



Florida Department of
TRANSPORTATION

Pavement Survey and Evaluation Report

**State Road 45 (US 41)
Manatee County**

Financial Project Number 444612-1
Milepost 0.000 to 2.095

District 1 & 7 Materials

Authors

Marlene Hebert
Taylor F. Smith, PE

Date of Report

May 1, 2024

**PAVEMENT SURVEY AND EVALUATION REPORT
 SR 45 (US 41) FROM EDWARDS DRIVE TO MAGELLAN DRIVE**

INTRODUCTION

In response to your request, the District Materials Office conducted a pavement survey and evaluation on SR 45 (US 41) in Manatee County for the subject project, with current letting date in Project Suite Enterprise Edition of November 5, 2025. We understand this project includes milling and resurfacing from Edwards Drive to Magellan Drive.

The objective of this work was to identify the existing pavement composition, assess the pavement conditions, and to make recommendations for the milling depth and resurfacing plan. This work involves a field review, pavement coring, data analysis, and reporting.

FIELD REVIEW

The objective of the field review is to gain a good understanding of the overall pavement condition, and to help determine the layout of the core locations. This review was performed on February 20, 2024, by our asphalt field specialist Anthony Brown, Materials Pavement Assessment Specialist with Madrid Engineering Group, Inc. The results of this review are included in Appendix 1.

Typical Section

The typical section consists of a six-lane divided asphalt pavement structure with paved shoulders/bike lane, turn lanes and curb & gutter.

Pavement Condition

The pavement has open-graded friction course. The overall condition of the pavement is fair with light to moderate cracking, minimal rutting, and severe raveling. Due to the severe raveling, sections of the roadway have been repaired in multiple locations through the installation of patches.

The 2024 Pavement Condition Survey was performed by the State Materials Office and the results are included in the table below.

Roadway ID	Mile Post	Age	Posted Speed	AADT	% Trucks	LEFT ROADWAY			RIGHT ROADWAY		
						Crack	Ride	Rut	Crack	Ride	Rut
13010000	0.000 – 2.094	20	50	38500	3.00	4.5	7.4	9.0	4.5	7.4	8.0

CORING INFORMATION

The pavement coring was performed on December 8, 2020 by Roberts Consulting, Inc. and March 21, 2024 by Ardaman Engineering, Inc. according to Section 3.2 of the Materials Manual- *Flexible Pavement Coring and Evaluation*.

A total of ninety-three (93) cores were extracted, forty-three (43) from the mainline, four (4) cores from the shoulders/bike lanes, twenty-three (23) cores from the turn lanes, and twenty-three (23) from the side streets. The core layout and the coring data, including cross slope and the type of base materials, are presented in Appendix 2. Pictures of core samples and locations are presented in Appendix 3.

REHABILITATION RECOMMENDATIONS

For the following recommended milling depths, each lane was evaluated individually. Considerations included crack removal targets, scabbing concerns, design speeds and friction type to be resurfaced. Below are the most suitable milling recommendations based on the conditions mentioned above to develop a pavement design for this project.

MAINLINE R1, R2, R3, BIKE LANE, AND TURN LANES

- Mill 3.50 inches
- Resurface with 2.00 inches of SP-12.5 and 1.50 inches of FC-12.5.

MAINLINE L1, AND L2,

- Mill 4.00 inches
- Resurface with 2.50 inches of SP-12.5 and 1.50 inches of FC-12.5.

MAINLINE L3 AND BIKE LANE

- Mill 4.50 inches
- Resurface with 3.00 inches of SP-12.5 and 1.50 inches of FC-12.5.

Appendix 4 provides an illustration of the milling and resurfacing recommendations.

COMMENTS AND GENERAL NOTES

In addition to the recommendations made within this report, the following items should be considered when preparing the contract documents for the subject project:

Notes to the Designer

1. Due to the variable asphalt pavement thickness, and the frequency in which the preliminary pavement cores were taken, isolated areas of the base may be exposed. Areas of exposed base material should be cared in accordance with FDOT specification prior to the application of the bituminous material.
2. Milling may need to be adjusted at the beginning and end of the project, side streets, bridge deck, approach/departure slabs or areas in which constraints dictate. Appropriate plan details need to be illustrated in the plans in accordance with the FDOT Flexible Pavement Design Manual (FPDM).

**STATE ROAD 45 (US 41)
FINANCIAL PROJECT No. 444612-1
HIGHWAY SECTION 13010000
MP 0.000 TO MP 2.095**

If the recommendations in this report are not used within three years, please contact this office as the milling depth/proposed pavement structure may increase.

The identification of the different pavement layers is based on visual classification as well as familiarity with the site. The actual classification may be different due to variability in asphalt mixes and roadway construction. The information in this report is based on the conditions specific only at the locations cored at the time of the investigation. The Engineer shall notify the District Materials Office if the work proposed for the project changes and/or existing conditions change prior to the letting of the project. This report is based on the understanding that the project will be designed and constructed in accordance with Department standards and requirements unless stated otherwise within this report.

Please contact this office if additional service is required or if there are any questions regarding this report at D1-D7Pavement@dot.state.fl.us



Marlene Hebert
District Materials Pavement Coordinator



Taylor F. Smith, PE 88746
District Pavement Evaluations Engineer

APPENDIX

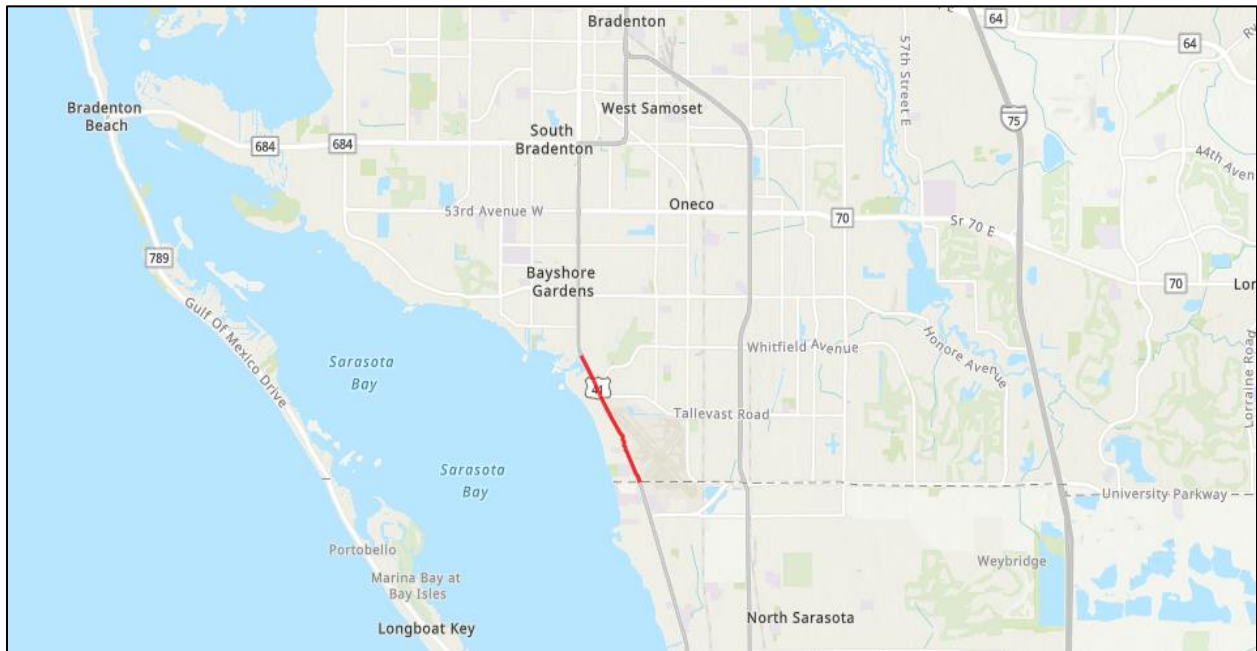
- 1. Location Map and Field Review Findings**
- 2. Core Data and Layout**
- 3. Core Sample and Location Pictures**
- 4. Illustration of Milling and Resurfacing Recommendations**
- 5. Pavement Survey Request**

APPENDIX 1

Location Map and Field Review Findings

Location Map

444612-1 / Manatee County
SR 45 (US 41)
13010000 MP 0.000 – 2.095



444612-1

Bradenton, Manatee County

SR 45 from Edwards DR to Magellan DR, MP 0.000 – 2.095

6 Lane Urban Principal Arterial Roadway

Inspected by: Anthony Brown, 2/20/24

Rdwy Id # - 13010000

<u>MP 0.000 – 2.094</u>	<u>LT Rdwy</u>	<u>RT Rdwy</u>
<u>MPH -</u>	<u>50</u>	<u>50</u>
<u>Age -</u>	<u>20</u>	<u>20</u>
<u>Cracking -</u>	<u>4.5</u>	<u>4.5</u>
<u>Ride -</u>	<u>7.4</u>	<u>7.4</u>
<u>Rutting -</u>	<u>9.0</u>	<u>8.0</u>

Lane Width: 12'

Inside C&G: Y

Outside C&G: Y

Inside Paved Shoulder: N

Outside Paved Shoulder (Bike Lane): Y

Median: Y, Grass & Concrete

Sidestreets: Y, 24 Total

Turn Lanes: Y, 16 Total

Cross overs: Y, 2 Total

Center Turn Lane: Y

Right Roadway

R1

MP 0.000 – 0.005 has light branch cracking. There is a pavement change at MP 0.005.

MP 0.005 – 0.718 has intermittent moderate to severe branch and longitudinal cracking (**Picture 1**).

MP 0.718 – 0.751 is a patch that is in fair condition.

MP 0.751 – 0.801 has moderate to severe longitudinal cracking.

MP 0.801 – 0.826 is a patch that is in fair condition.

MP 0.826 – 1.005 has intermittent moderate to severe branch and longitudinal cracking.

MP 1.005 – 1.447 has intermittent light to moderate branch and longitudinal cracking.

MP 1.447 – 1.646 has intermittent moderate to severe branch and longitudinal cracking (**Picture 2**).

MP 1.646 – 1.670 is a patch that is in fair condition.

MP 1.670 – 1.684 has moderate longitudinal cracking.

MP 1.684 – 1.706 is a patch that is in fair condition.

MP 1.706 – 1.709 is in fair condition.

MP 1.709 – 1.751 is a patch that is in fair condition.

MP 1.751 – 1.781 has moderate branch cracking.

MP 1.781 – 1.815 is a patch that is in fair condition.

MP 1.815 – 1.893 has intermittent light branch cracking.
MP 1.893 – 1.910 is a patch that is in fair condition.
MP 1.910 – 1.969 has light to moderate branch and longitudinal cracking.
MP 1.969 – 1.994 is a patch that is in fair condition.
MP 1.994 – 2.088 has intermittent light longitudinal cracking.
MP 2.088 – 2.095 is a concrete bridge deck.

R2

MP 0.000 – 0.005 has moderate branch cracking. There is a pavement change at MP 0.005.
MP 0.005 – 0.221 has intermittent light to moderate branch and longitudinal cracking (**Picture 3**).
MP 0.221 – 0.238 is a patch that is in fair condition.
MP 0.238 – 1.468 has intermittent light to moderate branch and longitudinal cracking (**Picture 4**).
MP 1.468 – 1.486 is a patch that is in fair condition.
MP 1.486 – 1.709 has intermittent light to moderate longitudinal cracking.
MP 1.709 – 1.765 is a patch that is in fair condition.
MP 1.765 – 1.775 has light branch and transverse cracking.
MP 1.775 – 1.819 is a patch that is in fair condition.
MP 1.819 – 1.821 has moderate longitudinal cracking.
MP 1.821 – 1.858 is a patch that is in fair condition.
MP 1.858 – 1.906 has moderate branch and longitudinal cracking.
MP 1.906 – 1.934 is a patch that is in fair condition.
MP 1.934 – 1.995 has intermittent light longitudinal cracking.
MP 1.995 – 2.013 is a patch that is in fair condition.
MP 2.013 – 2.088 has light branch cracking.
MP 2.088 – 2.095 is a concrete bridge deck.

R3

MP 0.000 – 0.005 has severe block cracking. There is a pavement change at MP 0.005.
MP 0.005 – 0.781 has intermittent light to moderate branch and longitudinal cracking (**Picture 5**).
MP 0.781 – 1.592 has intermittent light longitudinal cracking.
MP 1.592 – 2.088 has intermittent light to moderate longitudinal and branch cracking (**Picture 6**).
MP 2.088 – 2.095 is a concrete bridge deck.

Turn Lanes

The turn lanes are in fair condition.

Bike Lane

The bike lane has intermittent light longitudinal and transverse cracking.

Left Roadway

L1

MP 2.095 – 2.088 is a concrete bridge deck.
MP 2.088 – 1.520 has light to moderate longitudinal and branch cracking. There is moderate transverse cracking at MP 1.888 (**Picture 8**).

MP 1.520 – 0.005 has intermittent light to severe branch and longitudinal cracking (**Picture 7**). There is a pavement change at MP 0.005.

MP 0.005 – 0.000 has moderate block cracking.

L2

MP 2.095 – 2.088 is a concrete bridge deck.

MP 2.088 – 1.111 has intermittent light to moderate branch and longitudinal cracking (**Picture 10**).

MP 1.111 – 0.946 has intermittent light to moderate branch and longitudinal cracking. There is also intermittent deep gouging.

MP 0.946 – 0.005 has moderate to severe longitudinal and branch cracking (**Picture 9**).

MP 0.005 – 0.000 has moderate block cracking.

L3

MP 2.095 – 2.088 is a concrete bridge deck.

MP 2.088 – 1.885 has intermittent light longitudinal cracking (**Picture 12**).

MP 1.885 – 0.005 has intermittent light to moderate branch and longitudinal cracking (**Picture 11**).

MP 0.005 – 0.000 has moderate block cracking.

Turn Lanes

LLTL at MP 1.906 has light longitudinal cracking.

Bike Lane

The bike lane has intermittent light longitudinal and transverse cracking.

Center Turn Lane

The center turn lane has light to moderate longitudinal cracking.

FIELD REVIEW PHOTO PAGES		FPID: 444612-1	PROJECT DESCRIPTION: SR 45 from Edwards DR to Magellan DR	
REVIEWED BY: Anthony Brown	DATE: 2/20/2024	BEGIN MP: 0.000	END MP: 2.095	COUNTY / ROADWAY ID: Manatee / 13010000



Pic 01



Pic 02



Pic 03



Pic 04

FIELD REVIEW PHOTO PAGES		FPID: 444612-1	PROJECT DESCRIPTION: SR 45 from Edwards DR to Magellan DR	
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Pic 05



Pic 06



Pic 07



Pic 08

FIELD REVIEW PHOTO PAGES		FPID: 444612-1	PROJECT DESCRIPTION: SR 45 from Edwards DR to Magellan DR	
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Pic 09



Pic 10



Pic 11



Pic 12

APPENDIX 2

Core Data and Layout

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

Mainline Cores (ML)

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	RUT DEPTH - LWP (IN.)	RUT DEPTH - RWP (IN.)	CROSS SLOPE (%) ³	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	0.1	0.1	3.90	
2	0.010	ML	L3	Y		1.4				1.3			1.3	4.0	11.5					2.2	C	3	S	P	0.1	0.1	2.90	
3	0.040	ML	R3	Y			0.7			2.6			0.7	4.0	17.5					2.8	C	3	M	F	0.1	0.1	5.30	
4	0.707	ML	R3	Y			0.6			1.8			0.6	3.0	10.5					3.0	C	3	S	P	0.1	0.3	5.00	Base Crack
5	1.194	ML	R3	Y			0.9			1.6			1.4	3.9	11.5			12.5					F	0.1	0.1	4.10		
6	1.652	ML	R3	Y			1.1			1.8			1.6	4.5	11.0								F	0.2	0.1	4.10		
7	2.086	ML	R2	N			0.5			1.3			1.8	1.8				11.8		1.8	C	3	S	P	0.1	0.1	2.80	Bridge Approach slab
8	2.086	ML	L2	N			0.9			1.1				2.0									F	0.1	0.1	1.50	Bridge Approach slab	
9	1.953	ML	L3	N			0.9			2.3			1.2	4.4	11.3					0.9	C	2	M	F	0.1	0.1	5.50	
10	1.288	ML	L3	Y			0.9			1.8			0.7	3.4	11.5					3.4	C	3	S	P	0.2	0.1	4.30	Base Crack
11	0.987	ML	L3	Y			0.8			2.5			1.2	4.5	12.3					4.5	C	3	S	P	0.1	0.0	5.10	Base Crack
12	0.392	ML	L3	Y			1.0			1.5			0.8	3.3	9.5			12.2					F	0.1	0.1	3.30		
13	0.070	ML	R2	N			0.7			2.5			0.9	4.1	8.2					3.0	C	2	M	P	0.2	0.0	3.30	Raveling
14	0.502	ML	R2	Y			1.0			2.3			1.2	4.5	7.5								F	0.1	0.1	3.60	Raveling	
15	1.053	ML	R2	N			0.9			2.4			1.1	4.4	11.5					2.0	C	3	S	P	0.1	0.1	3.40	
16	1.851	ML	R2	N			0.9			2.6			1.6	5.1	7.4					5.1	C	3	S	P	0.3	0.1	3.10	Joint crack/Raveling/Base crack
17	1.830	ML	L2	Y			0.8			2.9			1.3	5.0	8.1					3.8	C	3	S	P	0.2	0.1	3.20	
18	1.417	ML	L2	N			1.0			3.0			1.0	5.0	8.4					5.0	C	3	S	P	0.4	0.1	3.30	Base Crack
19	0.605	ML	L2	N			0.8			2.3			1.4	4.5	9.0								F	0.3	0.3	3.00		
20	0.308	ML	L2	Y			0.9			2.8			1.0	4.7	10.2					2.4	C	3	S	P	0.2	0.3	3.30	
21	0.285	ML	R1	N			1.0			3.1	0.6			4.7	12.8			11.5		4.7	C	3	S	P	0.0	0.3	3.00	Base crack
22	0.705	ML	R1	N			1.1			2.9			1.5	5.5	8.6					2.1	C	3	S	P	0.1	0.1	1.40	Raveling
23	1.104	ML	R1	Y			0.8			3.7				4.5									P	0.3	0.2	4.40		
24	1.810	ML	R1	Y			0.8			3.4				4.2			3.1						P	0.3	0.1	3.60	Raveling	
25	2.011	ML	L1	Y			0.9			1.3	4.4			6.6									F	0.1	0.1	2.60		
26	1.459	ML	L1	Y			0.9			2.1	4.5			7.5	10.1								P	0.1	0.1	3.10	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	0.1	0.1	3.40	
28	0.200	ML	L1	N			0.9			2.2	0.4			3.5						2.3	C	3	S	P	0.3	0.2	2.90	
29	1.480	ML	R2	N			1.1			1.9	0.6		1.7	5.3	7.8					5.3	C	3	S	P	0.1	0.1	2.70	Joint crack/Raveling/Base crack
76	1.991	ML	R1	N			0.8			1.8	0.9		1.5	5.0						2.4	C	3	M	P	0.1	0.2	2.80	Raveling
77	1.880	ML	L3	Y			0.9			2.4			1.0	4.3	12.0					4.3	C	3	S	P	0.2	0.2	3.80	Base Crack
AVERAGE						1.2	0.9			2.2	1.8		1.2	4.36	10.41			4.37	8.65	11.94				0.2	0.1	3.47		
MAX						1.4	1.1			3.7	4.5		1.8	7.50	17.50			5.30	9.00	12.50				0.4	0.3	5.50		
MIN						0.9	0.5			1.0	0.4		0.6	1.75	7.40			3.10	8.30	11.50				0.0	0.0	1.40		
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.

OL - Outside Left Shoulder L1 - 1st Lane Left of Centerline	Lane Designations OR - Outside Right Shoulder R1 - 1st Lane Right of Centerline	Crack Type A - Alligator B - Block C - Combination	Crack Rating 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	Extent L - Light M - Moderate S - Severe	Pavement Condition G - Good F - Fair P - Poor	Lane Type ML - Mainline TL - Turn Lane CO - Crossover	S - Shoulder SS - Side Street
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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

Turn Lane and Crossover Cores (TL/CO)

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	RUT DEPTH - LWP (IN.)	RUT DEPTH - RWP (IN.)	CROSS SLOPE (%) ³	COMMENTS		
					FC12.5	FC9.5	FC5	FC3	S	SP1C	S	SAHM		BIND	LR	CONC	ABC-2		SHEL	DEPTH (IN.)	TYPE	CLASS						EXTENT	
30	0.542	TL/CO	R1	Y			1.1			1.7	1.7			4.5			3.0					F	0.0	0.0	2.4				
36	1.357	TL/CO	R1	Y			1.1			1.4	1.5			4.0			4.1		12.7			F	0.0	0.4	2.80				
38	1.550	TL/CO	R1	Y			0.4			2.2	2.5			5.1			3.5					P	0.4	0.4	1.40	Raveling Completely			
40	1.720	TL/CO	R1	Y			1.0			2.3				3.3			5.8			0.5	C	3	S	P	0.3	0.0	2.40		
43	1.950	TL/CO	R1	Y			0.8			1.6	3.4			5.8				14.8		3.2	C	3	M	F	0.1	0.3	2.20		
44	2.036	TL/CO	R1	N			1.0			1.5	5.1			7.6				12.5					F	0.1	0.0	1.40			
46	2.069	TL/CO	L1	N			0.6			2.0	3.7			6.3				17.0	12.3				F	0.1	0.1	2.60			
47	1.982	TL/CO	L1	N			0.9			1.9	4.2			7.0				18.0					F	0.1	0.1	2.80			
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	0.0	0.0	2.90		
49	1.751	TL/CO	L1	N			1.0			3.1				4.1			4.7		2.2	C	3	M	P	0.0	0.1	2.10			
51	1.590	TL/CO	L1	Y			0.9		3.6					4.5			4.2						F	0.1	0.1	2.10			
53	1.399	TL/CO	L1	Y			0.8			1.6	1.3			3.7			6.8						P	0.1	0.2	3.30			
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	0.0	0.0	2.30	Base Crack	
64	0.329	TL/CO	L3	N			0.6			1.8	7.4			9.8	13.5								F	0.0	0.0	1.50			
65	0.246	TL/CO	L3	Y			0.9		3.7					4.6									F	0.0	0.1	2.00			
66	0.170	TL/CO	L3	Y			1.0			3.0	1.3			5.3			10.3						F	0.1	0.1	2.00			
69	0.090	TL/CO	L1	Y			0.8			1.2	1.9			3.9			4.6						F	0.0	0.1	2.80			
70	0.374	TL/CO	L1	N			1.1		2.4					3.5			4.1		12.5				F	0.0	0.0	2.20			
71	0.987	TL/CO	L1	N			1.1			2.0	1.0			4.1			4.5			1.1	C	3	M	P	0.1	0.1	2.90		
72	1.650	TL/CO	L1	Y			0.9			1.5	2.3			4.7			5.8						F	0.0	0.1	0.50			
73	1.881	TL/CO	L1	N			1.5			1.5	1.1		1.7	5.8			7.7						F	0.0	0.1	2.00	Concrete Base		
74	1.962	TL/CO	L1	N			0.9			1.6	3.0			5.5				17.0					F	0.1	0.1	1.50			
75	2.058	TL/CO	L1	N			0.3			1.5	3.7			5.5				17.5					F	0.0	0.2	0.70			
AVERAGE							0.9			3.2	1.9	2.7	2.1	5.23	11.25	7.70	5.12	15.61	12.50	2.21				2.83		0.1	0.1	2.11	
MAX							1.5			3.7	3.1	7.4	2.6	9.75	13.50	7.70	10.30	18.00	12.70	5.50				3.00		0.4	0.4	3.30	
MIN							0.3			2.4	1.2	0.8	1.7	3.30	9.00	7.70	3.00	12.50	12.30	0.50				2.00		0.0	0.0	0.50	
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.

	<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	OR - Outside Right Shoulder	A - Alligator	Class IB - Hairline cracks that are ≤ 1/8 inch wide	L - Light	G - Good	ML - Mainline
L1 - 1st Lane Left of Centerline	R1 - 1st Lane Right of Centerline	B - Block	Class II - Cracks > than 1/8 inch and ≤ 1/4 inch	M - Moderate	F - Fair	TL - Turn Lane
		C - Combination	Class III - Cracks > 1/4 inch	S - Severe	P - Poor	CO - Crossover
						S - Shoulder
						SS - Side Street

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											

Shoulder Cores (S)

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	RUT DEPTH - LWP (IN.)	RUT DEPTH - RWP (IN.)	CROSS SLOPE (%) ³	COMMENTS
					FC12.5	FC9.5	FC5	FC3	S	SP1C	S	SAHM		BIND	LR	CONC	ABC-2		SHEL	DEPTH (IN.)	TYPE	CLASS					
78	0.150	S	OR	N			1.0			1.5			1.4	3.9	13.3							F			4.30		
79	0.510	S	OL	N			1.0			1.4			1.5	3.9	12.0							F			3.70		
80	1.194	S	OR	N			1.0			1.5			1.4	4.1	11.3							F			3.70		
81	1.760	S	OL	N			1.1			1.2	1.1			3.4	11.5							F			5.00		
AVERAGE							1.0			1.4	1.1		1.4	3.83	12.00										4.18		
MAX							1.1			1.5	1.1		1.5	4.10	13.25										5.00		
MIN							1.0			1.2	1.1		1.4	3.40	11.25										3.70		
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.

OL - Outside Left Shoulder L1 - 1st Lane Left of Centerline	<u>Lane Designations</u> OR - Outside Right Shoulder R1 - 1st Lane Right of Centerline	<u>Crack Type</u> A - Alligator B - Block C - Combination	<u>Crack Rating</u> 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	<u>Extent</u> L - Light M - Moderate S - Severe	<u>Pavement Condition</u> G - Good F - Fair P - Poor	<u>Lane Type</u> ML - Mainline TL - Turn Lane CO - Crossover	S - Shoulder SS - Side Street
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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											

Side Street Cores (SS)

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	RUT DEPTH - LMP (IN.)	RUT DEPTH - RWP (IN.)	CROSS SLOPE (%) ³	COMMENTS
					FC12.5	FC9.5	FC5	FC3	S	SP1C	S	SAHM		BIND	LR	CONC	ABC-2		SHEL	DEPTH (IN.)	TYPE	CLASS					
31	0.563	SS	R1	N			1.0			1.5			2.5	11.0								F	0.0	0.0	0.50	Braden Ave	
32	0.646	SS	R1	N			0.5			2.0			2.5				12.0					F	0.0	0.1	0.30	Hernando Ave	
33	0.736	SS	R1	N			0.9			3.1			4.0				11.8					F	0.2	0.2	0.30	Suwanee Ave	
34	0.835	SS	R1	N			1.0			1.8	0.8		3.6	13.5								F	0.1	0.0	0.90	Pinehurst St, Raveling	
35	1.253	SS	L1	Y			0.8			1.7		0.8	3.3	12.2								F	0.0	0.0	0.70	Ponce de Leon, Raveling	
37	1.378	SS	L1	N				0.5	3.2				3.7	6.5								P	0.5	0.6	0.50	Tallevast St	
39	1.570	SS	R1	N				0.8	0.8			1.3	2.9	9.5								F	0.1	0.1	1.70	69th Ave	
41	1.730	SS	L1	N		2.0							2.0	10.2								G	0.0	0.0	1.60	Pearl St, Left turn lane	
42	1.881	SS	R1	N			0.7		3.5				4.2	9.8								F	0.1	0.1	3.10	Montgomery Ave, Raveling	
45	2.058	SS	R1	N				0.5	3.4				3.9	10.1								F	0.1	0.1	1.90	Magellan Dr, Raveling	
50	1.730	SS	R1	N		1.4				1.4			2.8	11.0								F	0.1	0.1	1.50	Pearl st (west)	
52	1.570	SS	R1	N			1.0			1.7	1.2		3.9	9.4								P	0.1	0.0	2.30	Whitfield (west), Raveling	
54	1.378	SS	R1	Y			0.8			2.3	1.4		4.5	9.5								F	0.0	0.0	2.80	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	0.0	0.1	0.70	Westmoreland (west)	
56	1.083	SS	R1	N				0.8	1.9				2.7	11.5								F	0.0	0.1	1.40	Westmoreland (west)	
57	1.023	SS	L1	N			2.5		1.5				4.0	9.7								F	0.1	0.2	1.40	Scott Ave (west), Raveling	
58	0.935	SS	R1	N			0.8			1.5		0.7	3.0	9.5								F	0.0	0.0	0.50	Benard Ave (west)	
59	0.835	SS	L1	N			1.0			2.6			3.6	10.2								F	0.0	0.1	1.00	Somerset (west), Raveling	
60	0.736	SS	L1	N			0.9			1.7		1.7	4.3	9.3								P	0.0	0.0	1.20	Suwanee Ave (west), Raveling	
61	0.646	SS	L1	Y			0.9			2.0		1.0	3.9	9.5								P	0.1	0.3	1.80	Hernando (west), Raveling	
63	0.563	SS	L1	N			0.9			1.9	2.5		5.3				10.3					F	0.1	0.1	1.80	Braden Ave	
67	0.150	SS	L1	N			0.6			1.3	2.0		3.9			10.6						F	0.2	0.1	0.60	Seagate, Raveling	
68	0.000	SS	L1	Y			1.2			2.9			4.1	12.0								F	0.1	0.1	1.10	Edwards Dr., Core sheared off and broke apart	
AVERAGE						1.7	1.0	0.7	2.5	1.9	1.8	1.3	3.63	10.38		10.60	11.37	11.20	3.60		3.00		0.1	0.1	1.29		
MAX						2.0	2.5	0.8	3.5	3.1	2.5	1.4	5.30	13.50		10.60	12.00	11.20	4.20		3.00		0.5	0.6	3.10		
MIN						1.4	0.5	0.5	0.8	1.3	0.8	1.2	2.00	6.50		10.60	10.30	11.20	2.60		3.00		0.0	0.0	0.30		
LAYER COEF.						0.25	0.25	0.00	0.17	0.25	0.25	0.25		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.

Lane Designations	Crack Type	Crack Rating	Extent	Pavement Condition	Lane Type
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
					ML - Mainline TL - Turn Lane CO - Crossover
					S - Shoulder SS - Side Street

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

Cored By: Ardaman & Associates, Inc.

Coring Completion Date: 3/21/2024

Typical Section: 1

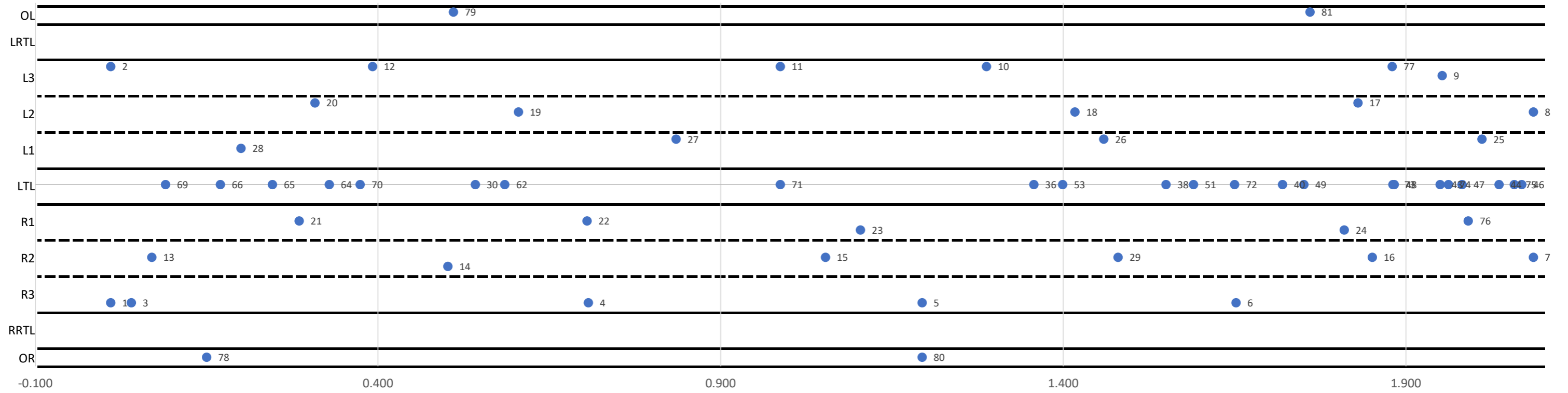
W.P.I. No.:				Name: SR 45 (US 41)				Lanes: 6					
Fin. Proj. ID: 444612-1-31-01				From: EDWARDS DRIVE				Shoulder Type and Condition:					
F.A. Project No.:		Roadway ID: 13010000		To: MAGELLAN DRIVE				Inside: None					
County: Manatee		SR No.: 45		Beg MP: 0.000		End MP: 2.095		Length: 2.095		Outside: Paved / Curb			
Overall Pavement Condition (from DMO field review): Fair				Median Curbed (Y/N): N		Paved		Lawn		Other:		Curb & Gutter (Y/N): Y	

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	RUT DEPTH - LWP (IN.)	RUT DEPTH - RWP (IN.)	CROSS SLOPE (%) ⁴	COMMENTS
					FC5	SP9.5	S	BIND										LR	ABC-2				DEPTH (IN.)	TYPE					
1	0.705	ML	R1	N	1.0	1.2	1.6	1.7								5.5	6.9			12.0	3.2	C	III	S	P	0.2	0.2	2.20	
2	1.635	ML	R1	N	0.8	1.1	1.6	0.8								4.3	7.6			12.0	4.3	C	III	S	P	0.3	0.4	3.70	Base is half LR half ABC-2
3	0.060	ML	R2	N	0.8	1.1	0.9	1.2								4.0	8.7			12.0	2.8	C	III	M	P	0.1	0.1	3.10	
4	1.052	ML	R2	N	1.0	1.2	1.3	0.9								4.4	9.0			12.0	3.4	C	III	S	P	0.3	0.3	3.10	
5	0.028	ML	R3	Y	0.8	1.6	0.8	0.7								3.9	7.1			12.0	3.2	C	III	S	P	0.2	0.2	4.60	
6	1.660	ML	R3	Y	1.0	1.5	1.1	0.9								4.5	8.5			12.0	4.5	C	III	S	P	0.2	0.2	3.90	
7	0.195	ML	L1	N	0.9	1.6	2.5									5.0		4.0		12.0	3.8	C	III	S	P	0.3	0.1	2.60	
8	1.896	ML	L1	N	1.0	1.6	1.2	1.0								4.8	9.1			12.0	4.8	B	III	S	P	0.2	0.3	2.00	Base is half LR half CONC
9	0.297	ML	L2	Y	0.8	1.6	1.3	0.9								4.6	7.8			12.0	4.6	C	III	S	P	0.3	0.4	3.00	
10	1.829	ML	L2	Y	0.8	1.5	1.5	1.2								5.0	7.4			12.0	4.2	C	III	S	P	0.3	0.2	3.40	
11	0.746	ML	L3	Y	0.7	1.6	0.8	0.9								4.0	8.6			12.0	4.0	B	III	S	P	0.3	0.1	4.50	
12	1.954	ML	L3	N	1.0	1.5	0.6	1.3								4.4	7.3			12.0	3.8	C	II	L	P	0.2	0.2	5.10	
AVERAGE					0.88	1.43	1.27	1.05							4.53	8.00	4.00			12.00	3.88					0.2	0.2	3.43	
MAX					1.00	1.60	2.50	1.70							5.50	9.10	4.00			12.00	4.80					0.3	0.4	5.10	
MIN					0.70	1.10	0.60	0.70							3.90	6.90	4.00			12.00	2.80					0.1	0.1	2.00	
LAYER COEF.					0.00	0.25	0.25	0.20								0.18	0.16			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 all 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.

<u>Lane Designations - Decreasing MP</u> OL/IL - Outside/Inside Shoulder L1 - 1st Lane Left of Centerline LL/LR - Left/Right Turn Lane	<u>Lane Designations - Increasing MP</u> OR/IR - Outside/Inside Shoulder R1 - 1st Lane Right of Centerline RL/RR - Left/Right Turn Lane	<u>Lane Type</u> ML - Mainline TL - Turn Lane CO - Crossover S - Shoulder SS - Side Street BR - Bridge Approach/Departure	<u>Crack Type</u> A - Alligator B - Block C - Combination	<u>Crack Rating</u> 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	<u>Extent</u> L - Light M - Moderate S - Severe	<u>Pavement Condition</u> G - Good F - Fair P - Poor
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FPID: 444612-1
PROJECT DESCRIPTION: SR 45 (US 41) from Edwards Drive to Magellan Drive
COUNTY / ROADWAY ID: Manatee / 13010000
BEGIN - END MP: 0.000 - 2.035

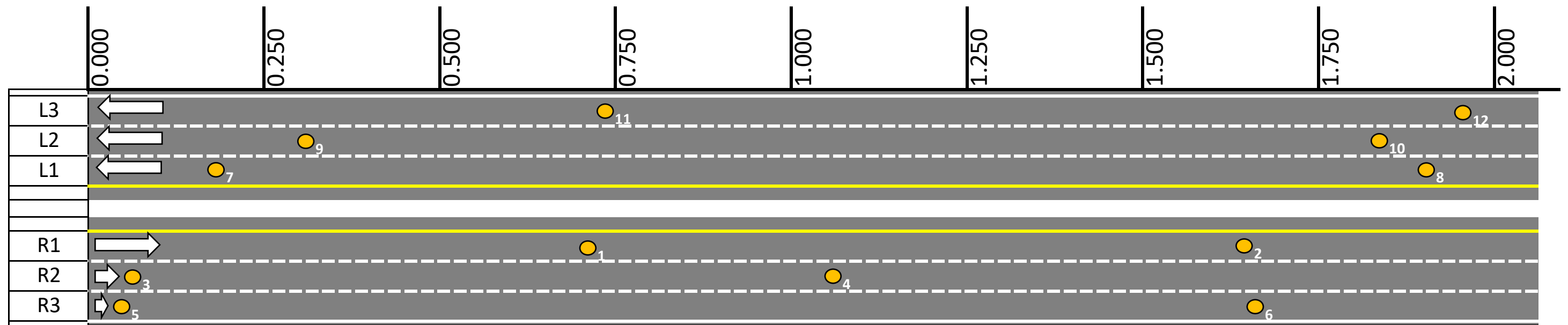


- Notes:
1. Mile posts are approximate.
 2. Core locations are not to scale.

PAVEMENT CORING LAYOUT: SR 45 (US 41) EDWARDS DRIVE TO MAGELLAN DRIVE

Beg MP to End MP: 0.000 to 2.095

FPN 444612-1-31-01



NOTES

- 1. NOT TO SCALE
- 2. MILEPOSTS ARE APPROXIMATE
- 3. REFER TO PECCD TABLE FOR ADDITIONAL LOCATION DATA

APPENDIX 3

Core Sample and Location Pictures

PAVEMENT CORE PHOTO PAGE		FPID: 444612-1	PROJECT DESCRIPTION: SR 45 from Edwards Drive to Magellan Drive	
CORED BY: Roberts Consulting	DATE: 12/8/2020	BEGIN MP: 0.000	END MP: 2.035	COUNTY / ROADWAY ID: Manatee / 13010000



PAVEMENT CORE PHOTO PAGE		FPID: 444612-1	PROJECT DESCRIPTION: SR 45 from Edwards Drive to Magellan Drive	
CORED BY: Roberts Consulting	DATE: 12/8/2020	BEGIN MP: 0.000	END MP: 2.035	COUNTY / ROADWAY ID: Manatee / 13010000



PAVEMENT CORE PHOTO PAGE		FPID: 444612-1	PROJECT DESCRIPTION: SR 45 from Edwards Drive to Magellan Drive	
CORED BY: Roberts Consulting	DATE: 12/8/2020	BEGIN MP: 0.000	END MP: 2.035	COUNTY / ROADWAY ID: Manatee / 13010000



PAVEMENT CORE PHOTO PAGE		FPID: 444612-1	PROJECT DESCRIPTION: SR 45 from Edwards Drive to Magellan Drive	
CORED BY: Roberts Consulting	DATE: 12/8/2020	BEGIN MP: 0.000	END MP: 2.035	COUNTY / ROADWAY ID: Manatee / 13010000



PAVEMENT CORE PHOTO PAGE		FPID: 444612-1	PROJECT DESCRIPTION: SR 45 from Edwards Drive to Magellan Drive	
CORED BY: Roberts Consulting	DATE: 12/8/2020	BEGIN MP: 0.000	END MP: 2.035	COUNTY / ROADWAY ID: Manatee / 13010000



PAVEMENT CORE PHOTO PAGE		FPID: 444612-1	PROJECT DESCRIPTION: SR 45 from Edwards Drive to Magellan Drive	
CORED BY: Roberts Consulting	DATE: 12/8/2020	BEGIN MP: 0.000	END MP: 2.035	COUNTY / ROADWAY ID: Manatee / 13010000



PAVEMENT CORE PHOTO PAGE		FPID: 444612-1	PROJECT DESCRIPTION: SR 45 from Edwards Drive to Magellan Drive	
CORED BY: Roberts Consulting	DATE: 12/8/2020	BEGIN MP: 0.000	END MP: 2.035	COUNTY / ROADWAY ID: Manatee / 13010000



PAVEMENT CORE PHOTO PAGE		FPID: 444612-1	PROJECT DESCRIPTION: SR 45 from Edwards Drive to Magellan Drive	
CORED BY: Roberts Consulting	DATE: 12/8/2020	BEGIN MP: 0.000	END MP: 2.035	COUNTY / ROADWAY ID: Manatee / 13010000



PAVEMENT CORE PHOTO PAGE		FPID: 444612-1	PROJECT DESCRIPTION: SR 45 from Edwards Drive to Magellan Drive	
CORED BY: Roberts Consulting	DATE: 12/8/2020	BEGIN MP: 0.000	END MP: 2.035	COUNTY / ROADWAY ID: Manatee / 13010000



PAVEMENT CORE PHOTO PAGE		FPID: 444612-1	PROJECT DESCRIPTION: SR 45 from Edwards Drive to Magellan Drive	
CORED BY: Roberts Consulting	DATE: 12/8/2020	BEGIN MP: 0.000	END MP: 2.035	COUNTY / ROADWAY ID: Manatee / 13010000



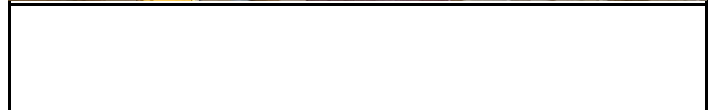
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CORED BY: Roberts Consulting	DATE: 12/8/2020	BEGIN MP: 0.000	END MP: 2.035	COUNTY / ROADWAY ID: Manatee / 13010000



PAVEMENT CORE PHOTO PAGE		FPID: 444612-1	PROJECT DESCRIPTION: SR 45 from Edwards Drive to Magellan Drive	
CORED BY: Roberts Consulting	DATE: 12/8/2020	BEGIN MP: 0.000	END MP: 2.035	COUNTY / ROADWAY ID: Manatee / 13010000



PAVEMENT CORE PHOTO PAGE		FPID: 444612-1	PROJECT DESCRIPTION: SR 45 from Edwards Drive to Magellan Drive	
CORED BY: Roberts Consulting	DATE: 12/8/2020	BEGIN MP: 0.000	END MP: 2.035	COUNTY / ROADWAY ID: Manatee / 13010000



PAVEMENT CORE PHOTO PAGE		FPID: 444612-1	PROJECT DESCRIPTION: SR 45 from Edwards Drive to Magellan Drive	
CORED BY: Roberts Consulting	DATE: 12/8/2020	BEGIN MP: 0.000	END MP: 2.035	COUNTY / ROADWAY ID: Manatee / 13010000



PAVEMENT CORE PHOTO PAGE		FPID: 444612-1	PROJECT DESCRIPTION: SR 45 from Edwards Drive to Magellan Drive	
CORED BY: Roberts Consulting	DATE: 12/8/2020	BEGIN MP: 0.000	END MP: 2.035	COUNTY / ROADWAY ID: Manatee / 13010000



PAVEMENT CORE PHOTO PAGE		FPID: 444612-1	PROJECT DESCRIPTION: SR 45 from Edwards Drive to Magellan Drive	
CORED BY: Roberts Consulting	DATE: 12/8/2020	BEGIN MP: 0.000	END MP: 2.035	COUNTY / ROADWAY ID: Manatee / 13010000



PAVEMENT CORE PHOTO PAGE		FPID: 444612-1	PROJECT DESCRIPTION: SR 45 from Edwards Drive to Magellan Drive	
CORED BY: Roberts Consulting	DATE: 12/8/2020	BEGIN MP: 0.000	END MP: 2.035	COUNTY / ROADWAY ID: Manatee / 13010000



PAVEMENT CORE PHOTO PAGE		FPID: 444612-1	PROJECT DESCRIPTION: SR 45 from Edwards Drive to Magellan Drive	
CORED BY: Roberts Consulting	DATE: 12/8/2020	BEGIN MP: 0.000	END MP: 2.035	COUNTY / ROADWAY ID: Manatee / 13010000



PAVEMENT CORE PHOTO PAGE		FPID: 444612-1	PROJECT DESCRIPTION: SR 45 from Edwards Drive to Magellan Drive	
CORED BY: Roberts Consulting	DATE: 12/8/2020	BEGIN MP: 0.000	END MP: 2.035	COUNTY / ROADWAY ID: Manatee / 13010000



PAVEMENT CORE PHOTO PAGE		FPID: 444612-1	PROJECT DESCRIPTION: SR 45 from Edwards Drive to Magellan Drive	
CORED BY: Roberts Consulting	DATE: 12/8/2020	BEGIN MP: 0.000	END MP: 2.035	COUNTY / ROADWAY ID: Manatee / 13010000



PAVEMENT CORE PHOTO PAGE		FPID: 444612-1	PROJECT DESCRIPTION: SR 45 from Edwards Drive to Magellan Drive	
CORED BY: Roberts Consulting	DATE: 12/8/2020	BEGIN MP: 0.000	END MP: 2.035	COUNTY / ROADWAY ID: Manatee / 13010000



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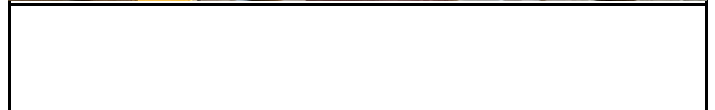
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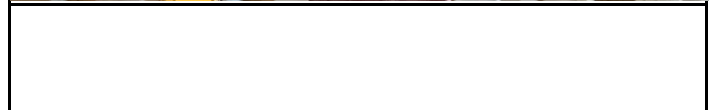
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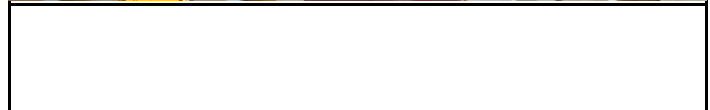
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PAVEMENT CORE PHOTO PAGES		FPID: 444612-1-31-01	PROJECT DESCRIPTION: SR 45 (US 41) EDWARDS DRIVE TO MAGELLAN DRIVE	
CORED BY: Ardaman & Associates	DATE: 3/21/2024	BEGIN MP: 0.000	END MP: 2.095	COUNTY / ROADWAY ID: Manatee/13010000



Core 1 Field



Core 1 Lab



Core 2 Field



Core 2 Lab

PAVEMENT CORE PHOTO PAGES		FPID: 444612-1-31-01	PROJECT DESCRIPTION: SR 45 (US 41) EDWARDS DRIVE TO MAGELLAN DRIVE	
CORED BY: Ardaman & Associates	DATE: 3/21/2024	BEGIN MP: 0.000	END MP: 2.095	COUNTY / ROADWAY ID: Manatee/13010000



Core 3 Field



Core 3 Lab



Core 4 Field



Core 4 Lab

PAVEMENT CORE PHOTO PAGES		FPID: 444612-1-31-01	PROJECT DESCRIPTION: SR 45 (US 41) EDWARDS DRIVE TO MAGELLAN DRIVE	
CORED BY: Ardaman & Associates	DATE: 3/21/2024	BEGIN MP: 0.000	END MP: 2.095	COUNTY / ROADWAY ID: Manatee/13010000



Core 5 Field



Core 5 Lab



Core 6 Field



Core 6 Lab

PAVEMENT CORE PHOTO PAGES		FPID: 444612-1-31-01	PROJECT DESCRIPTION: SR 45 (US 41) EDWARDS DRIVE TO MAGELLAN DRIVE	
CORED BY: Ardaman & Associates	DATE: 3/21/2024	BEGIN MP: 0.000	END MP: 2.095	COUNTY / ROADWAY ID: Manatee/13010000



Core 7 Field



Core 7 Lab



Core 8 Field



Core 8 Lab

PAVEMENT CORE PHOTO PAGES		FPID: 444612-1-31-01	PROJECT DESCRIPTION: SR 45 (US 41) EDWARDS DRIVE TO MAGELLAN DRIVE	
CORED BY: Ardaman & Associates	DATE: 3/21/2024	BEGIN MP: 0.000	END MP: 2.095	COUNTY / ROADWAY ID: Manatee/13010000



Core 9 Field



Core 9 Lab



Core 10 Field



Core 10 Lab

PAVEMENT CORE PHOTO PAGES		FPID: 444612-1-31-01	PROJECT DESCRIPTION: SR 45 (US 41) EDWARDS DRIVE TO MAGELLAN DRIVE	
CORED BY: Ardaman & Associates	DATE: 3/21/2024	BEGIN MP: 0.000	END MP: 2.095	COUNTY / ROADWAY ID: Manatee/13010000



Core 11 Field



Core 11 Lab



Core 12 Field



Core 12 Lab

APPENDIX 4

Illustration of Milling and Resurfacing Recommendations

Illustration of Milling and Resurfacing Recommendation

Design Sketch Not Drawn To Scale

MILL 4.50"	MILL 4.00"	MILL 3.50"
FC-12.5 / 1.50"		
SP-12.5 / 3.00"	SP-12.5 / 2.50"	SP-12.5 / 2.00"
Remaining Asphalt After Milling	Remaining Asphalt After Milling	Remaining Asphalt After Milling
Existing Base		
Subgrade		

Note:

- **Structural requirements were not calculated in this design.**
- **If the depicted pavement design will not be adequate based on structural calculations, overbuild thickness should be adjusted to meet the required structural number and/or other constructability purposes. If modification to the milling depth will be necessary to meet the required structural number contact this office for a revised recommendation.**

APPENDIX 5

Pavement Survey Request



Florida Department of Transportation

RON DESANTIS
GOVERNOR

605 Suwannee Street
Tallahassee, FL 32399-0450

JARED W. PERDUE, P.E.
SECRETARY

MEMORANDUM

Date: 2/20/2024
To: Pavement Evaluations
From: Kellie Spurgeon
Subject: Request for Asphalt Survey
 FM No: 444612-1
 County: Manatee
 Begin MP: 0 End MP: 2.095
Description: SR 45 (US 41) EDWARDS DRIVE TO MAGELLAN DRIVE
Coring Scope Responsibility:

These attached items are for your information in obtaining the necessary asphalt data needed for our preparation of the pavement design package:

Please specify if the project has any realignment involved and/or locations of widening/reconstruction:

Review of Project by Project Manager: Kellie Spurgeon

Letting Date: 11/2025

Friction Course Type:

Areas of Concern/Comments

Deadline is April 5th

Is this a 'Goes With' Project? No

To keep our project on schedule, we are requesting a return date of: 5/21/2024

If you have any questions, please contact me at: kellie.spurgeon@dot.state.fl.us