

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

Cored By: Roberts Consulting Services

Date: 12/8/2020

Typical Section: 13010000

W.P.I. No.:		Name:	SR 45 (US 41)				Lanes:	3 lanes each direction with a center cross over						
Fin. Proj. ID:	444612-1	From:	Edwards Drive				Shoulder Type and Condition:	Curb and Gutter						
F.A. Project No.:		To:	Magellan Drive				Inside:	Curb and Gutter						
County:	Manatee	SR No.:	SR 45		Beg MP:	0.000	End MP:	2.035	Length:	2.035	Outside:	None		
Overall Pavement Condition (from DMO field review):					Fair	Median Curbed (Y/N):	N	Paved	X	Lawn	Other:		Curb & Gutter (Y/N):	Y

All Cores

CORE NO.	MILE POST ¹	LANE TYPE	LANE	WP (Y/N)	PAVEMENT LAYER (IN.)								TOTAL ASPHALT THICKNESS (IN.)	BASE				STABILIZED SUBGRADE ²	CRACK				PAVEMENT CONDITION	COMMENTS		
					FC12.5	FC9.5	FC5	FC3	S	SP1C	S	SAHM		BIND	LR	CONC	ABC-2		SHEL	DEPTH (IN.)	TYPE	CLASS			EXTENT	
1	0.010	ML	R3	Y		0.9					1.0	1.2			3.1	12.0					2.7	C	2	S	P	
2	0.010	ML	L3	Y		1.4							1.3		4.0	11.5					2.2	C	3	S	P	
3	0.040	ML	R3	Y			0.7						2.6		4.0	17.5					2.8	C	3	M	F	
4	0.707	ML	R3	Y			0.6						1.8		3.0	10.5					3.0	C	3	S	P	Base Crack
5	1.194	ML	R3	Y			0.9						1.6		3.9	11.5			12.5	---	---	---	---	F		
6	1.652	ML	R3	Y			1.1						1.8		4.5	11.0					---	---	---	---	F	
7	2.086	ML	R2	N			0.5						1.3		1.8				11.8	1.8	C	3	S	P	Bridge Approach slab	
8	2.086	ML	L2	N			0.9						1.1		2.0					---	---	---	---	F	Bridge Approach slab	
9	1.953	ML	L3	N			0.9							2.3		4.4	11.3				0.9	C	2	M	F	
10	1.288	ML	L3	Y			0.9							1.8		3.4	11.5				3.4	C	3	S	P	Base Crack
11	0.987	ML	L3	Y			0.8							2.5		4.5	12.3				4.5	C	3	S	P	Base Crack
12	0.392	ML	L3	Y			1.0							1.5		3.3	9.5			12.2	---	---	---	---	F	
13	0.070	ML	R2	N			0.7							2.5		4.1	8.2				3.0	C	2	M	P	Raveling
14	0.502	ML	R2	Y			1.0							2.3		4.5	7.5				---	---	---	---	F	Raveling
15	1.053	ML	R2	N			0.9							2.4		4.4	11.5				2.0	C	3	S	P	
16	1.851	ML	R2	N			0.9							2.6		5.1	7.4				5.1	C	3	S	P	Joint crack/Raveling/Base crack
17	1.830	ML	L2	Y			0.8							2.9		5.0	8.1				3.8	C	3	S	P	
18	1.417	ML	L2	N			1.0							3.0		5.0	8.4				5.0	C	3	S	P	Base Crack
19	0.605	ML	L2	N			0.8							2.3		4.5	9.0				---	---	---	---	F	
20	0.308	ML	L2	Y			0.9							2.8		4.7	10.2				2.4	C	3	S	P	
21	0.285	ML	R1	N			1.0					0.6		3.1		4.7	12.8			11.5	4.7	C	3	S	P	Base crack
22	0.705	ML	R1	N			1.1							2.9		5.5	8.6				2.1	C	3	S	P	Raveling
23	1.104	ML	R1	Y			0.8							3.7		4.5					---	---	---	---	P	

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Fin. Proj. ID: 444612-1				From: Edwards Drive		Shoulder Type and Condition: Curb and Gutter	
F.A. Project No.:				To: Magellan Drive		Inside: Curb and Gutter	
County: Manatee		SR No.: SR 45		Beg MP: 0.000	End MP: 2.035	Length: 2.035	Outside: None
Overall Pavement Condition (from DMO field review): Fair			Median Curbed (Y/N): N	Paved X	Lawn	Other:	Curb & Gutter (Y/N): Y

All Cores

CORE NO.	MILE POST ¹	LANE TYPE	LANE	WP (Y/N)	PAVEMENT LAYER (IN.)								TOTAL ASPHALT THICKNESS (IN.)	BASE				STABILIZED SUBGRADE ²	CRACK				PAVEMENT CONDITION	COMMENTS	
					FC12.5	FC9.5	FC5	FC3	S	SP1C	S	SAHM		BIND	LR	CONC	ABC-2		SHEL	DEPTH (IN.)	TYPE	CLASS			EXTENT
24	1.810	ML	R1	Y			0.8			3.4				4.2			3.1			---	---	---	---	P	Raveling
25	2.011	ML	L1	Y			0.9			1.3	4.4			6.6				8.3	11.7	---	---	---	---	F	
26	1.459	ML	L1	Y			0.9			2.1	4.5			7.5	10.1					---	---	---	---	P	Raveling, BOT of core broke of during extraction
27	0.835	ML	L1	Y			0.8			1.8	1.6			5.1	9.8					5.1	C	3	S	P	
28	0.200	ML	L1	N			0.9			2.2	0.4			3.5			5.3			2.3	C	3	S	P	
29	1.480	ML	R2	N			1.1			1.9	0.6		1.7	5.3	7.8					5.3	C	3	S	P	Joint crack/Raveling/Base crack
30	0.542	TL/CO	R1	Y			1.1			1.7	1.7			4.5			3.0			---	---	---	---	F	
31	0.563	SS	R1	N			1.0			1.5				2.5	11.0					---	---	---	---	F	Braden Ave
32	0.646	SS	R1	N			0.5			2.0				2.5				12.0		---	---	---	---	F	Hernando Ave
33	0.736	SS	R1	N			0.9			3.1				4.0				11.8		---	---	---	---	F	Suwanee Ave
34	0.835	SS	R1	N			1.0			1.8	0.8			3.6	13.5					---	---	---	---	F	Pinehurst St, Raveling
35	1.253	SS	L1	Y			0.8			1.7			0.8	3.3	12.2					---	---	---	---	F	Ponce de Leon, Raveling
36	1.357	TL/CO	R1	Y			1.1			1.4	1.5			4.0			4.1		12.7	---	---	---	---	F	
37	1.378	SS	L1	N				0.5	3.2					3.7	6.5					3.7	C	3	M	P	Tallevast St
38	1.550	TL/CO	R1	Y			0.4			2.2	2.5			5.1			3.5			---	---	---	---	P	Raveling Completely
39	1.570	SS	R1	N				0.8	0.8				1.3	2.9	9.5					---	---	---	---	F	69th Ave
40	1.720	TL/CO	R1	Y			1.0			2.3				3.3			5.8			0.5	C	3	S	P	
41	1.730	SS	L1	N			2.0							2.0	10.2					---	---	---	---	G	Pearl St, Left turn lane
42	1.881	SS	R1	N			0.7		3.5					4.2	9.8					4.2	C	3	M	F	Montgomery Ave, Raveling
43	1.950	TL/CO	R1	Y			0.8			1.6	3.4			5.8				14.8		3.2	C	3	M	F	
44	2.036	TL/CO	R1	N			1.0			1.5	5.1			7.6				12.5		---	---	---	---	F	
45	2.058	SS	R1	N				0.5	3.4					3.9	10.1					---	---	---	---	F	Magellan Dr, Raveling
46	2.069	TL/CO	L1	N			0.6			2.0	3.7			6.3				17.0	12.3	---	---	---	---	F	

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F.A. Project No.:		To: Magellan Drive		Inside: Curb and Gutter	
County: Manatee	SR No.: SR 45	Beg MP: 0.000	End MP: 2.035	Length: 2.035	Outside: None
Overall Pavement Condition (from DMO field review): Fair		Median Curbed (Y/N): N	Paved X	Lawn	Other:
					Curb & Gutter (Y/N): Y

All Cores

CORE NO.	MILE POST ¹	LANE TYPE	LANE	WP (Y/N)	PAVEMENT LAYER (IN.)								TOTAL ASPHALT THICKNESS (IN.)	BASE				STABILIZED SUBGRADE ²	CRACK				PAVEMENT CONDITION	COMMENTS	
					FC12.5	FC9.5	FC5	FC3	S	SP1C	S	SAHM		BIND	LR	CONC	ABC-2		SHEL	DEPTH (IN.)	TYPE	CLASS			EXTENT
47	1.982	TL/CO	L1	N			0.9			1.9	4.2			7.0				18.0		---	---	---	---	F	
48	1.883	TL/CO	L1	N			0.9			2.1	1.8		2.6	6.4				12.5		0.8	C	2	M	F	
49	1.751	TL/CO	L1	N			1.0			3.1				4.1			4.7		2.2	C	3	M	P		
50	1.730	SS	R1	N		1.4				1.4				2.8	11.0					---	---	---	---	F	Pearl st (west)
51	1.590	TL/CO	L1	Y			0.9		3.6					4.5			4.2			---	---	---	---	F	
52	1.570	SS	R1	N			1.0			1.7		1.2		3.9	9.4					3.9	C	3	M	P	Whitfield (west), Raveling
53	1.399	TL/CO	L1	Y			0.8			1.6	1.3			3.7			6.8			---	---	---	---	P	
54	1.378	SS	R1	Y			0.8			2.3		1.4		4.5	9.5					---	---	---	---	F	Gaines (west) top of core damaged retrieving
55	1.104	SS	L1	N			0.9			1.3			2.7	4.9	12.8			11.2		---	---	---	---	F	Westmoreland (west)
56	1.083	SS	R1	N				0.8	1.9					2.7	11.5					---	---	---	---	F	Westmoreland (west)
57	1.023	SS	L1	N			2.5		1.5					4.0	9.7					---	---	---	---	F	Scott Ave (west), Raveling
58	0.935	SS	R1	N			0.8			1.5			0.7	3.0	9.5					---	---	---	---	F	Benard Ave (west)
59	0.835	SS	L1	N			1.0			2.6				3.6	10.2					---	---	---	---	F	Somerset (west), Raveling
60	0.736	SS	L1	N			0.9			1.7			1.7	4.3	9.3					2.6	C	3	S	P	Suwanee Ave (west), Raveling
61	0.646	SS	L1	Y			0.9			2.0			1.0	3.9	9.5					---	---	---	---	P	Hernando (west), Raveling
62	0.585	TL/CO	L1	N			0.8			1.9	0.8		2.0	5.5	9.0					5.5	C	3	S	P	Base Crack
63	0.563	SS	L1	N			0.9			1.9	2.5			5.3			10.3			---	---	---	---	F	Braden Ave
64	0.329	TL/CO	L3	N			0.6			1.8	7.4			9.8	13.5					---	---	---	---	F	
65	0.246	TL/CO	L3	Y			0.9		3.7					4.6						---	---	---	---	F	
66	0.170	TL/CO	L3	Y			1.0			3.0	1.3			5.3			10.3			---	---	---	---	F	
67	0.150	SS	L1	N			0.6			1.3	2.0			3.9			10.6			---	---	---	---	F	Seagate, Raveling
68	0.000	SS	L1	Y			1.2		2.9					4.1	12.0					---	---	---	---	F	Edwards Dr., Core sheared off and broke apart
69	0.090	TL/CO	L1	Y			0.8			1.2	1.9			3.9			4.6			---	---	---	---	F	

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F.A. Project No.:		To: Magellan Drive		Inside: Curb and Gutter	
County: Manatee	SR No.: SR 45	Beg MP: 0.000	End MP: 2.035	Length: 2.035	Outside: None
Overall Pavement Condition (from DMO field review): Fair		Median Curbed (Y/N): N	Paved X	Lawn	Other:
				Curb & Gutter (Y/N): Y	

All Cores

CORE NO.	MILE POST ¹	LANE TYPE	LANE	WP (Y/N)	PAVEMENT LAYER (IN.)								TOTAL ASPHALT THICKNESS (IN.)	BASE				STABILIZED SUBGRADE ²	CRACK				PAVEMENT CONDITION	COMMENTS	
					FC12.5	FC9.5	FC5	FC3	S	SP1C	S	SAHM		BIND	LR	CONC	ABC-2		SHEL	DEPTH (IN.)	TYPE	CLASS			EXTENT
70	0.374	TL/CO	L1	N			1.1		2.4					3.5			4.1		12.5	---	---	---	---	F	
71	0.987	TL/CO	L1	N			1.1			2.0	1.0			4.1			4.5			1.1	C	3	M	P	
72	1.650	TL/CO	L1	Y			0.9			1.5	2.3			4.7			5.8			---	---	---	---	F	
73	1.881	TL/CO	L1	N			1.5			1.5	1.1		1.7	5.8		7.7			---	---	---	---	F	Concrete Base	
74	1.962	TL/CO	L1	N			0.9			1.6	3.0			5.5				17.0	---	---	---	---	F		
75	2.058	TL/CO	L1	N			0.3			1.5	3.7			5.5				17.5	---	---	---	---	F		
76	1.991	ML	R1	N			0.8			1.8	0.9		1.5	5.0				9.0	2.4	C	3	M	P	Raveling	
77	1.880	ML	L3	Y			0.9			2.4			1.0	4.3	12.0				4.3	C	3	S	P	Base Crack	
78	0.150	S	OR	N			1.0			1.5			1.4	3.9	13.3				---	---	---	---	F		
79	0.510	S	OL	N			1.0			1.4			1.5	3.9	12.0				---	---	---	---	F		
80	1.194	S	OR	N			1.0			1.5			1.4	4.1	11.3				---	---	---	---	F		
81	1.760	S	OL	N			1.1			1.2	1.1			3.4	11.5				---	---	---	---	F		
AVERAGE						1.4	0.9	0.7	2.7	2.0	2.3	1.3	1.3	4.38	10.56	7.70	5.32	13.39	12.04	3.11		2.87			
MAX						2.0	2.5	0.8	3.7	3.7	7.4	1.4	2.7	9.75	17.50	7.70	10.60	18.00	12.70	5.50		3.00			
MIN						0.9	0.3	0.5	0.8	1.0	0.4	1.2	0.6	1.75	6.50	7.70	3.00	8.30	11.20	0.50		2.00			
LAYER COEF.						0.25	0.25	0.00	0.17	0.25	0.25	0.25	0.11	0.20	0.18	UNKW	0.16	0.18	0.08						

- Notes:
1. Mile posts are approximate based on field recorded measurements using a Distance Measuring Instrument (DMI).
 2. Stabilization thickness was checked on 10% of the coring locations. For pavement design assume 12 inches of thickness for stabilization.
 3. The cross slope is measured in the center of the lane.
 4. A blank cell indicates measurement was not recorded.

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County: Manatee	SR No.: SR 45	Beg MP: 0.000	End MP: 2.035	Length: 2.035	Outside: None
Overall Pavement Condition (from DMO field review): Fair		Median Curbed (Y/N): N	Paved X	Lawn	Other:
				Curb & Gutter (Y/N): Y	

All Cores

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					FC12.5	FC9.5	FC5	FC3	S	SP1C	S	SAHM		BIND	LR	CONC	ABC-2		SHEL	DEPTH (IN.)	TYPE	CLASS			EXTENT
				<u>Lane Designations</u>				<u>Crack Type</u>				<u>Crack Rating</u>				<u>Extent</u>		<u>Pavement Condition</u>		<u>Lane Type</u>					
				OL - Outside Left Shoulder L1 - 1st Lane Left of Centerline				OR - Outside Right Shoulder R1 - 1st Lane Right of Centerline				A - Alligator B - Block C - Combination				Class IB - Hairline cracks that are ≤ 1/8 inch wide Class II - Cracks > than 1/8 inch and ≤ 1/4 inch Class III - Cracks > 1/4 inch				L - Light M - Moderate S - Severe		G - Good F - Fair P - Poor		S - Shoulder SS - Side Street	