

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

Project No.: 427253-1				Cored By: Ellis & Associates, Inc.										Date: 9/15/2010				Page No.: 1 of 5					
County: Flagler				Highway Sect. No.: 73030										From: S of Island Estates Parkway				To: St. Johns County Line					
Road No.: SR A1A				Begin M.P.: 10.257										End M.P.: 18.595				Length: 8.338 Miles					
Core No.	MP	Distance from left edge of lane (ft)	Lane	Wheel Path	Pavement Layer (in.)								Base		Crack				Pavt Cond.	Rut Depth (in)	Cross Slope (%)	Comments	
					FC-6	FC-4	FC-3	Type S	ARMI	Type S	ST		Core Length (in)	Type	Thick-ness (in)	Depth (in)	Type	Class					Extent
1	18.480	7.7	L1	X	-	-	1.2	1.8	0.5	0.8	0.6	-	4.9	SBRM	5.8	B	Br	I	M	P			
2	18.480	0.5	OL	-	-	-	1.1	1.9	-	-	0.5	-	3.5	SBRM	7.0	-	-	-	-	F			
3	18.330	7.6	L1	X	-	-	1.0	2.0	0.3	1.2	0.6	-	5.1	SBRM	8.4	-	-	-	-	F			No crack in vicinity of core location
4	18.330	0.7	OL	-	-	-	2.0	2.1	-	-	0.5	-	4.6	SBRM	4.4	-	-	-	-	F			
5	18.005	7.4	L1	X	-	-	0.8	3.0	0.4	0.9	0.5	-	5.6	SBRM	6.9	0.1	Br	I	S	P			
6	18.000	1.1	OL	-	-	-	0.8	4.0	-	-	-	-	4.8	LShell	2.2	B	T	I	L	P			
7	17.515	8.5	LRTL	X	1.5	-	-	2.2	-	-	-	-	3.7	LR	9.8	-	-	-	-	G			LRTL to Beach Haven Parkway No crack in vicinity of core location
8	17.500	4.0	RLTL	X	1.4	-	-	2.6	0.5	2.0	0.8	-	7.3	SBRM	5.7	-	-	-	-	F			RLTL to Beach Haven Parkway
9	17.450	7.6	L1	X	1.4	-	-	2.2	-	-	-	-	3.6	LR	10.4	-	-	-	-	G			No crack in vicinity of core location
10	16.400	8.0	L1	X	-	-	1.3	2.7	0.5	1.0	0.7	-	6.2	SBRM	3.3	0.8	Br	I	S	P			Ripples in vicinity of core location
11	15.930	6.5	L1	-	-	-	1.0	3.5	0.5	1.0	0.6	-	6.6	SBRM	4.9	0.5	Br	I	S	P			
12	15.925	13.1	OL	-	-	-	0.7	2.3	-	-	-	-	9.8	ABC	6.8	-	Br	I	L	P			
13	15.310	9.0	LLTL	-	-	-	1.0	3.0	0.4	3.9	0.5	-	8.8	SBRM	7.7	1.8	Br	II	M	P			LLTL to Sea Colony Drive
14	15.270	6.5	L1	X	-	-	1.2	3.0	0.6	2.0	-	-	6.8	LR	7.2	0.2	Br	I	S	P			Right Wheel Path-Widening
15	14.985	8.5	LLTL	X	-	-	1.5	2.3	0.3	2.5	0.7	-	7.3	SBRM	7.7	0.3	Br	I	L	P			LLTL to Armand Beach Drive
16	14.955	9.0	L1	X	-	-	1.1	2.9	0.5	1.4	-	-	5.9	LR	15.1	0.6	Br	I	M	P			Right Wheel Path-Widening

Remarks: Crack Types: L=Longitudinal, T=Transverse, A=Alligator, Bl=Block, Br=Branch, C=Combination

S/S = Stabilized Subgrade, LR = Limerock, SBRM = Sand Bituminous Road Mix, ABC = Asphalt Base Course

Core No. 21: LLTL to Suntrust / Publix, No crack in vicinity of core location, Severe raveling in vicinity of core location

Crack Extent: L=Light, M=Moderate, S=Severe

Pavement Condition: G=Good, F=Fair, P=Poor

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Road No.: SR A1A				Begin M.P.: 10.257										End M.P.: 18.595				Length: 8.338 Miles						
Core No.	MP	Distance from left edge of lane (ft)	Lane	Wheel Path	Pavement Layer (in.)								Base		Crack				Pavt Cond.	Rut Depth (in)	Cross Slope (%)	Comments		
					FC-6	FC-4	FC-3	Type S	ARMI	Type S	ST		Core Length (in)	Type	Thick-ness (in)	Depth (in)	Type	Class					Extent	
17	14.365	9.0	L1	X	-	-	1.0	2.8	0.4	0.8	0.5	-	5.5	SBRM	5.5	1.0	BR	I	M	P				
18	14.360	2.0	OL	-	-	-	1.0	3.0	-	-	-	-	9.5	ABC	5.5	-	-	-	-	F				No crack in vicinity of core location
19	13.825	6.5	L1	-	-	-	1.0	3.4	0.5	0.5	0.6	-	6.0	SBRM	3.0	0.6	BR	II	S	P				
20	13.680	10.0	LLTL	-	-	-	1.1	3.5	0.2	1.7	0.6	-	7.1	SBRM	4.4	0.1	BR	I	S	P				LLTL to 16th Road
21	13.635	3.0	RLTL	X	-	-	1.0	3.1	0.3	1.3	0.6	-	6.3	SBRM	5.7	-	-	-	-	P				SEE REMARKS
22	13.495	9.5	L1	X	1.5	-	-	1.7	-	-	-	-	3.2	LR	10.8	-	-	-	-	F				Right Wheel Path-Widening No crack in vicinity of core location
23	13.225	10.0	L1	X	-	-	0.9	3.1	0.3	0.6	0.5	-	5.4	SBRM	6.6	1.0	BR	I	L	P				
24	13.220	1.3	OL	-	-	-	0.8	2.0	-	-	-	-	5.9	ABC	3.1	-	-	-	-	F				
25	12.720	2.0	L1	-	-	-	1.1	3.3	0.6	2.3	0.7	-	8.0	SBRM	6.5	0.1	BR	I	S	P				
26	12.600	8.0	LLTL	X	-	-	1.0	3.0	0.5	1.7	0.7	-	6.9	SBRM	6.1	-	-	-	-	F				LLTL to Cinnamon Grove Village No crack in vicinity of core location
27	12.380	9.0	LRTL	X	-	-	1.1	1.6	-	-	-	-	2.7	LR	11.3	-	-	-	-	F				LRTL to Jungle Hut Road No crack in vicinity of core location
28	12.240	3.0	RLTL	-	-	-	1.0	3.4	0.3	1.0	0.6	-	6.3	SBRM	5.7	0.2	BR	I	M	P				RLTL to Jungle Hut Road Crowned: Left half= 1.1% Right half= 3.3%
29	12.295	9.5	L1	X	-	-	1.0	2.4	-	-	-	-	3.4	LR	11.6	0.1	BR	I	M	P				Right Wheel Path-Widening
30	11.940	9.0	LRTL	X	-	-	1.0	2.9	0.3	1.9	-	-	6.1	LR	16.9	0.1	BR	I	M	P				LRTL to Yacht Harbor Drive
31	11.915	10.0	RLTL	-	-	-	1.2	3.3	0.4	4.0	0.6	-	9.5	SBRM	3.0	0.2	BR	I	S	P				RLTL to Yacht Harbor Drive 0.5" FC-2 layer embedded 5.5" down from top
32	11.880	8.0	L1	X	-	-	0.8	3.5	0.4	0.9	-	-	5.6	LR	11.9	0.1	BR	I	S	P				Right Wheel Path-Widening

Remarks: Crack Types: L=Longitudinal, T=Transverse, A=Alligator, Bl=Block, Br=Branch, C=Combination

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County: Flagler					Highway Sect. No.: 73030								From: S of Island Estates Parkway				To: St. Johns County Line							
Road No.: SR A1A					Begin M.P.: 10.257								End M.P.: 18.595				Length: 8.338 Miles							
Core No.	MP	Distance from left edge of lane (ft)	Lane	Wheel Path	Pavement Layer (in.)								Base		Crack				Pavt Cond.	Rut Depth (in)	Cross Slope (%)	Comments		
					FC-6	FC-4	FC-3	Type S	ARMI	Type S	ST	Core Length (in)	Type	Thick-ness (in)	Depth (in)	Type	Class	Extent						
33	11.600	2.5	L1	-	-	-	1.0	3.4	0.3	1.3	0.5	-	6.5	SBRM	7.0	0.1	BR	I	M	P				
34	11.595	1.5	OL	-	-	-	0.6	2.5	-	-	-	-	12.0	ABC	8.9	-	-	-	-	F				
35	11.165	2.3	L1	X	-	-	1.0	3.2	0.4	0.5	0.5	-	5.6	SBRM	8.4	0.1	BR	I	S	P				
36	10.910	4.0	L1	-	-	-	0.8	3.6	0.3	1.9	0.7	-	7.3	SBRM	5.7	0.4	BR	I	M	P				
37	10.900	1.5	OL	-	-	-	1.0	-	-	3.4	-	-	9.0	ABC	4.6	-	-	-	-	F				
38	10.615	8.0	L1	X	-	0.9	-	3.3	-	-	-	-	4.2	LR	7.8	B	A	III	S	P				
39	10.505	1.5	LRTL	X	-	0.6	-	2.1	-	-	-	-	2.7	LR	8.3	B	BR	II	S	P				LRTL to Island Estates Parkway Delamination Present
40	10.485	10.0	L1	X	-	0.7	-	2.7	-	-	-	-	3.4	LR	8.1	B	A	III	S	P				
41	10.338	8.5	R1	-	-	-	-	3.5	-	-	-	-	3.5	SBRM	6.5	1.3	L	II	M	P				Delamination Present Top Lift disintegrated upon core removal
42	10.425	3.0	RRTL	X	-	0.3	-	3.0	-	-	-	-	3.3	LR	9.2	-	-	-	-	P				RRTL to Camino Del Rey Parkway Raveling in vicinity of core location
43	10.450	9.0	R1	X	-	1.0	-	3.0	-	-	-	-	4.0	LR	7.5	B	A	III	S	P				Delamination Present
44	10.750	8.5	R1	X	-	-	0.8	3.5	0.3	0.6	0.7	-	5.9	SBRM	3.6	0.8	BR	II	S	P				
45	11.450	2.0	R1	X	-	-	1.0	3.0	0.4	0.7	0.9	-	6.0	SBRM	5.5	1.0	BR	II	M	P				Severe Class I Cracking in core vicinity
46	11.455	1.5	OR	-	-	-	1.0	3.2	-	-	-	-	10.9	ABC	6.7	1.6	T	I	L	P				
47	11.915	8.0	RRTL	-	-	-	1.3	2.7	0.3	0.6	-	-	4.9	LR	13.1	0.1	BR	I	S	P				RRTL to Camino Del Mar
48	11.950	9.8	R1	X	-	-	1.0	3.0	0.3	0.8	-	-	5.1	LR	12.4	0.8	BR	I	S	P				Right Wheel Path-Widening

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					FC-6	FC-4	FC-3	Type S	ARMI	Type S	ST		Core Length (in)	Type	Thick-ness (in)	Depth (in)	Type	Class					Extent
49	12.385	9.5	R1	X	-	-	1.0	4.5	-	-	-	-	5.5	LR	14.0	B	BR	I	M	P			Right Wheel Path-Widening Delamination of Bottom Lift
50	12.510	9.0	RRTL	X	-	-	1.0	2.1	-	-	-	-	3.1	LR	12.9	-	-	-	-	F			RRTL to Hammock Community Park No crack in vicinity of core location
51	12.920	8.0	R1	X	-	-	0.9	2.9	0.5	1.3	0.6	-	6.2	SBRM	2.3	0.1	BR	I	S	P			
52	12.925	1.0	OR	-	-	-	1.0	3.2	-	-	-	-	7.8	ABC	3.6	-	-	-	-	F			
53	13.615	9.5	RRTL	X	1.5	-	-	1.0	-	-	-	-	2.5	LR	11.5	-	-	-	-	F			RRTL to Suntrust / Publix No crack in vicinity of core location
54	13.660	7.5	RRTL	X	-	-	1.0	2.9	0.3	0.7	-	-	4.9	LR	16.1	0.1	BR	I	M	P			RRTL to 16th Road
55	13.690	9.3	R1	X	-	-	0.8	2.7	0.5	1.2	-	-	5.2	LR	14.3	0.1	BR	I	M	P			Right Wheel Path-Widening
56	13.920	10.0	R1	X	-	-	1.0	2.8	0.3	0.4	0.5	-	5.0	SBRM	6.5	0.4	BR	I	S	P			
57	13.925	1.5	OR	-	-	-	1.0	2.7	-	-	-	-	3.7	LR	9.3	-	-	-	-	F			
58	14.495	8.3	R1	X	-	-	0.8	3.0	0.2	0.5	0.7	-	5.2	SBRM	6.3	0.1	BR	I	M	P			
59	14.500	1.5	OR	-	-	-	0.6	3.2	-	-	-	-	3.8	LR	9.7	-	-	-	-	P			
60	14.965	2.8	RRTL	X	-	-	1.0	3.1	0.3	1.7	-	-	6.1	LR	13.9	-	-	-	-	F			RRTL to Armand Beach Drive No crack in vicinity of core location
61	14.990	8.0	R1	X	-	-	1.0	3.3	0.4	1.3	-	-	6.0	LR	15.0	2.8	BR	II	S	P			Right Wheel Path-Widening
62	15.280	5.0	RRTL	-	-	-	1.0	3.5	0.5	3.2	-	-	8.2	LR	6.3	1.3	BR	II	M	P			RRTL to Sea Colony Drive
63	15.303	8.0	R1	X	-	-	0.8	3.4	0.5	2.9	-	-	7.6	LR	6.9	0.3	BR	I	M	P			Right Wheel Path-Widening
64	15.820	8.0	R1	X	-	-	1.0	3.4	0.3	1.0	0.5	-	6.2	SBRM	5.8	0.6	BR	I	S	P			

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					FC-6	FC-4	FC-3	Type S	ARMI	Type S	ST		Core Length (in)	Type	Thick-ness (in)	Depth (in)	Type	Class					Extent
65	15.825	1.5	OR	-	-	-	1.0	4.5	-	-	-	-	5.5	LR	7.5	-	-	-	-	F			
66	16.360	6.8	R1	-	-	-	1.0	3.5	0.5	0.5	0.5	-	6.0	SBRM	5.0	0.5	BR	II	S	P			Grass 3" above pavement, poor drainage
67	17.600	7.8	R1	X	-	-	0.8	2.9	0.5	0.8	0.5	-	5.5	SBRM	5.5	0.3	BR	I	M	P			
68	17.605	1.8	OR	-	-	-	0.5	4.2	-	-	-	-	4.7	LR	8.3	-	-	-	-	F			
69	18.135	5.5	R1	-	-	-	1.0	2.8	0.8	0.4	0.6	-	5.6	SBRM	4.9	1.2	BR	I	S	P			
70	18.140	1.3	OR	-	-	-	1.2	3.6	-	-	-	-	4.8	LR	7.2	-	-	-	-	F			
71	18.350	8.3	R1	X	-	-	1.0	3.3	0.5	-	-	-	4.8	SBRM	7.2	0.9	BR	I	S	P			
72	18.350	1.5	OR	-	-	-	1.0	2.3	-	-	0.4	-	3.7	SBRM	6.3	-	-	-	-	F			
73	18.500	8.0	R1	X	-	-	1.0	2.3	0.5	0.2	0.5	-	4.5	SBRM	7.5	0.1	BR	I	M	P			
74	18.500	1.5	OR	-	-	-	1.2	2.6	-	-	0.5	-	4.3	SBRM	6.7	-	-	-	-	F			

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					FC-3	Type S							Core Length (in)	Type	Thick-ness (in)	Depth (in)	Type	Class					Extent	
75	0.767	6.7	L1	X	1.0	2.4	-	-	-	-	-	-	3.4	LR	8.1	0.2	Br	I	S	P				
76	0.690	3.0	LLTL	X	0.7	2.6	-	-	-	-	-	-	3.3	LR	9.7	0.4	Br	I	L	P				LLTL to North Entrance to Matanzas Shores
77	0.588	8.3	L1	X	0.5	3.3	-	-	-	-	-	-	3.8	LR	8.7	0.6	Br	II	S	P				
78	0.553	9.0	L2	X	0.9	2.8	-	-	-	-	-	-	3.7	LR	8.3	0.4	Br	II	S	P				
79	0.550	1.5	OL	-	0.5	2.7	-	-	-	-	-	-	3.2	LR	7.8	-	-	-	-	F				
80	0.331	8.2	LLTL	X	0.8	2.6	-	-	-	-	-	-	3.4	LR	9.6	-	-	-	-	F				LLTL to South Entrance to Matanzas Shores No crack in vicinity of core location.
81	0.270	6.7	L1	X	1.0	2.6	-	-	-	-	-	-	3.6	LR	7.9	0.1	Br	II	M	P				
82	0.158	2.0	L2	X	1.0	2.9	-	-	-	-	-	-	3.9	LR	8.1	0.2	Br	I	M	P				
83	0.135	8.0	R2	X	0.8	2.3	-	-	-	-	-	-	3.1	LR	8.9	0.4	Br	I	S	P				
84	0.192	4.0	R1	-	1.1	3.0	-	-	-	-	-	-	4.1	LR	8.9	0.7	Br	I	M	P				Grass 3" above pavement, poor drainage Voids observed in Type S layer
85	0.312	9.0	RRTL	X		5.5	-	-	-	-	-	-	5.5	LR	6.8	-	-	-	-	G				RRTL to South Entrance to Matanzas Shores Grass is 3" above pavement, poor drainage
86	0.430	1.5	OR	-	0.6	2.5	-	-	-	-	-	-	3.1	LR	4.9	-	-	-	-	F				Voids observed in FC-3 layer.
87	0.432	8.5	R2	X	1.0	2.4	-	-	-	-	-	-	3.4	LR	8.1	0.9	Br	II	S	P				Voids observed in entire core.
88	0.475	7.8	R1	-	1.0	2.9	-	-	-	-	-	-	3.9	LR	9.1	0.2	Br	I	M	P				
89	0.671	9.3	RRTL	X		5.1	-	-	-	-	-	-	5.1	LR	7.9	-	-	-	-	G				RRTL to North Entrance to Matanzas Shores Grass is 3" above pavement, poor drainage
90	0.749	4.0	R1	-	1.0	2.9	-	-	-	-	-	-	3.9	LR	9.1	0.1	Br	I	L	P				
Remarks: Crack Types: L=Longitudinal, T=Transverse, A=Alligator, Bl=Block, Br=Branch, C=Combination																								
S/S = Stabilized Subgrade, LR = Limerock, SBRM = Sand Bituminous Road Mix, ABC = Asphalt Base Course																								
Core No. 21: LLTL to Suntrust / Publix, No crack in vicinity of core location, Severe raveling in vicinity of core location																								
Crack Extent: L=Light, M=Moderate, S=Severe												Pavement Condition: G=Good, F=Fair, P=Poor												