.80	1.00	2.10			18.30	11.70	7.40		12.00	7.30						
MIN					0.70	0.00	0.30	0.80	0.60	0.10	0.80	1.10			2.30	5.60	7.10		12.00	0.30						
LAYER COEF.					0.00	0.25	0.25	0.25	0.20	UNKW	0.23	0.11				0.18	0.16	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				

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

Cored By: RCS

Coring Completion Date: 6/22/2023

Typical Section: 1

W.P.I. No.:		Name:	SR 555 (US17)			Lanes:	
Fin. Proj. ID:	450875-1	From:	S of Avenue A SW			Shoulder Type and Condition:	
F.A. Project No.:		Roadway ID:	1603000			Inside:	NA
County:	Polk	SR No.:	555			Outside:	Paved
Overall Pavement Condition (from DMO field review):		Fair		Median Curbed (Y/N):	N	Paved	Lawn
				Other:		Curb & Gutter (Y/N):	

Side Street and Crossover Cores (SS/CO)

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	FC12.5	SP9.5	S	BIND	WC	T1	SAHM	LR	ABC-2		SHEL	DEPTH (IN.)	TYPE		CLASS	EXTENT					
39	32.133	CO	CO	N		1.4	1.6								3.0	12.1				12.0					F	
40	32.295	CO	CO	N	1.5	0.0	2.5		1.3						5.3	12.0									P	
41	32.641	CO	CO	N	0.7	0.0	2.8								3.5	7.0									P	
42	32.786	CO	CO	N	0.4	0.0	2.0		1.1						3.5	10.6									F	
43	29.129	SS	NA	N		1.1		0.6	1.6		1.4				4.7	10.9				12.0					F	T1 Layer found before BIND Layer
44	29.195	SS	NA	Y		1.6	0.9						2.5		5.0	9.2					5.0	C	III	M	P	
45	29.316	SS	NA	Y		1.6							0.8		2.4	10.9					2.4	C	III	M	P	
46	29.436	SS	NA	Y		1.1	1.0				0.7	1.3			4.1	9.5					4.1	C	III	S	P	
47	29.768	SS	NA	N		1.7		2.5							4.2		8.5				1.9	C	IB	L	F	
48	29.933	SS	NA	N		1.2		2.8							4.0		8.0				2.4	C	III	S	P	
49	30.043	SS	NA	N		1.9		3.1							5.0		6.2								F	Raveling
50	30.103	SS	NA	Y		2.0		2.3							4.3	16.4					3.0	C	III	M	P	
51	30.701	SS	NA	N		0.9	2.6								3.5	11.4									F	
82	30.713	SS	NA	N		1.3	1.3			0.7					3.3	11.8									F	
83	30.048	SS	NA	N		2.2	2.1								4.3	15.8				12.0	2.5	C	II	M	F	
84	29.940	SS	NA	Y		1.8	1.7								3.5	16.2									F	
85	29.439	SS	NA	N		1.4	0.6								2.0	9.4					2.0	C	III	M	P	
86	29.318	SS	NA	N		2.3	0.8								3.1	10.7									F	
87	29.298	SS	NA	N		1.2									1.2	8.5									F	
88	29.195	SS	NA	Y		1.2	0.6								1.8			9.5							F	bottom up crack base crack
89	29.132	SS	NA	N		2.7						1.5			4.2	11.1				12.0					F	
AVERAGE					0.87	1.36	1.58	2.26	1.33	0.70	1.05	1.53			3.61	11.38	7.57	9.50		12.00	2.91					
MAX					1.50	2.70	2.80	3.10	1.60	0.70	1.40	2.50			5.30	16.40	8.50	9.50		12.00	5.00					
MIN					0.40	0.00	0.60	0.60	1.10	0.70	0.70	0.80			1.20	7.00	6.20	9.50		12.00	1.90					
LAYER COEF.					0.00	0.25	0.25	0.25	0.20	UNKW	0.23	0.11				0.18	0.16	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.

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PAVEMENT EVALUATION CORING AND CONDITION DATA
 Coring Completion Date: 6/22/2023

Cored By: RCS

Typical Section: 1

W.P.I. No.:		Name:	SR 555 (US17)			Lanes:	
Fin. Proj. ID:	450875-1	From:	S of Avenue A SW			Shoulder Type and Condition:	
F.A. Project No.:		Roadway ID:	1603000			Inside:	NA
County:	Polk	SR No.:	555			Outside:	Paved
Overall Pavement Condition (from DMO field review):		Fair	Median Curbed (Y/N):	N	Paved	Lawn	Other:

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	
					FC5	FC12.5	SP9.5	S	BIND	WC	T1	SAHM	LR	ABC-2		SHEL	DEPTH (IN.)	TYPE		CLASS	EXTENT					
31	29.543	TL	C	N		1.5	1.4	1.5	1.6	0.3		1.4			7.7	8.6			12.0	7.7	C	III	S	P		
34	29.875	TL	C	N		1.5	0.7	1.4		0.5					4.1	10.9								F		
35	30.514	TL	C	N		1.6	2.3	1.0		0.4	1.2				6.5	9.8				6.5	C	II	M	P	LR toward L1 widening crack	
36	31.030	TL	C	N		1.5	2.5								4.0	6.2								F		
37	31.373	TL	C	Y		1.0	1.1		2.4						4.5	10.7				4.5	C	III	M	P	Limerock to center of lane widening crack	
52	30.587	TL	RL	Y		1.8	2.6								4.4	10.9			12.0	2.8	C	III	S	P		
53	30.666	TL	RL	Y		1.8	0.3		1.2						3.3	11.2				3.0	C	III	M	P		
54	30.813	TL	RL	N		1.4	0.8		2.1						4.3	10.5								F		
55	30.835	TL	RR	N		1.2	0.9	4.9							7.0	11.7			12.0						F	
56	30.940	TL	RR	N		1.3	1.0				4.2				6.5	10.6									F	
57	31.975	TL	RL	N		1.5	2.9								4.4	11.5									F	
58	32.113	TL	RL	N		1.4	2.6								4.0	10.5									F	
59	32.118	TL	RR	N		1.4	2.9								4.3	10.7			12.0						F	
60	32.614	TL	RL	N		4.3									4.3	11.5								G	New Pavement	
61	32.741	TL	RR	N		1.3	2.7								4.0	6.5				3.1	C	III	L	F		
62	32.763	TL	RL	N		0.7	2.1	2.2							5.0	10.0									F	
63	32.820	TL	RL	N		1.3	2.0		1.2						4.5	10.8									F	
64	32.797	TL	LL	N		0.9	1.6		1.5						4.0	10.8									F	
65	32.666	TL	LL	N		0.8	2.7								3.5	8.0									F	
66	32.530	TL	LL	N		0.0	4.5								4.5	17.0									G	
67	32.157	TL	LL	N		1.3	2.4								3.7	11.1									F	
68	32.004	TL	LL	N		1.2	2.5								3.7	10.8									F	
69	30.871	TL	LL	N		1.4	1.8								3.2	13.1				3.2	C	III	M	P	Possible Joint Crack	
70	30.626	TL	LR	Y		1.3	1.3								2.6	9.9				2.6	C	II	L	P	LR to outside widening crack	
71	30.515	TL	LR	N		1.6	1.0								2.6	9.8									F	
74	31.846	TL	C	Y	1.5	0.0	1.1		1.9						4.5	12.0			12.0	4.5	C	III	S	P	LR to LI widening crack	
AVERAGE					1.50	1.35	1.91	2.20	1.70	0.40	2.70	1.40			4.43	11.11	7.68		12.00	4.21						
MAX					1.50	4.30	4.50	4.90	2.40	0.50	4.20	1.40			7.70	17.00	10.00		12.00	7.70						
MIN					1.50	0.00	0.30	1.00	1.20	0.30	1.20	1.40			2.60	8.60	6.20		12.00	2.60						
LAYER COEF.					0.00	0.25	0.25	0.25	0.20	UNKW	0.23	0.11				0.18	0.16	0.18		0.08						

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PAVEMENT EVALUATION CORING AND CONDITION DATA

Cored By: RCS

Coring Completion Date: 6/22/2023

Typical Section: 1

W.P.I. No.:		Name:	SR 555 (US17)			Lanes:	4
Fin. Proj. ID:	450875-1	From:	S of Avenue A SW			Shoulder Type and Condition:	
F.A. Project No.:		Roadway ID:	16030201			Inside:	NA
County:	Polk	SR No.:	555			Outside:	Paved
Overall Pavement Condition (from DMO field review):		Fair	Median Curbed (Y/N):	N	Paved	Lawn	Other:
						Curb & Gutter (Y/N):	Y

16030201-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	
					FC12.5	SP9.5	T1	SAHM										LR					DEPTH (IN.)	TYPE			CLASS
1	0.435	ML	R1	Y	1.6	3.0		1.4							6.0	9.3					12.0					F	
33	0.472	TL	RL	N	1.5	0.4	2.3	4.0							8.2	8.7										F	
AVERAGE					1.55	1.70	2.30	2.70							7.10	9.00					12.00						
MAX					1.60	3.00	2.30	4.00							8.20	9.30					12.00						
MIN					1.50	0.40	2.30	1.40							6.00	8.70					12.00						
LAYER COEF.					0.25	0.25	0.23	0.11								0.18					0.08						

Notes:

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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				