

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

Cored By: MADRID CPWG

Coring Completion Date: 4/19/2024; 5/29/2024

## Typical Section: 1

W.P.I. No.:			Name:	SR 683 (US 301)				Lanes:	4 Lane Urban Principle Arterial Roadway	
Fin. Proj. ID:	451017-1-32-01		From:	US 41				Shoulder Type and Condition:		
F.A. Project No.:		Roadway ID:	17120000		To:	S of 10th St				
County:	Sarasota	SR No.:	683		Beg MP:	0.000	End MP:	1.070	Length:	1.070
Overall Pavement Condition (from DMO field review):		Fair	Median Curbed (Y/N):	Y	Paved	Lawn	Other:	Curb & Gutter (Y/N): Y		

## Mainline Cores (ML)

CORE NO.	MILE POST <sup>2</sup>	LANE TYPE	LANE	WP (Y/N)	PAVEMENT LAYER (IN.)									TOTAL ASPHALT THICKNESS (IN.)	BASE						STABILIZED SUBGRADE <sup>3</sup>	CRACK				PAVEMENT CONDITION	COMMENTS
					FC12.5	FC9.5	SP12.5	SP9.5	S	S2	BIND					LR	ABC-2	SAHM	BRCK	SHEL		SCEM 300	CONC	DEPTH (IN.)	TYPE		
1	0.215	ML	R1	Y	1.3			1.2						2.5						6.0	N	2.5	B	III	S	P	
2	0.215	ML	R1	Y	2.0									2.0						6.5					P	Base crack	
3	0.395	ML	R1	Y	1.4			1.3						2.7						6.0		2.7	B	III	S	P	
4	0.107	ML	R2	N	1.5									1.5						10.0		1.5	B	III	S	F	
5	0.107	ML	R1	N	1.5			1.6						3.1								3.1	B	II	M	P	Limerock base, unable to verify depth
8	0.248	ML	R2	N	1.6			0.3						1.9						6.2	N	1.9	B	III	S	F	Transverse crack; base crack
9	0.248	ML	R1	Y	1.7			1.2						2.9						6.0		2.9	B	II	M	P	
11	0.248	ML	L2	N	1.4									1.4						6.0		1.4	B	III	S	P	
12	0.332	ML	R2	N	1.8									1.8						6.0	N	1.8	B	III	S	P	
13	0.332	ML	R1	Y	1.4			0.5						1.9						6.3		1.9	B	III	S	F	
15	0.332	ML	L1	Y	1.2			3.4						4.6				16.0				4.6	B	III	S	P	
16	0.411	ML	R2	N	1.8			0.5						2.3						6.5	N	2.3	B	III	S	P	Base crack
17	0.411	ML	R1	Y	1.5			1.5						3.0						5.0	5.0	3.0	B	III	S	P	Base crack
19	0.411	ML	L2	Y	1.2									1.2		6.0						4.0	B	III	S	P	Northside 1.5" asphalt, 5.3" concrete; SAHM = 15
20	0.455	ML	R1	Y	1.4			1.1			0.6			3.1			2.8	2.5			N	3.5	A	III	S	P	Asphalt Brick overlap; base half brick half shell
21	0.455	ML	R1	Y	1.5			2.0						3.5				9.0			3.3	3.5	A	III	S	P	
22	0.121	ML	L1	Y	1.0									1.0						6.5		1.0	B	III	S	P	
23	0.276	ML	L2	N	2.0									2.0						5.0	N	2.0	B	III	S	P	
25	0.013	ML	R1	Y	1.5			1.2			1.6			4.3	8.0						18.0					F	
26	0.170	ML	R1	Y	1.4			1.1						2.5						6.3		2.5	B	III	S	P	No subgrade; metal plate under concrete
27	0.371	ML	R1	N	1.1			1.3						2.4						6.2	N					P	
28	0.575	ML	R1	Y	1.3			2.1						3.4	10.0											P	
29	0.768	ML	R1	N	1.4			2.4						3.8	10.0							3.8	B	II	M	P	
30	0.939	ML	R1	N	1.3			2.1						3.4	9.0											P	
31	0.064	ML	R2	N	1.6			1.4			1.3			4.3	10.0											F	
32	0.294	ML	R2	N	1.3			0.2						1.5						6.3						P	4" HA Samples
33	0.444	ML	R2	Y	2.0						1.0			3.0			2.5									P	Asphalt brick base; bind fell apart
34	0.658	ML	R2	N	0.8			0.8			0.5			2.1	8.0						14.0					P	
35	0.844	ML	R2	Y	1.4			0.6						2.0	8.0						N					F	
36	1.019	ML	R2	N	1.5						1.5			3.0	12.0							3.0	B	II	M	F	
37	1.060	ML	L1	Y	1.8			1.2						3.0				6.3				3.0	A	II	M	F	Alligator cracking
38	0.884	ML	L1	N	1.4			1.0			0.9			3.3	8.0							3.3				F	
39	0.720	ML	L1	N	1.6		2.9							4.5		6.7										F	
40	0.515	ML	L1	N	1.4			1.5						2.9				11.0				2.9	A	II	M	F	Alligator cracking
41	0.344	ML	L1	Y	1.5			3.3						4.8				16.0		N		1.8	B	II	M	P	
42	0.136	ML	L1	N	1.2			4.3						5.5				14.0		N						P	
43	0.974	ML	L2	N	1.6			1.2			0.7			3.5	9.0					N						P	
44	0.795	ML	L2	Y	1.5			0.8						2.3	9.0											F	
45	0.619	ML	L2	N	1.4			0.9			0.5			2.8	9.0					N						F	
46	0.421	ML	L2	Y	1.7									1.7						7.0	N	1.7	B	III	S	P	7" of shell too; sample collected
47	0.239	ML	L2	N	1.5									1.5			0.5			6.0	N	1.5	B	III	S	P	
48	0.099	ML	L2	N	1.2			2.3			0.6			4.1	4.5											F	

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION

PAVEMENT EVALUATION CORING AND CONDITION DATA

Cored By: MADRID CPWG

Coring Completion Date: 4/19/2024; 5/29/2024

Typical Section: 1

W.P.I. No.:															Name:	SR 683 (US 301)								Lanes:	4 Lane Urban Principle Arterial Roadway						
Fin. Proj. ID:	451017-1-32-01														From:	US 41								Shoulder Type and Condition:							
F.A. Project No.:								Roadway ID:	17120000							To:	S of 10th St								Inside:						
County:	Sarasota							SR No.:	683							Beg MP:	0.000			End MP:	1.070			Length:	1.070		Outside:				
Overall Pavement Condition (from DMO field review): Fair															Median Curbed (Y/N):		Y		Paved		Lawn		Other:		Curb & Gutter (Y/N): Y						

Mainline Cores (ML)

CORE NO.	MILE POST <sup>2</sup>	LANE TYPE	LANE	WP (Y/N)	PAVEMENT LAYER (IN.)										TOTAL ASPHALT THICKNESS (IN.)	BASE							STABILIZED SUBGRADE <sup>3</sup>	CRACK				PAVEMENT CONDITION	COMMENTS	
					FC12.5	FC9.5	SP12.5	SP9.5	S	S2	BIND						LR	ABC-2	SAHM	BRCK	SHEL	SCEM 300		CONC	DEPTH (IN.)	TYPE	CLASS			EXTENT
92	0.104	ML	R2	Y	1.4										1.4									1.4	B	II	M	P	Wood in hole / No base depth due to the wood	
93	0.436	ML	R2	N	1.6						0.9				2.5				3.3				N	2.5	B	III	S	F	Asphalt Brick	
94	0.105	ML	R1	Y	1.6					1.4					3.0	11.0							5.0	3.0	B	II	M	P	Limerock with granite under sample collected	
95	0.160	ML	L1	N	1.2				0.7	1.6					3.5						6.0							P		
96	0.159	ML	L1	N	1.2				0.5	1.9					3.6						6.1							P	0.7 Flowable Fill Under	
97	0.200	ML	L1	N	1.0				0.5	2.4					3.9					14.0			18.0	3.9	B	III	S	P		
98	0.153	ML	L1	Y	1.0				1.3	3.1					5.4					13.0			13.0	2.8	B	IB	L	P		
99	0.143	ML	L1	Y	1.3				1.1	2.9					5.3					13.0			21.0	3.7	B	II	M	P		
100	0.133	ML	L1	Y	1.1				1.8						2.9							6.2						P		
101	0.124	ML	L1	Y	1.0				1.6	2.4					5.0					12.0								P		
102	0.122	ML	L1	N	1.2					1.1					2.3													P		
103	0.121	ML	L1	N	1.1					1.2					2.3													P		
AVERAGE					1.41			2.90	1.40	2.00		0.92			2.95	8.96	6.70	3.25				6.26	12.16	2.62						
MAX					2.00			2.90	4.30	3.10		1.60			5.50	12.00	6.70	6.00				10.00	21.00	4.60						
MIN					0.80			2.90	0.20	1.10		0.50			1.00	4.50	6.70	0.50				5.00	3.30	1.00						
LAYER COEF.					0.25	0.25	0.25	0.25	0.25	0.25	0.20					0.18	0.16	0.11				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.

<div>Lane Designations - Decreasing MP</div> <div>OL/IL - Outside/Inside Shoulder</div> <div>L1 - 1st Lane Left of Centerline</div> <div>LL/LR - Left/Right Turn Lane</div>	<div>Lane Designations - Increasing MP</div> <div>OR/IR - Outside/Inside Shoulder</div> <div>R1 - 1st Lane Right of Centerline</div> <div>RL/RR - Left/Right Turn Lane</div>	<div>Lane Type</div> <div>ML - Mainline</div> <div>TL - Turn Lane</div> <div>CO - Crossover</div>	<div>Crack Type</div> <div>A - Alligator</div> <div>B - Block</div> <div>C - Combination</div>	<div>Crack Rating</div> <div>Class IB - Hairline cracks that are ≤ 1/8 inch wide</div> <div>Class II - Cracks &gt; than 1/8 inch and ≤ 1/4 inch</div> <div>Class III - Cracks &gt; 1/4 inch</div>	<div>Extent</div> <div>L - Light</div> <div>M - Moderate</div> <div>S - Severe</div>	<div>Pavement Condition</div> <div>G - Good</div> <div>F - Fair</div> <div>P - Poor</div>
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Cored By: MADRID CPWG

Coring Completion Date: 4/19/2024; 5/29/2024

Typical Section: 1

W.P.I. No.:				Name:		SR 683 (US 301)				Lanes:		4 Lane Urban Principle Arterial Roadway									
Fin. Proj. ID:		451017-1-32-01		From:		US 41				Shoulder Type and Condition:											
F.A. Project No.:				Roadway ID:		17120000		To:		S of 10th St				Inside:							
County:		Sarasota		SR No.:		683		Beg MP:		0.000		End MP:		1.070		Length:		1.070		Outside:	
Overall Pavement Condition (from DMO field review):				Fair		Median Curbed (Y/N):		Y		Paved		Lawn		Other:		Curb & Gutter (Y/N):				Y	

Turn Lane Cores (TL)																													
CORE NO.	MILE POST <sup>2</sup>	LANE TYPE	LANE	WP (Y/N)	PAVEMENT LAYER (IN.)										TOTAL ASPHALT THICKNESS (IN.)	BASE							STABILIZED SUBGRADE <sup>3</sup>	CRACK				PAVEMENT CONDITION	COMMENTS
					FC12.5	FC9.5	SP12.5	SP9.5	S	S2	BIND					LR	ABC-2	SAHM	BRCK	SHEL	SCEM 300	CONC		DEPTH (IN.)	TYPE	CLASS	EXTENT		
6	0.107	TL	C	N	2.0			0.5						2.5						10.5		2.5	B	III	S	P			
7	0.107	TL	C	N	1.9			1.2		0.9				4.0						11.0	N	4.0	B	III	S	P	Limerock with granite under sample collected		
10	0.248	TL	C	N	2.0			1.0						3.0						6.5	N	3.0	B	III	S	P	Base crack		
14	0.332	TL	C	N	1.6			0.9						2.5						7.0		2.5	B	III	S	P			
18	0.411	TL	C	N	1.4			1.3						2.7						6.4	N					P	Base crack		
24	0.064	TL	LL	N	1.4		2.0				3.0			6.4	10.5						4.0	0.2				F			
49	0.053	TL	LL	N	1.4		1.8				1.9			5.1	10.5											F			
50	0.168	TL	RL	N	1.6			0.7						2.3						6.0	N					P			
51	0.203	TL	LL	N	1.6			3.1						4.7				16.0								P			
52	0.462	TL	RL	N	1.5			2.7			0.9			5.1			2.5									P	Bottom up crack; Asphalt brick base		
53	0.495	TL	LL	N	1.4			1.1						2.5	12.0											P			
54	0.521	TL	RL	N	1.7			1.3						3.0				11.5				3.0	B	II	M	P			
55	0.552	TL	LL	N	1.6			1.0			0.7			3.3	8.0											F	Middle Cracking		
56	0.679	TL	RL	Y	1.5						1.1			2.6	10.0											P			
57	0.727	TL	LR	Y	1.4			3.6						5.0		8.0										F			
58	0.741	TL	LL	Y	1.5			4.0						5.5	7.0											F			
59	0.826	TL	LL	N	1.5		2.0							3.5	10.5											F			
60	0.896	TL	RL	Y	1.5		0.9		1.2		1.1			4.7	10.0						8.0					F			
61	0.961	TL	LL	Y	1.1			2.1	2.7					5.9				15.0								F	Shell		
62	1.052	TL	RL	N	1.2		2.5		2.3					6.0				13.0			N					F			
AVERAGE					1.54		1.84	1.75	2.07	0.90	1.45			4.02	9.81	8.00				7.90	6.00	2.53							
MAX					2.00		2.50	4.00	2.70	0.90	3.00			6.40	12.00	8.00				11.00	8.00	4.00							
MIN					1.10		0.90	0.50	1.20	0.90	0.70			2.30	7.00	8.00				6.00	4.00	0.20							
LAYER COEF.					0.25	0.25	0.25	0.25	0.25	0.25	0.20				0.18	0.16	0.11			UNKW	0.08								

Notes:

- 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.
- Mile posts are approximate based on field recorded measurements using a Distance Measuring Instrument (DMI) or a GPS unit.
- Stabilization thickness was checked on 10% of the coring locations. For pavement design, assume 12 inches of thickness for stabilization.
- The cross slope is approximate and measured in the center of the lane.
- A blank cell indicates measurement was not recorded.
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Lane Designations - Decreasing MP	Lane Designations - Increasing MP	Lane Type	Crack Type	Crack Rating	Extent	Pavement Condition
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

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F.A. Project No.:						To:		S of 10th St										Inside:										
County:	Sarasota		Roadway ID:		17120000			Beg MP:		0.000			End MP:		1.070			Length:		1.070			Outside:					
Overall Pavement Condition (from DMO field review):					Fair					Median Curbed (Y/N):		Y		Paved		Lawn			Other:					Curb & Gutter (Y/N):		Y		

Side Street Cores (SS)																													
CORE NO.	MILE POST <sup>2</sup>	LANE TYPE	LANE	WP (Y/N)	PAVEMENT LAYER (IN.)										TOTAL ASPHALT THICKNESS (IN.)	BASE							STABILIZED SUBGRADE <sup>3</sup>	CRACK				PAVEMENT CONDITION	COMMENTS
					FC12.5	FC9.5	SP12.5	SP9.5	S	S2	BIND						LR	ABC-2	SAHM	BRCK	SHEL	SCEM 300		CONC	DEPTH (IN.)	TYPE	CLASS		
63	0.106	SS	SS	Y	1.6										1.6		1.4										F		
64	0.115	SS	SS	Y	1.1				1.1						2.2	3.0			2.8				N				F	Brick under asphalt	
65	0.188	SS	SS	Y	1.6		1.9								3.5				3.0				N				F		
66	0.188	SS	SS	Y	2.5										2.5						7.5						P		
67	0.272	SS	SS	Y		1.4		1.8							3.2				7.0				N				P	No brick	
68	0.272	SS	SS	Y	1.7				2.4						4.1	5.0							N				F		
69	0.354	SS	SS	Y	1.1										1.1		2.4										F		
70	0.354	SS	SS	Y	1.3				0.7						2.0	7.0							N				P		
71	0.406	SS	SS	Y	1.6				3.2						4.8				7.5								F		
72	0.398	SS	SS	Y	1.6				1.4						3.0	4.0							9.0				P		
73	0.443	SS	SS	Y	1.9										1.9					9.5						F	Base material, CC and brick		
74	0.478	SS	SS	Y	2.0										2.0			2.3					N			F	Asphalt brick base		
75	0.477	SS	SS	Y	1.5				3.1						4.6								10.0				F		
76	0.537	SS	SS	Y					3.0						3.0				13.5								P		
77	0.537	SS	SS	Y		0.7	1.4								2.1		1.4										P		
78	0.702	SS	SS	Y	1.6				2.4						4.0		7.1										P		
79	0.701	SS	SS	Y	2.1				1.9						4.0		6.6										P		
80	0.757	SS	SS	Y	1.6				1.2						2.8	5.0							N				P		
81	0.757	SS	SS	Y	2.3										2.3	7.5											F		
82	0.807	SS	SS	Y	2.0						0.5				2.5	9.0											F		
83	0.807	SS	SS	Y	1.8										1.8	6.5							9.0				P		
84	0.861	SS	SS	Y	1.5										1.5	8.0							7.0				P	Westside concrete 7", eastside limerock 8"	
85	0.860	SS	SS	Y	1.9										1.9	8.0							8.0				P		
86	0.928	SS	SS	Y	1.4										1.4	9.0							11.5	1.4	B	II	M	P	Westside concrete 11.5", eastside limerock 9"
87	0.927	SS	SS	Y	2.6						0.9				3.5	7.0											F		
88	0.987	SS	SS	Y					1.0						1.0	11.0							N				P		
89	0.987	SS	SS	Y	1.5						1.0				2.5	10.0											F		
90	1.041	SS	SS	Y					1.1		1.8				2.9	10.0											P	Bottom up crack	
91	1.041	SS	SS	Y	0.5				1.0		1.5				3.0	12.0								3.2	B	II	M	P	Base crack
AVERAGE					1.68	1.05	1.65	1.80	1.81		1.14				2.64	7.63	3.78					8.67	9.00	2.30					
MAX					2.60	1.40	1.90	1.80	3.20		1.80				4.80	12.00	7.10					11.50	10.00	3.20					
MIN					0.50	0.70	1.40	1.80	0.70		0.50				1.00	3.00	1.40					7.00	8.00	1.40					
LAYER COEF.					0.25	0.25	0.25	0.25	0.25	0.25	0.20					0.18	0.16	0.11				UNKW	0.08						

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Lane Designations - Decreasing MP	Lane Designations - Increasing MP	Lane Type	Crack Type	Crack Rating	Extent	Pavement Condition
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