

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

Cored By: MADRID CPWG

Coring Completion Date: 2/13/2024

Typical Section: 1

W.P.I. No.:				Name:		SR 789				Lanes:		2 Lane Urban Major Collector Roadway											
Fin. Proj. ID:		451013-1		From:		Longboat Club Rd				Shoulder Type and Condition:													
F.A. Project No.:				Roadway ID:		17030000 / 17030401		To:		Manatee County Line		Inside:											
County:		Sarasota		SR No.:		789		Beg MP:		3.870		End MP:		8.957		Length:		5.087		Outside:			
Overall Pavement Condition (from DMO field review):				Fair		Median Curbed (Y/N):		N		Paved		Lawn		Other:				Curb & Gutter (Y/N):		N			

Mainline and GORE Cores (ML/GO)																													
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
					FC9.5	SP9.5	ARMI	S	S2	BIND						LR	ABC-2	RAP	CONC	SHEL	SCEM 300	SAHM		DEPTH (IN.)	TYPE	CLASS	EXTENT		
1	3.952	GO	GO	N	1.0	1.6	0.6	3.7		1.1					8.0				8.0					8.0	B	III	S	P	
2	3.951	ML	R1	Y	1.0	1.2	0.4	5.7		1.1					9.4				11.0					9.4	B	III	S	P	20" R asphalt/9" asphalt; Base = SAHM/CONC
3	6.744	ML	R1	Y	1.0	1.6	0.5	5.9							9.0	11.0							9.0	B	III	S	P	Widening crack	
4	7.197	ML	R1	Y	1.1	1.3	0.7	1.1							4.2					8.0								F	
5	8.454	ML	R1	Y	1.0	1.5	0.6	0.4							3.5				8.6				21.0	3.5	B	III	S	P	
6	8.786	ML	R1	Y	1.1	1.6	0.5	2.8							6.0				8.5					6.0	B	III	M	P	
7	6.054	GO	GO	N	1.2	1.3	0.5	2.0		0.5					5.5				7.5					5.5	B	III	S	P	
8	6.784	GO	GO	N	1.2	1.9	0.6	1.0		1.6					6.3				7.0					6.3	B	III	S	P	
9	8.950	ML	L1	Y	1.1	1.3	0.5	0.7		0.6					4.2				8.0					4.2	B	II	S	P	Base = SAHM/CONC / Widening crack
10	8.752	ML	L1	Y	1.0	1.2	0.5	2.3		1.2					6.2				12.0					6.5	B	II	S	P	Longitudinal cracking measured in hole
11	8.112	ML	L1	Y	1.1	1.5	0.5			1.5					4.6				10.0			8.5	4.6	B	II	S	P		
12	6.550	ML	L1	Y	1.0	1.5	0.7	0.6							3.8						8.0		3.8	B	II	M	P		
15	4.013	ML	R1	Y	1.1	1.6	0.5	7.0							10.2				6.0									F	
16	5.687	ML	R1	Y	1.0	1.6	0.6	1.8		1.0					6.0				NA									P	Measured in hole, bottom fell apart
17	5.947	ML	R1	Y	0.8	1.3	0.9	1.0							4.0		8.2							6.0	B	II	S	F	
18	6.965	ML	R1	Y	1.1	1.1	0.6	2.0							4.8					7.0								F	
19	7.621	ML	R1	N	1.0	1.2	0.5	0.7		1.6					5.0				6.5					5.0	B	II	S	P	Base crack
20	7.992	ML	R1	N	0.7	1.1	0.5	0.7		1.0					4.0				7.0			2.0	4.0	B	III	S	F	Base crack	
21	5.795	ML	L1	Y	0.9	1.3	0.4	10.6							13.2							9.0		13.2	B	II	S	P	
22	5.187	ML	L1	N	1.3	1.1	0.7	0.8							3.9					10.0				3.9	B	III	S	F	Base = shell/ABC
23	6.095	ML	L1	N	0.8	1.2	1.0								3.0		9.5											F	
24	7.783	ML	L1	N	1.0	1.0	0.4	1.6		1.5					5.5				7.0					5.5	B	III	S	P	Base crack
25	7.133	ML	L1	N	0.9	1.3	0.6		2.0	1.7					6.5				6.2									F	
26	8.709	ML	L1	N	1.0	1.6	0.6								3.2						13.5			3.2	B	III	S	P	Base crack
27	8.238	ML	L1	Y	1.0	1.9	0.4	0.5		1.5					5.3				6.0					5.3	B	II	L	P	
70	6.744	ML	R1	N	1.1	1.3	0.6	1.5							4.5	9.0												P	Widening crack
71	6.744	ML	R1	N	1.0	1.3	0.5	9.6							12.4	2.0								2.5	B	III	M	P	Widening crack
72	8.950	ML	L1	N	1.1	1.3	0.5	1.6							4.5				8.1									P	Widening crack
73	8.950	ML	L1	N	1.1	1.3	0.6								3.0							11.7						P	Widening crack
AVERAGE					1.02	1.38	0.57	2.73	2.00	1.22					5.85	7.33	8.85				10.75		10.50	5.77					
MAX					1.30	1.90	1.00	10.60	2.00	1.70					13.20	11.00	9.50				13.50		21.00	13.20					
MIN					0.70	1.00	0.40	0.40	2.00	0.50					3.00	2.00	8.20				8.00		2.00	2.50					
LAYER COEF.					0.25	0.25	0.00	0.25	0.25	0.20						0.18	0.16	UNKW			0.15		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.
- A value of "UNK" indicates material was encountered but the total thickness was not determined.

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	S - Shoulder	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	SS - Side Street	B - Block	Class II - Cracks > than 1/8 inch and ≤ 1/4 inch	M - Moderate	F - Fair

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION

PAVEMENT EVALUATION CORING AND CONDITION DATA

Cored By: MADRID CPWG

Coring Completion Date: 2/13/2024

Typical Section: 1

W.P.I. No.:		Name: SR 789		Lanes: 2 Lane Urban Major Collector Roadway	
Fin. Proj. ID: 451013-1		From: Longboat Club Rd		Shoulder Type and Condition:	
F.A. Project No.:		Roadway ID: 17030000 / 17030401		To: Manatee County Line	
County: Sarasota		SR No.: 789		Beg MP: 3.870	
		End MP: 8.957		Length: 5.087	
				Inside:	
				Outside:	
Overall Pavement Condition (from DMO field review): Fair		Median Curbed (Y/N): N		Paved	
		Lawn		Other:	
				Curb & Gutter (Y/N): N	

Mainline and GORE Cores (ML/GO)																											
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
					FC9.5	SP9.5	ARMI	S	S2	BIND						LR	ABC-2	RAP	CONC	SHEL		SCEM 300	SAHM	DEPTH (IN.)	TYPE		
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	

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Fin. Proj. ID:		451013-1		From:		Longboat Club Rd				Shoulder Type and Condition:													
F.A. Project No.:				Roadway ID:		17030000 / 17030401		To:		Manatee County Line													
County:		Sarasota		SR No.:		789		Beg MP:		3.870		End MP:		8.957		Length:		5.087		Inside:			
																				Outside:			
Overall Pavement Condition (from DMO field review):				Fair		Median Curbed (Y/N):		N		Paved		Lawn				Other:				Curb & Gutter (Y/N):		N	

Shoulder Cores (S)																													
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	
					FC9.5	SP9.5	ARMI	S	S2	BIND						LR	ABC-2	RAP	CONC	SHEL	SCEM 300		SAHM	DEPTH (IN.)	TYPE	CLASS			EXTENT
28	3.970	S	OL	N	1.2	1.0									2.2			6.3		6.0			12.0					F	
29	5.339	S	OR	N	1.1	1.3									2.4			5.8										F	
30	5.478	S	OR	N	1.1	1.6									2.7			5.9										F	
31	5.599	S	OL	N	1.2	0.9		0.9							3.0			6.0										F	
32	5.740	S	OR	N	1.1	1.1									2.2			6.3										F	
33	5.897	S	OL	N	1.3	0.9									2.2			6.0										F	
34	6.111	S	OR	N	0.9	1.3									2.2			4.9										F	
35	6.332	S	OR	N	1.1	1.3									2.4			6.6		4.0			12.0					F	
36	6.454	S	OL	N	1.5	1.9									3.4			5.1										F	
37	6.644	S	OR	N	1.2	2.1		2.7							6.0			4.9		6.0			8.0					F	
38	6.864	S	OL	N	1.3	1.7									3.0			7.0			6.0							F	
39	7.045	S	OR	N	1.0	2.3									3.3			5.0										F	
40	7.164	S	OL	N	1.1	1.0		5.9							8.0						6.0							F	
41	7.302	S	OR	N	1.5										1.5		1.5											F	
42	7.441	S	OL	N	1.3	1.5									2.8			5.2					10.0					F	
43	7.547	S	OR	N	1.0	2.4		2.6							6.0					8.0								F	
44	7.703	S	OL	N	0.9	1.1									2.0			5.0										F	
45	7.877	S	OR	N	1.0	1.3	0.9								3.2			4.8					21.0					F	
46	8.050	S	OL	N	0.7	1.9		4.5							7.1							7.0						F	
47	8.188	S	OR	N	0.8	2.2									3.0			5.0										F	
48	8.368	S	OR	N	1.0			2.0							3.0			4.4										F	
49	8.528	S	OL	N	1.3	1.5									2.8			5.2										F	
50	8.642	S	OR	N	1.2	1.8									3.0			4.5										F	
51	8.872	S	OL	N	1.1	1.7									2.8		2.6											F	
AVERAGE					1.12	1.54	0.90	3.10							3.34		2.05	5.47			6.00		12.60						
MAX					1.50	2.40	0.90	5.90							8.00		2.60	7.00			6.00		21.00						
MIN					0.70	0.90	0.90	0.90							1.50		1.50	4.40			6.00		8.00						
LAYER COEF.					0.25	0.25	0.00	0.25	0.25	0.20						0.18	0.16	UNKW			0.15		0.08						

Notes:

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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	S - Shoulder	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	SS - Side Street	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	BR - Bridge Approach/Departure	C - Combination	Class III - Cracks > 1/4 inch	S - Severe	P - Poor

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F.A. Project No.:		Roadway ID: 17030000 / 17030401		To: Manatee County Line			Inside:	
County: Sarasota		SR No.: 789		Beg MP: 3.870		End MP: 8.957	Length: 5.087	Outside:
Overall Pavement Condition (from DMO field review): Fair				Median Curbed (Y/N): N		Paved	Lawn	Other:
								Curb & Gutter (Y/N): N

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	
					FC9.5	SP9.5	ARMI	S	S2	BIND						LR	ABC-2	RAP	CONC	SHEL	SCEM 300	SAHM		DEPTH (IN.)	TYPE	CLASS	EXTENT			
14	8.566	TL	LL	N	0.8	1.4	0.4	0.9		1.0					4.5				5.5						4.5	B	II	S	P	Large longitudinal crack
52	4.050	TL	LL	N	1.1	1.3	0.5	4.5		1.2					8.6				5.7										F	
53	5.065	TL	RL	N	1.1	1.4	0.4	0.9		1.4					5.2				6.8										F	
54	5.333	TL	LL	Y	1.0	1.3	0.7								3.0				8.0					3.0	B	II	S	P		
55	5.433	TL	RL	N	1.1	1.2	0.5		2.0	1.6					6.4				6.6										F	
56	5.624	TL	RL	N	1.0	2.2	0.6	1.6		0.9					6.3				5.7					0.2	B	IB	L	F	Bottom up crack; base crack	
57	5.874	TL	RL	N	1.2	1.5	0.6		2.1	1.5					6.9				6.0					2.0	B	II	M	P	Bottom up crack; base crack	
58	6.025	TL	LL	N	1.0	0.9	0.6		1.5	2.0					6.0				8.0					6.0	B	II	S	P		
59	6.184	TL	RL	N	1.0	1.6	0.6		1.8	1.1					6.1				5.5			6.0	6.0	B	III	S	P	Base crack		
60	6.298	TL	RL	N	1.1	1.5	0.6	2.9		1.6					7.7				5.4			4.0	7.7	B	III	S	P	Base crack		
61	6.504	TL	LL	N	1.0	1.2	0.5	2.3							5.0				7.0					5.0	B	II	S	P		
62	6.590	TL	C	N	1.1	1.5	0.4	1.2	2.5	1.0					7.7				8.0			8.0							F	
63	6.727	TL	C	N	1.0	1.1	0.5		2.0	1.7					6.3				7.0										F	Concrete base
64	6.777	TL	LR	N	1.0	3.5		5.6							10.1					8.0									P	
65	6.913	TL	RR	N	1.1	4.9									6.0					6.0				2.5	B	II	L	P	Base = shell/ABC	
66	7.001	TL	RL	N	1.2	2.1	0.5		2.1	1.3					7.2				6.7										F	
67	7.154	TL	LL	N	1.2	1.3	0.5		1.8	1.3					6.1				8.8					6.1	B	III	S	P		
68	8.521	TL	RR	Y	1.1	1.5		7.9							10.5					8.0		22.0							F	
69	8.816	TL	C	N	1.1	1.4	0.6		2.5	1.7					7.3				6.0										F	
AVERAGE					1.06	1.73	0.53	3.09	2.03	1.38					6.68							10.00	4.30							
MAX					1.20	4.90	0.70	7.90	2.50	2.00					10.50							22.00	7.70							
MIN					0.80	0.90	0.40	0.90	1.50	0.90					3.00							4.00	0.20							
LAYER COEF.					0.25	0.25	0.00	0.25	0.25	0.20						0.18	0.16	UNKW			0.15		0.08							

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