

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

Cored By: Madrid Engineering Group

Coring Completion Date: 12/27/2021

Typical Section:

W.P.I. No.:				Name: SR 590				Lanes: 4																			
Fin. Proj. ID: 441656-1				From: E of Leonard Drive				Shoulder Type and Condition: Lawn, Good																			
F.A. Project No.:				Roadway ID: 15050005				To: Delaware Street																			
County: Pinellas				SR No.: 590				Beg MP: 0.991				End MP: 2.410				Length: 1.419				Inside: None				Outside: Paved			
Overall Pavement Condition (from DMO field review): Fair								Median Curbed (Y/N): N				Paved				Lawn:				Other:				Curb & Gutter (Y/N): 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	RUT DEPTH - LWP (IN.)	RUT DEPTH - RWP (IN.)	CROSS SLOPE (%) ⁴	COMMENTS			
					FC3	FC9.5	FC12.5	SP9.5	T1	S	S2	T1	S2	RAP		BRCK	BRCK	LR	ABC-1	CONC		RCA	SHEL	DEPTH (IN.)	TYPE						CLASS	EXTENT	
1	1.023	ML	R1	N		1.1				2.0	1.9					5.0			11.7						5.0	C	III	S	P				BASE IS CONCRETE, ASPHALT, LIMEROCK AND SHELL
2	1.068	TL	RR	N		1.1		0.5		1.3					2.9		17.0							2.9	C	III	S	P				BASE CRACK	
3	1.086	SS	L1	Y		1.1				1.1					2.2		16.0							2.2	C	III	M	F				ENTRANCE	
4	1.140	SS	L1	Y		1.0		2.3		0.8					4.1		18.5															ENTRANCE	
5	1.194	TL	RR	Y		1.0		1.4		1.1					3.5		17.0							3.5	C	III	S	P				BASE CRACK	
6	1.248	SS	L3	N		0.9		0.9		1.5					3.3		17.0															MCMULLEN BOOTH	
7	1.287	ML	R1	N		1.1		5.2							6.3		16.0																
8	1.458	ML	R1	N		1.1		1.7				3.8			6.6	2.9								6.6	C	III	S	P				ASPHALT BRICK BASE	
9	1.749	SS	R1	N			1.5	0.8				0.9			3.2			9.5														FERN TERR	
10	1.806	SS	R1	Y			2.2					0.9			3.1			2.0														HARBOR HILLS PKWY	
11	1.851	ML	R1	N		1.1		1.9	1.7	2.1					6.8			11.8						6.8	C	III	S	P				WIDENING CRACK, CONCRETE, AND SHELL BASE	
12	1.851	S	OR	N		1.0		2.2							3.2			6.0															
13	1.866	SS	R1	Y	0.9					3.1					4.0			13.5														ALBERT ANNA CT	
14	1.902	SS	R1	Y		1.3				2.2					3.5		11.0							3.5	C	II	M	P				7TH ST S, BASE CRACK	
15	1.929	ML	R1	Y		1.1		2.3				1.2			4.6		11.0																
16	1.932	S	OR	N		1.5		3.5							5.0			4.2															
17	2.082	ML	R1	N		1.1		1.5	0.7			3.4			6.7	3.2	5.0							6.7	C	III	M	P				BASE IS BRICK OVER LIMEROCK	
18	2.164	SS	L1	Y		0.9		1.5	0.6						3.0		13.0															LANDFILL AVE	
19	2.229	SS	L1	Y		1.1		1.0		0.6					2.7		7.0															WILLOW POND	
20	2.313	SS	L1	Y				2.4							2.4		3.0															10TH AVE	
21	2.313	SS	R1	Y				2.8							2.8			1.8														4TH ST	
22	2.361	SS	R1	Y	0.3					1.2					1.5		11.0															SUWANEE ST	
23	2.397	ML	R1	N		1.0		0.9	4.3						6.2		9.0		13.6					6.2	C	III	S	P				BASE IS LR AND CONCRETE, WIDENING CRACK	
24	2.364	SS	L1	Y		1.3		2.3							3.6		12.0															SUWANEE ST	
25	2.274	ML	L1	Y		1.0		1.9	0.6						3.5		12.0		10.0					3.5	C	III	S	P				BASE IS ABC, LR, CONC; WIDENING CRACK	
26	2.268	S	OL	N		1.3		2.7							4.0			2.4															
27	2.205	SS	R1	N		0.5		1.3							1.8			2.2														11TH AVE	
28	2.145	SS	L1	Y		1.0		1.9							2.9		12.0															BASE MIX OF LIMEROCK AND SHELL	
29	2.130	ML	L1	N		1.2		1.6	0.6			2.0			5.4									5.4	C	III	S	P					
30	2.100	SS	R1	Y		1.1		1.5				1.9			4.5		14.0															13TH ST	
31	2.040	SS	L1	Y		0.8		1.2							2.0			2.6															
32	2.016	ML	L1	N		1.3		2.1	0.4			2.4			6.2									6.2	C	III	S	P					
33	1.989	SS	L1	Y		1.3				4.3					5.6		5.5															OAK HAVEN DR	
34	1.899	SS	L1	Y		0.5		2.4							2.9		9.0															HARBOR HILL DR	
35	1.764	SS	L1	Y		0.9		2.2				2.3			5.4		4.0															PALMETTO ST, BOTTOM UP CRACK	
36	1.728	ML	L1	N		1.3		2.1				1.2			4.6		4.5							4.6	C	III	S	P				WIDENING CRACK	
37	1.554	SS	R1	Y		0.6		2.0							8.7					6.0												HARBOR HILL DR CRUSHED CONCRETE BASE	
38	1.491	ML	L1	Y		0.9		1.6	0.5			1.4			4.4	2.6	4.0							4.4	C	III	S	P				BASE IS ASPHALT BRICK, LR UNDERNEATH	
39	1.491	S	OL	N		1.5		1.2							2.7			5.8															
40	1.344	TL	LL	Y		1.0		0.6	2.1			1.9			5.6	2.7	4.0							5.5	C	III	S	P				BASE IS ASPHALT BRICK, LR UNDERNEATH	
41	1.284	TL	LL	N		0.7		0.8				6.0			4.5	2.4																BASE IS ASPHALT BRICK, LR UNDERNEATH	

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F.A. Project No.:	Roadway ID: 15050005	To: Delaware Street
County: Pinellas	SR No.: 590	Beg MP: 0.991
Overall Pavement Condition (from DMO field review): Fair	Median Curbed (Y/N): N	Paved
	End MP: 2.410	Length: 1.419
	Lawn:	Other:
		Inside: None
		Outside: Paved
		Curb & Gutter (Y/N): 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	RUT DEPTH - LWP (IN.)	RUT DEPTH - RWP (IN.)	CROSS SLOPE (%) ⁴	COMMENTS
					FC3	FC9.5	FC12.5	SP9.5	T1	S	S2	T1	S2	RAP	BRCK		BRCK	LR	ABC-1	CONC	RCA	SHEL		DEPTH (IN.)	TYPE	CLASS	EXTENT					
42	1.242	SS	LR	N		1.5				1.9						3.4		15.0									F				MCMULLEN BOOTH,	
43	1.083	ML	L1	Y		1.1					0.9	1.4	1.1			4.5	2.9	4.0							4.5	C	III	S	P			BASE IS ASPHALT BRICK, LR UNDERNEATH
44	1.053	TL	LR	N		1.0		1.1			2.0					4.1		16.0							2.1	C	III	S	P			
45	1.017	SS	R1	Y		1.8										1.8		7.0									F				LAWRENCE DR	
46	1.116	TL	C	Y		0.8		0.9			0.8	2.0	1.7			6.2	2.8								6.2	C	III	S	P			ASPHALT BRICK BASE
47	1.206	TL	RL	N		1.4		3.3								4.7		6.0									F				WIDENING	
48	1.296	TL	LL	N		1.0				5.2		6.0	2.6			14.8	2.6										F				ASPHALT BRICK BASE	
49	1.206	TL	RL	N		1.1		3.0								4.1			8.5								F				WIDENING, LEFT OF 47	
50	1.206	TL	RL	N		1.3		3.1								4.4		15.0									F				WIDENING, RIGHT OF 47	
51	1.023	ML	R1	N		1.2				1.8	2.3					5.3	2.7					5.0			5.2	C	II	M	F			WIDENING, LEFT OF 1, ASPH BRCK W SHELL UNDER
52	1.023	ML	R1	N		1.0		1.0				10.0				12.0						3.0					F				WIDENING, RIGHT OF 1	
53	1.851	ML	R1	N		0.9		2.0				1.5	2.4			6.8	3.2					3.0					F				WIDENING, LEFT OF 11, ASPH BRCK W SHELL UNDER	
54	1.851	ML	R1	N		1.1		2.3				0.9				4.3		5.0									F				WIDENING, RIGHT OF 11	
55	2.274	ML	L1	N		1.0		1.6	2.1		2.6					7.3											F				WIDENING, LEFT OF 25	
56	2.274	ML	L1	Y		1.1		1.9	0.3							3.3		12.0									F				WIDENING, RIGHT OF 25	
57	2.397	ML	R1	N		1.5			4.7		2.7					8.9											F				WIDENING, LEFT OF 23	
58	2.397	ML	R1	Y		1.7			3.4							5.1		11.0									F				WIDENING, RIGHT OF 23	
59	1.728	ML	L1	N		1.0		2.3	1.1		1.6					6.0											F				WIDENING, LEFT OF 36	
60	1.728	ML	L1	Y		1.5		1.9	1.1							4.5		6.0									F				WIDENING, RIGHT OF 36	

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County: Pinellas	Beg MP: 0.991	End MP: 2.410
SR No.: 590	Length: 1.419	Outside: Paved
Overall Pavement Condition (from DMO field review): Fair	Median Curbed (Y/N): N	Paved
	Lawn:	Other:
		Curb & Gutter (Y/N): 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	RUT DEPTH - LWP (IN.)	RUT DEPTH - RWP (IN.)	CROSS SLOPE (%) ⁴	COMMENTS
					FC3	FC9.5	FC12.5	SP9.5	T1	S	S2	T1	S2	RAP	BRCK		BRCK	LR	ABC-1	CONC	RCA	SHEL		DEPTH (IN.)	TYPE	CLASS	EXTENT					
AVERAGE					0.60	1.11	1.85	1.88	1.61	2.13	1.99	2.85	2.04	6.10		4.87	2.83	10.13	5.32	11.78	6.00	3.67		4.79								
MAX					0.90	1.80	2.20	5.20	4.70	6.00	3.40	10.00	2.60	6.10		14.80	3.20	18.50	13.50	13.60	6.00	5.00		6.80								
MIN					0.30	0.50	1.50	0.50	0.30	0.60	0.80	0.90	1.10	6.10		1.50	2.60	3.00	1.80	10.00	6.00	3.00		2.10								
LAYER COEF.					0.17	0.25	0.25	0.25	0.23	0.25	0.25	0.23	0.25	#N/A	UNKW		UNKW	0.18	0.14	UNKW	0.18	0.18	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>	<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	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	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	C - Combination	Class III - Cracks > 1/4 inch	S - Severe	P - Poor
		S - Shoulder				
		SS - Side Street				
		BR - Bridge Approach/Departure				