

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

Cored By: HighSpans Engineering

Coring Completion Date: 9/23/2022

Typical Section: 17020000

W.P.I. No.:		Name:	SR 45 (US 41)				Lanes:	4 Lane Urban Principal Arterial Roadway / 2 Lane Each Direction							
Fin. Proj. ID:	446290-1	From:	S of Lychee Rd.				Shoulder Type and Condition:								
F.A. Project No.:		Roadway ID:	17020000		To:	S of Bay St.		Inside:				N/A			
County:	Sarasota	SR No.:	45		Beg MP:	4.258	End MP:	7.352	Length:	3.094		Outside:	Paved / Fair Condition with some new pavement		
Overall Pavement Condition (from DMO field review):				Fair		Median Curbed (Y/N):	N	Paved	Lawn: Y	Other:	Curb & Gutter (Y/N): Inside: Y; Outside: N				

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	COMMENTS
					FC5	FC9.5	FC3	SP9.5	SP12.5	S	S2	Bind	LR	SHEL		Conc	ABC-2	DEPTH (IN.)	TYPE		CLASS	EXTENT				
29	5.864	TL	RR	N	1.1			1.7						2.8		6.0							F	RRTL		
30	6.290	TL	RL	Y	0.8			1.7						2.5				5.4	8.0				F	RLTL		
31	6.728	TL	RL	N	0.6			4.4						5.0				9.3					P	RLTL		
32	6.920	TL	RL	N	0.8			0.6		0.7		1.8		3.9	7.8					3.9	C	III	M	P	RLTL	
33	7.166	TL	RL	Y	1.0			2.0						3.0				6.9					P	RLTL		
34	7.110	TL	LL	Y	0.9			3.2						4.1				7.3					F	LLTL (2nd)		
35	6.347	TL	LL	N	0.8			6.4						7.2		6.5			10.0				F	LLTL		
36	6.155	TL	LL	N	0.9					0.6		2.1		3.6	8.3								F	LLTL		
37	6.069	TL	LR	Y	0.7			1.1		1.1				2.9	10.3					2.9	C	III	M	P	LRTL	
38	5.949	TL	LR	N	0.5			3.8						4.3				3.2		4.3	C	III	S	P	LRTL	
39	5.770	TL	LL	Y	0.8			1.2		2.0				4.0				3.8					P	LLTL		
40	5.368	TL	LL	N	0.6			1.0		0.5				2.1	10.0								F	LLTL		
41	5.073	TL	LR	N	0.7			1.1						1.8	11.5								F	LRTL		
42	4.695	TL	LL	N	0.7			1.0		1.6				3.3		7.7							F	LLTL		
43	4.688	TL	LR	Y	0.8			3.5						4.3				7.2		4.3	C	III	S	P	LRTL	
44	4.341	TL	LL	N	0.7			1.6				2.6		4.9	6.5								F	LLTL		
45	4.319	TL	C	N	0.9			0.5				1.8		3.2	9.5								F			
46	4.731	TL	C	N	0.7			1.2				2.9		4.8	7.3								F			
47	4.933	CO	CO	N	0.9			0.8		0.6		2.2		4.5	10.7								F			
48	5.353	TL	C	N	1.3			1.0				1.6		3.9	9.3								P			
49	5.488	TL	C	N	1.2			0.8				1.3		3.3	13.3								P			
50	6.477	CO	CO	N	0.8			1.1				2.3		4.2	7.8				26.0				F			
51	6.625	TL	C	N	0.8			1.0				2.7		4.5	10.0				22.0				F			
52	5.273	BR	R2	Y	1.0					1.8				2.8			UNK						F	BR #0037 Approach Slab		
53	5.290	BR	L1	N	1.0					1.4				2.4			UNK						F	BR #0014 Approach Slab		
54	5.289	BR	R1	N	1.3					1.7				3.0			UNK						F	BR #0037 Departure Slab		
55	5.271	BR	L2	N	1.1					2.1				3.2			UNK						F	BR #0014 Departure Slab		
56	5.283	BR	R1	N	1.5									1.5			UNK						F	BR #0037 Bridge Deck		

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All Cores

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					FC5	FC9.5	FC3	SP9.5	SP12.5	S	S2	Bind				LR	SHEL	Conc		ABC-2	DEPTH (IN.)	TYPE	CLASS			EXTENT
57	5.278	BR	R2	N	1.7										1.7			UNK						F	BR #0037 Bridge Deck	
58	5.285	BR	L1	N	1.3			1.4							2.7			UNK						F	BR #0014 Bridge Deck	
59	5.278	BR	L2	N	1.0			1.1							2.1			UNK						P	BR #0014 Bridge Deck	
60	4.292	SS	NA	N	1.3				0.6	2.1					4.0	8.0								F	Lychee Rd.	
61	4.314	SS	NA	Y	1.1					3.0					4.1		3.5							F	Gulf Ave.	
62	4.537	SS	NA	N	0.7					1.1					1.8	12.0					1.8	C	I	L	F	Giotto Dr.
63	4.667	SS	NA	N	0.7					3.2					3.9	6.5								F	Chardin Dr.	
64	4.663	SS	NA	N	1.1			3.4							4.5				5.8					F	Montana Ave.	
65	4.745	SS	NA	Y	1.1			0.9							2.0	12.7								F	1st St. E.	
67	5.060	SS	NA	N	1.0					1.8					2.8		18.0							F	Jessie Harbor Dr.	
68	5.125	SS	NA	Y	1.0			1.0							2.0	7.3					2.0	C	I	L	P	Rubens Dr.
69	5.126	SS	NA	N	1.3			1.3							2.6		5.5							F	Blackburn Bay	
70	5.233	SS	NA	Y			1.8								1.8	12.5					0.4	C	I	L	F	Silent Creek Wy.
71	5.356	SS	NA	N	1.6					5.4					7.0	5.5								F	Oscar Scherer State Park	
72	5.345	SS	NA	N	0.6					1.3					1.9		5.0				1.9	C	II	M	P	Shoreland Dr.
73	5.497	SS	NA	N	0.7			0.2		1.6					2.5		10.6				2.5	C	III	M	P	North Ln.
74	5.708	SS	NA	N	1.2			2.9							4.1				6.1		4.1	C	II	M	P	Luminary Blvd.
75	5.708	SS	NA	N	1.3										1.3		7.0				1.3	C	II	M	P	Southbay Dr.
76	5.923	SS	NA	Y	1.4			2.5							3.9		9.1							F	Habitat Blvd.	
78	6.091	TL	RR	Y	0.5					5.1					5.6	8.0					5.6	C	III	S	P	RRTL
79	5.044	ML	R2	N	0.7					1.9		2.0			4.6	12.0					4.6	C	III	S	P	
80	6.085	TL	RR	Y		0.5				4.1					4.6	6.9								P	RRTL	
AVERAGE					0.93	0.50	1.80	2.52	1.49	1.86	2.90	2.00		3.94	9.23	8.21	5.00	6.36	15.50	3.05						
MAX					1.70	0.50	1.80	12.30	2.10	5.40	2.90	2.90		12.90	14.00	18.00	5.00	9.30	26.00	5.60						
MIN					0.30	0.50	1.80	0.20	0.60	0.30	2.90	1.30		1.30	4.00	3.50	5.00	3.20	8.00	0.40						
LAYER COEF.					0.00	0.25	0.17	0.25	0.25	0.25	0.25	0.20			0.18	0.18	UNKW	0.16	0.08							

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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.

<u>Lane Designations - Decreasing MP</u>	<u>Lane Designations - Increasing MP</u>	<u>Lane Type</u>		<u>Crack Type</u>	<u>Crack Rating</u>	<u>Extent</u>	<u>Pavement Condition</u>
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