

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

Cored By: TEST LAB, INC.

Coring Completion Date: 9/7/2023

Typical Section: 1

W.P.I. No.:	Name: SR 45 (US 41)	Lanes: 6 Lane Urban Arterial Roadway
Fin. Proj. ID: 451272-1	From: Lee County Line	Shoulder Type and Condition:
F.A. Project No.:	To: N of Old US 41	Inside: None
County: COLLIER	Beg MP: 0.000	End MP: 1.181
Roadway ID: 03010000	Length: 1.181	Outside: Paved
SR No.: 45	Median Curbed (Y/N): Y	Paved: N
Overall Pavement Condition (from DMO field review): Fair	Lawn: Y	Other: CONC
		Curb & Gutter (Y/N): N

Mainline Cores (ML)

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	
					FC5	SP9.5	FC5	S								LR	ABC-2				DEPTH (IN.)	TYPE	CLASS	EXTENT			
1	0.006	ML	R1	N	1.0	1.8									2.8	12.2								F			
3	0.028	ML	R2	Y	1.0	3.4									4.4	11.4								F			
4	0.047	ML	L3	Y	1.0	3.2		1.3							5.5	12.5								F			
5	0.053	ML	R3	Y	1.0	2.6									3.6	13.9								P			
7	0.103	ML	L2	Y	1.2	2.7		0.9							4.8	10.2						4.8	B	III	M	P	
8	0.117	ML	R3	Y	1.1	2.6		1.2							4.9	10.1					10.0	3.6	A	III	M	P	
9	0.131	ML	R2	Y	1.2	3.7		1.7							6.6	9.9						3.7	B	III	M	P	Bottom-up crack
10	0.140	ML	R1	Y	1.3	3.6									4.9	13.1					14.0	3.2	B	III	M	P	
11	0.146	ML	L1	Y	0.8	2.8									3.6	13.9						2.5	B	II	M	F	
13	0.164	ML	L2	Y		3.7									3.7	10.8									P	Patch	
16	0.218	ML	L3	Y	0.6	2.9									3.5	13.0						2.6	A	II	L	F	
18	0.235	ML	R3	Y	1.0	2.8									3.8	14.2									F		
20	0.263	ML	L3	Y	0.8	2.6		1.2							4.6	13.4						2.2	A	III	M	P	
21	0.274	ML	R2	Y	1.3	3.0									4.3	18.5						1.3	A	IB	M	P	
22	0.297	ML	L2	Y	0.7	2.8									3.5	18.5						1.4	B	III	M	F	
23	0.324	ML	R1	Y	0.8	3.3									4.1	13.9						2.7	A	III	M	P	
26	0.363	ML	L1	Y	1.0	3.0		0.9							4.9	12.1						2.3	A	III	M	F	
30	0.455	ML	L1	Y	1.0	2.5									3.5	13.0						3.5	A	III	M	P	
32	0.475	ML	R3	Y	0.7	3.3									4.0	14.0						2.6	A	III	M	P	
33	0.514	ML	R2	Y	0.9	2.5		0.7							4.1	13.9									F		
34	0.520	ML	L2	Y	0.6	3.3									3.9	18.1						3.9	A	II	M	F	
35	0.549	ML	L3	Y	0.7	2.9		1.3							4.9	12.1					10.0	3.5	A	III	S	P	
36	0.569	ML	L1	N	0.7	2.6									3.3	20.5						2.4	A	III	M	F	
37	0.583	ML	R1	Y	1.0	2.5		0.7							4.2	14.3						2.8	A	III	M	P	
40	0.635	ML	L2	Y	0.6	3.2									3.8	13.7						2.2	B	II	M	F	
41	0.651	ML	L3	Y	1.0	2.1		1.6							4.7	14.6									F		
42	0.691	ML	R1	Y	0.5	2.8		6.7							10.0	14.5						1.7	B	IB	L	F	
43	0.692	ML	L2	Y	0.7	3.1		0.6							4.4	11.4						2.8	B	II	M	P	
44	0.706	ML	L1	Y	0.5	3.7									4.2	21.8						2.3	A	III	M	P	
46	0.750	ML	R2	Y	1.0	3.5		3.9							8.4	16.1									F		
48	0.778	ML	L1	Y	0.9	3.3									4.2	13.8						1.8	A	III	M	F	
49	0.779	ML	R3	Y	0.9	4.4		4.2							9.5	12.0									F		
52	0.813	ML	L3	N	1.1	3.9									5.0	12.5									F		
53	0.831	ML	L2	Y	0.6	3.0									3.6	15.2						2.1	B	III	M	F	

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Coring Completion Date: 9/7/2023

Typical Section: 1

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Fin. Proj. ID: 451272-1	From: Lee County Line	Shoulder Type and Condition:
F.A. Project No.:	To: N of Old US 41	Inside: None
County: COLLIER	Beg MP: 0.000	End MP: 1.181
Roadway ID: 03010000	Length: 1.181	Outside: Paved
SR No.: 45	Median Curbed (Y/N): Y	Paved: N
Overall Pavement Condition (from DMO field review): Fair	Lawn: Y	Other: CONC
		Curb & Gutter (Y/N): N

Mainline Cores (ML)

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		
					FC5	SP9.5	FC5	S								LR		ABC-2		DEPTH (IN.)			TYPE	CLASS
54	0.845	ML	R3	Y	1.2	4.1		4.2					9.5	14.5				4.6	B	II	M	P		
55	0.872	ML	L1	Y	1.2	2.6							3.8	17.7			9.5	2.4	A	II	M	P		
56	0.876	ML	R1	Y	1.2	6.0		6.3					13.5	12.0								F		
59	0.925	ML	R2	Y	1.3	4.7							6.0	16.5								F		
60	0.948	ML	R3	Y	1.1	2.4		0.7					4.2	16.3				1.1	C	IB	M	P		
61	0.951	ML	L3	N	1.3	3.4		0.3					5.0	11.0				2.2	C	III	M	F		
63	0.970	ML	R2	Y	1.2	3.1							4.3	16.7				1.8	A	II	M	F		
64	0.985	ML	L2	Y	0.8	2.9							3.7	10.6				2.2	A	III	M	F		
65	0.994	ML	R1	N	0.8	2.4							3.2	15.3								F		
66	1.038	ML	L3	N	1.7	2.1							3.8	11.2								F		
67	1.066	ML	R3	Y	0.9	3.1							4.0	14.0				3.0	B	III	M	F		
71	1.109	ML	L1	Y	1.2	3.3							4.5	17.5				2.5	B	III	M	F		
72	1.129	ML	R1	Y	1.0	2.0		1.4					4.4	12.6				2.6	B	III	M	F		
73	1.164	ML	L2	N	0.6	2.0		1.6					4.2	16.3			8.5	2.3	A	III	M	P		
74	1.173	ML	R2	Y	1.0	2.5		1.0					4.5	20.0			13.5	3.2	A	II	M	P		
AVERAGE					0.95	3.06		2.02					4.85	14.18			10.92	2.64						
MAX					1.70	6.00		6.70					13.50	21.80			14.00	4.80						
MIN					0.50	1.80		0.30					2.80	9.90			8.50	1.10						
LAYER COEF.					0.00	0.25		0.00	0.25					0.18	0.16			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.

<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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PAVEMENT EVALUATION CORING AND CONDITION DATA

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Coring Completion Date: 9/7/2023

Typical Section: 1

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Fin. Proj. ID: 451272-1	From: Lee County Line	Shoulder Type and Condition:
F.A. Project No.:	To: N of Old US 41	Inside: None
County: COLLIER	Beg MP: 0.000	End MP: 1.181
Roadway ID: 03010000	Length: 1.181	Outside: Paved
SR No.: 45	Median Curbed (Y/N): Y	Paved: N
Overall Pavement Condition (from DMO field review): Fair	Lawn: Y	Other: CONC
		Curb & Gutter (Y/N): N

Turn Lane Cores (TL)

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
					FC5	SP9.5	FC5	S								LR		ABC-2		DEPTH (IN.)	TYPE		
2	0.021	TL	LR	N	1.0	2.0							3.0	16.5								F	
12	0.156	TL	RL	Y	1.4	2.6							4.0	14.0								F	
19	0.241	TL	LR	N	1.0	2.7							3.7	13.3			6.0					F	
25	0.352	TL	RL	Y	0.9	2.7							3.6	21.4								F	
28	0.427	TL	LL	N	0.7	2.8							3.5	13.5			8.0					F	
31	0.464	TL	RR	Y	1.2	2.7							3.9	12.6			9.5					F	
39	0.632	TL	RL	Y	0.9	2.3							3.2	14.8			7.0	3.2	B	III	M	F	Widening crack
47	0.760	TL	LL	N	0.6	3.2							3.8	14.7								F	
50	0.801	TL	RL	Y	1.0	4.0							16.0	11.5								F	Bottom 6" left in hole.
51	0.811	TL	RR	Y	1.1	3.2							5.6	19.4								F	
69	1.096	TL	LL	Y	0.4	2.9							3.3	12.7								P	Delamination.
70	1.105	TL	LR	N	1.2	3.8							5.0		5.3							F	
AVERAGE					0.95	2.91							4.88	14.95	5.30			7.63	3.20				
MAX					1.40	4.00							16.00	21.40	5.30			9.50	3.20				
MIN					0.40	2.00							3.00	11.50	5.30			6.00	3.20				
LAYER COEF.					0.00	0.25	0.00	0.25						0.18	0.16			0.08					

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<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	<u>Lane Type</u> 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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Fin. Proj. ID:	451272-1	From:	Lee County Line			Shoulder Type and Condition:				
F.A. Project No.:		Roadway ID:	03010000			To: N of Old US 41				
County:	COLLIER	SR No.:	45			Inside: None				
Overall Pavement Condition (from DMO field review):		Fair	Beg MP:	0.000	End MP:	1.181	Length:	1.181	Outside:	Paved
			Median Curbed (Y/N):	Y	Paved:	N	Lawn:	Y	Other:	CONC
						Curb & Gutter (Y/N):		N		

Shoulder and GORE Cores (S / GO)

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	
					FC5	SP9.5	FC5	S								LR		ABC-2		DEPTH (IN.)	TYPE			CLASS
6	0.072	S	OR	N	1.4	2.1							3.5	10.5				8.0					F	
17	0.224	GO	GO	N	0.7	2.6							3.3	12.7									F	LL/L1-Gore
24	0.343	S	OL	N	1.3	2.4							3.7	21.3									F	
29	0.431	S	OR	N	1.0	2.2							3.2	20.8									F	
38	0.603	S	OL	N	0.9	1.6							2.5	10.0									F	
62	0.963	S	OR	N	1.2	2.6							3.8	17.7					2.1	A	III	M	F	Bike lane
68	1.092	S	OL	N	1.2	1.6							2.8	16.7									P	Delamination. Bike lane.
75	1.174	GO	GO	N	1.1	2.5							3.6		9.9								P	L3/LR-Gore
76	0.004	S	OL	N	1.2	2.7							3.9	8.1									F	Bike lane, after pavement change
77	0.350	S	OL	N	1.0	2.5							3.5	14.0									F	Bike lane
78	0.470	S	OR	N	1.2	3.0							4.2	16.3									F	Bike lane
79	0.665	S	OR	N	1.2	4.7							5.9	16.6					2.5	B	IB	L	F	Bike lane
80	0.960	S	OL	N	0.7	0.8							1.5	8.0				13.5					F	
81	1.060	S	OR	N	0.7	3.3							4.0	18.5									F	
AVERAGE					1.06	2.47							3.53	14.71	9.90			10.75	2.30					
MAX					1.40	4.70							5.90	21.30	9.90			13.50	2.50					
MIN					0.70	0.80							1.50	8.00	9.90			8.00	2.10					
LAYER COEF.					0.00	0.25	0.00	0.25						0.18	0.16			0.08						

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<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	<u>Lane Type</u> 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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F.A. Project No.:		Roadway ID:	03010000			To:	N of Old US 41										
County:	COLLIER	SR No.:	45			Beg MP:	0.000	End MP:	1.181	Length:	1.181	Inside:	None				
Overall Pavement Condition (from DMO field review):					Fair	Median Curbed (Y/N):	Y	Paved:	N	Lawn:	Y	Other:	CONC	Outside:	Paved	Curb & Gutter (Y/N):	N

Side Street Cores (SS)

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
					FC5	SP9.5	FC5	S								LR	ABC-2				DEPTH (IN.)	TYPE		
14	0.195	SS	NA	N	1.1	2.7							3.8	18.2								F	Audobon Co Club Rd.	
15	0.195	SS	NA	N	1.0	3.6							4.6	23.4								F	Sterling Oaks Blvd.	
27	0.393	SS	NA	Y	0.4	4.1							4.5	18.5								P	Unsigned Street	
45	0.709	SS	NA	N		1.7		0.8					2.5	20.0								F	The Retreat Ent.	
57	0.877	SS	NA	N		3.0	1.7	6.8					11.5	15.3								F	Tamiami Square	
58	0.894	SS	NA	N	1.0	2.3							3.3	23.2								F	Falling Wtr N Preserve, Bottom-up crack.	
AVERAGE					0.88	2.90	1.70	3.80					5.03	19.76										
MAX					1.10	4.10	1.70	6.80					11.50	23.40										
MIN					0.40	1.70	1.70	0.80					2.50	15.25										
LAYER COEF.					0.00	0.25	0.00	0.25						0.18	0.16						0.08			

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