

State of Florida Department of Transportation
PAVEMENT EVALUATION AND CONDITION DATA SHEET

Project No.:		432443-1		Cored By:		Elipsis Engineering and Consulting		Date:		July 27, 2014		Page No.:		MASTER									
County:		Brevard		Highway Sect. No.:		70100		From:		West of Tucker Lane		To:		Aurora St									
Road No.:		SR 520		Begin MP:		4.700		End MP:		7.746		Length:		3.046									
Core No.	MP	Distance from left edge of lane (ft)	Lane	Wheel Path	Pavement Layer (in.)							Base		Crack				Pav. Cond.	Rut Depth (in)	Cross Slope (%)	Comments		
					FC-5	Type SP	ARMI	Type S	Type II w/Shell	Leveling	Mineral Seal	Core Length (in)	Type	Thick-ness (in)	Depth (in)	Type	Class					Extent	
1	4.762	10.0	R2	X	0.9	1.8		1.4				4.1	LR	9.4	3.1	Br	II	L	F				
2	4.762	1.5	OR		0.8	1.5						2.3	LR*	5.7	B	Br	II	L	F				Split core. 5.7" LR base to R2 direction. 11.9" PCC base opposite R2 direction. Overlaid driveway.
3	5.486	10.0	R2	X	0.9	2.3		2.1				5.3	LR	11.2	—	—	—	—	F				
4	5.486	2.0	OR		0.6	1.2						1.8	LR	6.2	—	—	—	—	F				
5	5.624	2.0	RRTL	X	1.4	0.7		0.6				2.7	LR	12.1	—	—	—	—	F				
6	5.857	2.5	R2	X	0.5	2.8		1.3				4.6	LR	11.4	2.0	Br	III	M	P				Targeted Core for Cracking
7	5.857	1.5	OR		1.4	1.5						2.9	LR	—	—	—	—	—	F				
8	6.225	3.5	R2	X	0.7	1.7		3.3				4.7	LR	10.6	1.6	SL	I	L	F				
9	6.225	2.5	OR		1.5	2.8						4.3	LR	—	—	—	—	—	F				
10	6.462	7.0	RRTL		0.3	2.2		4.5				7.0	LR	7.5	B	SL	I	L	F				Asphalt fell apart during extraction and was not retrievable. 7 inches of asphalt was measured in core hole.
11	6.730	10.0	R2	X	1.0	1.7		2.0				4.7	LR	11.3	—	—	—	—	F				Targeted Core Location/S-II bottom layer
12	6.730	2.0	OR		0.7	1.9						2.6	LR	3.9	—	—	—	—	P				
13	6.975	9.0	R2	X	0.8	2.4		1.6				4.8	LR	—	—	—	—	—	F				Targeted Core Location/S-II bottom layer
14	6.975	2.0	RRTL	X	0.7	2.5						3.2	LR	—	—	—	—	—	F				
15	7.231	3.0	R2	X	0.5	2.8		1.9				5.2	LR	10.8	2.5	SL	III	S	F				Targeted Core Location
16	7.231	2.0	OR	X	0.7	1.0						1.7	LR	—	—	—	—	—	P				
17	7.556	2.5	R2	X	0.5	2.1		2.5				5.1	LR	—	3.2	SL	II	M	F				
18	7.677	3.5	L2	X	0.9	1.3	0.4	1.5	1.3			5.4	SBRM	10.5	B	SL	II	S	F				10.5 inches of SBRM base
19	7.410	9.5	LRTL	X	0.9	2.4						3.3	ABC	9.9	—	—	—	—	F				to Clear Lake Rd. core fractured during extraction
20	7.260	9.5	L2	X	1.0	2.0	0.6	3.4		0.3	0.2	7.5	SBRM	9.8	—	—	—	—	F				0.2 inches mineral seal under leveling course 9.8 inches of SBRM base
21	7.260	1.5	OL		1.3	0.9						2.2	LR	4.8	—	—	—	—	F				
22	6.974	3.0	L2	X	0.8	1.7	0.7	2.6		0.2	0.2	6.2	SBRM	16.2	1.5	SL	II	M	F				0.2 inches mineral seal under leveling course 16.2 inches of SBRM base
23	6.728	3.0	L2	X	0.9	1.6	1.0	2.0		0.1	0.2	5.8	SBRM	7.5	—	—	—	—	F				0.2 inches mineral seal under leveling course 7.5 inches of SBRM base
24	6.728	1.5	OL		0.7	1.2						1.9	LR	—	—	—	—	—	P				
25	5.775	2.5	L2	X	1.0	2.1		2.3				5.4	LR	9.1	—	—	—	—	F				core fractured during extraction

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					FC-5	Type SP	ARMI	Type S	Type II w/Shell	Leveling	Mineral Seal	Core Length (in)	Type	Thick-ness (in)	Depth (in)	Type	Class					Extent	
26	5.775	1.5	OL		0.9	1.6						2.5	LR	—	—	—	—	—	P				
27	5.600	10.0	LRTL	X	0.8	1.9						2.7	ABC	11.3	—	—	—	—	F				to Brevard County Fire Rescue some pavement rippling
28	5.486	2.0	L2	X	0.7	1.6		1.3				3.6	LR	11.2	2.1	SL	II	M	F				
29	5.486	1.5	OL		1.1	1.1						2.2	LR	4.8	—	—	—	—	F				
30	4.778	9.5	L2	X	0.8	1.9	0.7	3.6		0.5	0.2	7.7	SBRM	9.1	1.6	SL	II	M	F				0.2 inches mineral seal under leveling course 9.1 inches of SBRM base
31	4.778	2.0	OL		0.9	0.9		2.2				4.0	CC*	16.0	—	—	—	—	F				OL serves as a bike lane *crushed concrete base
32	4.763	9.0	R1	X	0.9	2.5		1.2				4.6	LR	8.4	1.6	SL	III	M	F				
33	4.860	1.5	RLTL		0.6	1.7		4.9				7.2	LR	10.8	—	—	—	—	F				To I-95 northbound
34	5.465	12.0	MXO		1.0	1.9		2.0				4.9	LR	14.1	—	—	—	—	P				
35	5.486	3.0	R1	X	0.7	1.7		1.6				4.0	LR	11.9	—	—	—	—	F				
36	5.735	17.5	MXO			2.0		2.3				4.3	LR	10.2	—	—	—	—	P				Marshall S-II bottom layer
37	5.857	3.0	R1	X	1.1	2.7		1.2				5.0	LR	—	0.4	SL	I	L	F				Targeted Core for Cracking
38	6.125	10.0	RLTL	X	0.7	1.2		1.8				3.7	LR	13.3	—	—	—	—	F				to Bob Steele Chevrolet
39	6.223	9.5	R1	X	0.8	2.7		1.2				4.7	LR	11.3	1.9	Br	I	L	F				
40	6.310	2.0	RLTL	X	0.7	1.6		1.9				4.2	LR	12.3	—	—	—	—	F				
41	6.675	10.0	MXO			1.2		0.9				2.1	LR	13.4	—	—	—	—	F				negative slopes towards L1
42	6.729	2.0	R1	X	0.8	2.0		1.1				3.9	LR	12.6	—	—	—	—	F				Targeted Core Location
43	6.973	4.0	R1		0.8	2.3		1.2				4.3	LR	—	1.8	SL	I	L	F				
44	7.227	7.5	R1		0.8	2.6		1.4				4.8	LR	11.1	2.2	SL	II	L	F				
45	7.330	9.0	RLTL	X	0.8	2.1		2.0				4.9	LR	10.6	—	—	—	—	F				to Clear Lake Rd. core fractured during extraction
46	7.533	2.0	R1	X	0.8	1.9		2.1				4.8	LR	—	—	—	—	—	F				some OWP rippling present
47	7.626	7.5	L1		0.8	1.9		4.2		0.2	0.2	7.3	SBRM	17.7	2.1	SL	III	S	F				0.2 inches of mineral seal under leveling course 17.7 inches of SBRM base
48	7.533	10.0	MXO		0.9	2.2		2.9				6.0	LR	8.0	—	—	—	—	F				negative slopes towards R1 core fractured during extraction
49	7.386	2.5	LLTL	X	0.8	1.2		3.2				5.2	LR	10.4	—	—	—	—	F				to Clear Lake Rd
50	7.262	4.0	L1	X	0.9	2.8		7.9	1.4		0.1	13.1	SBRM	7.8	—	—	—	—	F				0.1 inches of mineral seal under leveling course 7.8 inches of SBRM base

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					FC-5	Type SP	ARMI	Type S	Type II w/Shell	Leveling	Mineral Seal	Core Length (in)	Type	Thick-ness (in)	Depth (in)	Type	Class					Extent
51	6.973	9.0	L1	X	0.7	2.0		4.4		0.2	0.2	7.5	SBRM	8.3	B	ST	III	S	F			Targeted Core Location 0.2 inches of mineral seal under leveling course. 8.3" SBRM
52	6.925	2.0	LLTL	X	1.3	3.8						5.1	LR	16.4	—	—	—	—	F			to Honda dealership
53	6.730	2.0	L1	X	1.0	2.2		6.4	1.2		0.2	11.0	SBRM	5.3	—	—	—	—	F			Targeted Core Location 0.2 inches of mineral seal under leveling course. 5.3" SBRM
54	6.510	10.0	L2	X	0.9	1.9		3.1				5.9	SBRM	8.6	—	—	—	—	F			8.6 inches of SBRM base
55	6.510	1.5	OL		0.8							0.8	PCC	7.9	B	ST	III	S	P			Overlaid PCC driveway
56	6.460	9.0	L1	X	0.8	2.3		3.2			0.1	6.4	SBRM	15.6	—	—	—	—	F			15.6 inches SBRM base
57	6.075	9.0	L1	X	0.8	2.1		3.5			0.2	6.6	SBRM	—	2.0	SL	III	S	F			0.2 inches of mineral seal under leveling course 16.2 inches of SBRM base
58	6.075	7.5	LLTL		1.1	1.6		0.9				3.6	LR	9.9	—	—	—	—	F			
59	5.486	9.0	L1	X	0.8	1.7		1.7				4.2	LR	10.8	2.4	SL	III	S	F			
60	5.486	7.0	LLTL		1.0	1.6		1.6				4.2	LR	10.3	—	—	—	—	F			to U-turn
61	4.775	1.5	L1		0.6	2.0		9.3	0.6		0.1	12.6	SBRM	15.3	—	—	—	—	F			0.1 inches of mineral seal under leveling course 15.3 inches of SBRM base
62	4.778	10.0	LRTL	X	0.9	2.9		1.4				5.2	CC*	8.3	—	—	—	—	F			*crushed concrete base
63	4.778	2.5	OL		1.2	1.9						3.1	ABC	6.2	—	—	—	—	F			