

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

Project No.: FPN 432342-1					Cored By: Elipsis Engineering and Consulting								Date: 9/22/13 & 9/26/13				Page No.: 1 of 2					
County: Brevard					Highway Sect. No: 70120-004								From: East of Croton Rd.				To: SR 5 (US 1)					
Road No.: SR 518					Begin MP: 3.087								End MP: 4.457				Length: 1.370					
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-12.5	Type SP	Type S	Type II	Type I	Leveling Course	Surf. Trtmnt.	Core Length (in)	Type	Thick-ness (in)	Depth (in)	Type	Class	Extent				
1	4.271	3.0	L2	X	1.5		3.4					4.9	LR	17.1	1.1	Br	I	M	F			
2	3.912	10.0	LRTL	X	1.1		4.8					5.9	LR	15.6	—	—	—	—	F			Mosswood Drive
3	3.685	5.0	L2		1.6		0.7					2.3	LR	N/A	B	SL	II	S	F			
4	3.685	2.5	OL		1.8		2.7					4.5	LR	4.5	—	—	—	—	F			
5	3.541	3.0	LRTL	X	1.7		1.3					3.0	LR	7.8	—	—	—	—	F			Autumn Woods DriveRut Due to Joint
6	3.161	8.0	L2	X	1.3		2.1					3.4	LR	N/A	0.2	Br	I	L	F			Crack is not show on side of core
7	3.162	6.0	R2		1.3		1.5					2.8	LR	N/A	B	SL	II	M	F			
8	3.536	6.0	R2		1.7		1.6					3.3	LR	N/A	B	SL	III	S	F			
9	3.536	3.0	RRTL	X	1.6		3.9					5.5	LR	13.5	—	—	—	—	F			Eau Gallie 1st Baptist Church
10	3.712	8.0	R2	X	1.9		2.5					4.4	LR	N/A	—	—	—	—	F			
11	3.712	2.5	OR		1.8		4.8					6.6	LR	5.7	—	—	—	—	F			
12	4.118	1.5	R2		1.6		3.4					5.0	LR	17	1.9	SL	I	M	F			Highly segregated/Very fine gradation
13	4.411	11.0	RRTL		2.2		2.6					4.8	LR	15.2	—	—	—	—	F			To US 1 Southbound
22	4.410	5.5	CTL		1.4		2.7					4.1	LR	17.7	B	SL	II	L	F			Cypress Ave
23	4.269	6.5	L1		1.1		2.7					3.8	LR	14.7	B	SL	I	L	F			
24	3.738	4.5	L1		1.3		2.2					3.5	LR	12.5	B	SL	III	S	F			

Remarks: Crack Depth of "B" indicates full depth crack to the base. EOP = Edge of Pavement
Crack Extent: L= Light; M= Moderate; S= Severe **Pavement Condition:** G= Good; F= Fair; P= Poor **Crack Types:** A= Alligator; Bl= Block; Br= Branch
 SL= Single Longitudinal; ST= Single Transverse; R= Reflective; J= Joint; OGFC= Open-Graded FC Stress Crack
Base Types: LR= Limerock; COQ= Coquina; SC= Soil Cement; ABC= Asphalt Base; SAHM= Sand Asphalt Hot Mix; NB= No Base

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County: Brevard					Highway Sect. 70120-001								From: East of Pineapple Ave				To: SR 5 (US 1)						
Road No.: SR 518 WB					Begin MP: 0.085								End MP: 0.445				Length: 0.360						
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-12.5	Type SP	Type S	Type II	Type I	Leveling Course	Surf. Trtmt.	Core Length (in)	Type	Thick-ness (in)	Depth (in)	Type	Class	Extent					
18	0.100	10.0	RRTL	X	1.1	1.6	0.7					3.4	LR	9.6	—	—	—	—	F			Pineapple Avenue	
19	0.190	9.0	R2 (OWP)	X	1.3	0.7		0.8	3.4			6.2	LR	13.3	—	—	—	—	F				
20	0.190	3.0	R2 (IWP)	X		3.8						3.8	LR	10.2	—	—	—	—	F			Patch/Utility Repair Area	
21	0.326	3.0	R2	X	0.8	0.4	1.4				0.6	3.2	LR	6.8	B	SL	I	S	F			Severe OWP Rutting	
34	0.191	9.0	R1	X	1.2	1.5				1.3	0.4	4.4	LR	6.4	B	SL	I	L	F			The Core is actually 3' into the lane. The left edge starts at the shoulder. Positive slopes to R2	
35	0.191	2.5	IR	X	1.5	1.2						2.7	LR	6.8	—	—	—	—	F				
36	0.325	14.0	R1		1.0	1.5	1.3			1.3	0.5	5.6	LR	7.4	B	SL	II	S	F			The Core is actually 8.5' into the lane. The left edge starts at the shoulder. Positive slopes to R2	
37	0.375	3.5	RLTL	X	1.5	1.1						2.6	LR	7.4	B	SL	II	S	F				

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Supplemental Data to PECD

(GPS Coordinates for Each Locations Cored)

SR 518

FIN: 432342-1

County: Brevard

Core #	GPS Coordinates
1	28.12898 ° -80.633156 °
2	28.128889 ° -80.639041 °
3	28.128897 ° -80.642708 °
4	28.128897 ° -80.642708 °
5	28.128907 ° -80.645045 °
6	28.128861 ° -80.651281 °
7	28.128793 ° -80.651399 °
8	28.128803 ° -80.645284 °
9	28.128804 ° -80.645283 °
10	28.12879 ° -80.642406 °
11	28.128788 ° -80.642406 °
12	28.128799 ° -80.635764 °
13	28.128944 ° -80.63081 °
14	28.128999 ° -80.628586 °
15	28.129054 ° -80.627898 °
16	28.129584 ° -80.626006 °
17	28.129584 ° -80.626006 °
18	28.131132 ° -80.62526 °
19	28.130642 ° -80.626609 °
20	28.130642 ° -80.626609 °

Core #	GPS Coordinates
21	28.129769 ° -80.628638 °
22	28.129021 ° -80.630833 °
23	28.128918 ° -80.633152 °
24	28.128837 ° -80.641904 °
25	28.12883 ° -80.645127 °
26	28.128824 ° -80.651271 °
27	28.12881 ° -80.651374 °
28	28.128822 ° -80.644856 °
29	28.128857 ° -80.641157 °
30	28.128791 ° -80.638854 °
31	28.128839 ° -80.6357 °
32	28.129085 ° -80.627917 °
33	28.129618 ° -80.626056 °
34	28.130627 ° -80.626622 °
35	28.130627 ° -80.626622 °
36	28.129759 ° -80.628633 °
37	28.129432 ° -80.629349 °
38	
39	
40	