

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

Typical Section: **4: SR 55 Ramps - 13130001, 002, 003, 004 & Memorial Hospital**

Cored By: Test Lab

Coring Completion Date: 8/11/2022

W.P.I. No.:		Name:	SR 55 (US 301/US 41)				Lanes:	1 - 2				
Fin. Proj. ID:	447379-1	From:	23rd Ave. W.				Shoulder Type and Condition:					
F.A. Project No.:		Roadway ID:	13130000 ⁷	To:	39 St. E.			Inside:	None			
County:	Manatee	SR No.:	55	Beg MP:	1.126	End MP:	6.013	Length:	4.887	Outside:	Paved	
Overall Pavement Condition (from DMO field review):				Fair	Median Curbed (Y/N):	N	Paved	Lawn	Other:		Curb & Gutter (Y/N):	N

Ramps: 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	
					FC3	FC5	FC12.5	FC9.5	SP9.5	S	T1	S2	WC	BIND		SHEL	LR	ABC-2	CONC		DEPTH (IN.)	TYPE	CLASS	EXTENT			
43	2.531	ML	R1	Y	1.0						1.4					2.4		7.1			38.5	2.4	B	III	S	P	Manatee Memorial Hospital Entrance Base Crack
45	2.531	ML	R1	Y			1.4				2.1					3.5		8.0								F	Manatee Memorial Hospital Entrance
75	3.878	ML	L1	Y				1.1	1.5						1.5	4.1		6.9				4.1	B	III	S	F	001 EB US 301/SR 43 On Ramp To NB SR 55/SR45/SR93, Base Crack
76	3.891	ML	R1	Y				1.3			1.6				1.4	4.3		7.2			9.0					F	003 NB SR 55/SR45/SR93 Off Ramp to US 301/SR 43
78	3.878	S	OL	N				1.5	1.5							3.0			2.8							F	001 EB US 301/SR 43 On Ramp To SB SR 55/SR45/SR93
79	3.891	ML	R2	Y				1.2				2.5			2.2	5.9		8.6								F	003 SR 55/SR45/SR93 Off Ramp to US 301/SR 43 Bottom Up Crack
80	3.878	ML	L1	N				1.2	1.7						1.9	4.8		7.2								P	001 EB US 301/SR 43 On Ramp To SB SR 55/SR45/SR93
81	3.891	ML	R1	Y				1.2			1.7	0.7			1.4	5.0		8.8				1.7	A	IB	M	F	003 NB SR 55/SR45/SR93 Off Ramp to US 301/SR 43
82	3.891	TL	RR	Y				0.9	3.6							4.5			4.3			2.0	A	IB	L	F	003 SR 55/SR45/SR93 Off Ramp to US 301/SR 43, RRTL (2nd)
83	3.891	ML	R2	Y				1.2			1.8	0.7			1.6	5.3	7.7									F	003 NB SR 55/SR45/SR93 Off Ramp to US 301/SR 43 Bottom Up Crack
84	3.878	S	OL	N				1.2	1.8							3.0			2.8							F	001 EB US 301/SR 43 On Ramp To SB SR 55/SR45/SR93
85	3.878	GO	GO	N				1.0			1.2				1.2	3.4		11.1								F	001 EB US 301/SR 43 On Ramp To SB SR 55/SR45/SR93
86	3.891	TL	RL	N			1.0								0.9	3.4		12.6								F	003 NB SR 55/SR45/SR93 Off Ramp to US 301/SR 43, RLTL
87	3.891	TL	RR	Y			1.5									3.5			7.5							F	003 NB SR 55/SR45/SR93 Off Ramp to US 301/SR 43, RLTL (2nd)

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Overall Pavement Condition (from DMO field review):				Fair	Median Curbed (Y/N):	N	Paved	Lawn	Other:		Curb & Gutter (Y/N):	N

Ramps: 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	
					FC3	FC5	FC12.5	FC9.5	SP9.5	S	T1	S2	WC	BIND		SHEL	LR	ABC-2	CONC		DEPTH (IN.)	TYPE	CLASS	EXTENT			
88	3.878	ML	L1	Y				1.1	2.6					1.2	4.9		10.1							F	001 EB US 301/SR 43 On Ramp To SB SR 55/SR45/SR93		
89	3.878	TL	LR	Y				1.0	1.0					1.8	3.8		8.7					1.0	A	IB	M	P	001 EB US 301/SR 43 On Ramp To SB SR 55/SR45/SR93 LRTL
90	3.891	TL	RR	Y				0.9	2.0					0.9	3.8		8.5								G	003 NB SR 55/SR45/SR93 Off Ramp to US 301/SR 43, RRTL (1st)	
91	3.891	GO	GO	N			1.7		1.4					1.8	4.9		10.4								G	003 NB SR 55/SR45/SR93 Off Ramp to US 301/SR 43	
100	4.170	TL	LL	Y				1.1	1.1		0.9				3.1				1.5						F	002 SB SR55/SR45/SR93 Off Ramp to US 301/SR 43. LLTL	
101	4.170	GO	GO	N				1.0	1.3		1.1	1.8		1.4	6.6		9.8								F	002 SB SR55/SR45/SR93 Off Ramp to US 301/SR 43	
102	4.170	TL	LR	Y				1.3	4.5		1.6	1.1		2.0	10.5		8.5								F	002 SB SR55/SR45/SR93 Off Ramp to US 301/SR 43, LRTL	
103	4.170	S	OL	N				1.3	1.4						2.7				4.9						F	002 SB SR55/SR45/SR93 Off Ramp to US 301/SR 43	
104	4.170	ML	L1	N				1.1			0.7		0.8		2.6		11.9								F	002 SB SR55/SR45/SR93 Off Ramp to US 301/SR 43	
105	4.201	S	OR	N				1.2	8.8						10.0	13.0									F	004 WB US 301/SR 43 On Ramp To NB SR 55/SR45/SR93	
106	4.201	TL	RR	Y				1.2	8.4						9.6	6.2									F	004 WB US 301/SR 43 On Ramp To NB SR 55/SR45/SR93, RRTL	
107	4.201	ML	R1	Y				1.9	2.1						4.0		9.5								F	004 WB US 301/SR 43 On Ramp To NB SR 55/SR45/SR93	
108	4.170	ML	L1	Y				1.0							1.0		10.8					1.0	B	IB	S	F	002 SB SR55/SR45/SR93 Off Ramp to US 301/SR 43 Base = 1/2 LR & 1/2 shell; widening crack
109	4.201	ML	R1	Y				1.4				2.1		1.3	4.8		8.2					4.8	B	III	S	P	004 WB US 301/SR 43 On Ramp To NB SR 55/SR45/SR93, Base Crack

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							Curb & Gutter (Y/N):	N	

Ramps: 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
					FC3	FC5	FC12.5	FC9.5	SP9.5	S	T1	S2	WC	BIND		SHEL	LR	ABC-2	CONC		DEPTH (IN.)	TYPE	CLASS	EXTENT		
111	4.170	S	OL	N				1.1							1.1		8.2							F	002 SB SR55/SR45/SR93 Off Ramp to US 301/SR 43	
113	4.201	S	OR	N				1.6							1.6		7.9			16.5				F	004 WB US 301/SR 43 On Ramp To NB SR 55/SR45/SR93	
114	4.201	ML	R1	Y				1.3					2.4	3.7		7.3								G	004, WB US 301/SR 43 On Ramp To NB SR 55/SR45/SR93Patch	
AVERAGE					1.00		1.40	1.20	2.68	1.58	1.47	1.28	0.80	1.56	4.35	8.95	8.96	3.97		21.33	2.43					
MAX					1.00		1.70	1.90	8.80	2.10	2.50	2.10	0.80	2.40	10.50	13.00	12.60	7.50		38.50	4.80					
MIN					1.00		1.00	0.90	1.00	1.20	0.70	0.70	0.80	0.90	1.00	6.15	6.90	1.50		9.00	1.00					
LAYER COEF.					0.17	0.00	0.25	0.25	0.25	0.25	0.23	0.25	UNKW	0.20		0.18	0.18	0.16	UNKW	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.
7. US 301/SR 43 ROADWAY ID:13130000 Interchange subsection numbers provided in the comments.

<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				