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

Project No.: 407402-4	**Cored By:** Elipsis Engineering and Consulting	**Date:** 8/21/16 to 8/23/16	**Page No.:** 1 of 3
County: Brevard	**Highway Sect. No:** 70070	**From:** East of SR 3	**To:** SR 401
Road No.: SR 528	**Begin MP:** 8.468	**End MP:** 12.968	**Length:** 4.500

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-9.5	FC-5	Type SP	Type S	Type I	Type II w/ Shell	Binder Course	Core Length (in)	Type	Thick-ness (in)	Depth (in)	Type	Class	Extent				
1	9.414	9.0	R2	X		0.9	0.8	2.6				4.3	COQ	7.7	B	Br	II	S	F			Branch and Long. Cracks in Lane
2	9.414	5.0	OR				1.6					1.6	LR	3.4	–	–	–	–	F			
3	10.250	3.0	R2	X		0.9	1.2	1.8				3.9	COQ	8.1	–	–	–	–	G			
4	10.250	4.5	OR				1.3					1.3	LR	4.5	–	–	–	–	G			
5	11.249	4.0	R2	X		0.7	1.9	1.4				4.0	COQ	13.0	B	SL	II	L	F			Long. Crack IWP
6	11.249	5.0	OR				1.1	0.9		4.5		6.5	NB		–	–	–	–	G			
7	12.168	9.5	R2	X		0.8	0.9	2.6				4.3	COQ	9.5	–	–	–	–	G			
8	12.168	4.0	OR				1.7					1.7	LR	4.8	–	–	–	–	G			
9	11.820	2.0	L2	X		0.4		3.1				3.5	LR	13.5	B	Al	III	S	P			Alligator Crack IWP
10	11.820	1.5	OL					3.0				3.0	LR	10.0	B	SL	I	L	F			
11	10.988	9.5	L2	X		1.1		2.9	2.0	0.9		6.9	LR	8.1	B	SL	III	S	P			Long. Crack Wheelpaths
12	10.988	7.0	OL					1.9		0.9		2.8	LR	8.7	–	–	–	–	F			Core fractured during extraction
13	9.720	3.0	L2	X		0.8		1.2	0.9	1.2		4.1	LR	7.9	–	–	–	–	F			
14	9.720	5.0	OL				1.6					1.6	LR	5.9	–	–	–	–	F			
15	8.871	9.0	L2	X		0.6		2.4	1.5	1.0		5.5	LR	7.8	2.3	SL	III	S	P			
16	8.871	5.5	OL				2.1					2.1	LR	7.9	–	–	–	–	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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					FC-9.5	FC-5	Type SP	Type S	Type I	Type II w/ Shell	Binder Course	Core Length (in)	Type	Thick-ness (in)	Depth (in)	Type	Class	Extent				
17	8.668	2.0	IR				1.5					1.5	LR	4.0	–	–	–	–	G			
18	8.668	9.0	R1	X		0.7	1.0	2.5				4.2	COQ	7.3	–	–	–	–	G			
19	9.600	2.0	IR				1.6					1.6	LR	4.4	–	–	–	–	G			
20	9.600	2.0	R1	X		0.6	1.0	2.0				3.6	COQ	7.4	–	–	–	–	G			
21	11.268	2.0	IR				1.1	1.0				2.1	LR	N/A	–	–	–	–	G			
22	11.268	9.0	R1	X		0.8	1.4	2.3				4.5	COQ	N/A	–	–	–	–	G			
23	11.599	2.0	IR				0.9					0.9	LR	4.6	–	–	–	–	G			
24	11.599	2.5	R1	X		0.8	1.0	1.7				3.5	COQ	8.5	–	–	–	–	G			
25	12.350	2.0	IL				2.5					2.5	LR	4.5	–	–	–	–	F			
26	12.350	8.5	L1	X		0.9	1.9	1.2		1.3		5.3	LR	9.2	–	–	–	–	F			
27	11.350	1.0	IL				1.5					1.5	LR	4.0	–	–	–	–	F			
28	11.350	2.5	L1	X		0.8	2.1			1.0		3.9	LR	9.1	–	–	–	–	F			
29	10.220	1.5	IL				1.6					1.6	LR	4.4	–	–	–	–	F			
30	10.220	9.0	L1	X		0.6	2.4			0.8		3.8	LR	8.7	–	–	–	–	F			Pavement Shoving in OWP
31	8.522	2.0	IL				1.8					1.8	LR	5.2	–	–	–	–	F			
32	8.522	3.0	L1	X		0.8		3.2	3.5	0.8		8.3	LR	8.7	–	–	–	–	F			Pavement Shoving in OWP

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					FC-9.5	FC-5	Type SP	Type S	Type I	Type II w/ Shell	Binder Course	Core Length (in)	Type	Thick-ness (in)	Depth (in)	Type	Class	Extent				
33	407' FROM GORE	12.5	RAMP	X	1.1		2.5					3.6	LR	10.9	–	–	–	–	G			Off-Ramp 41, SR 528 EB to Banana River Drive NB/SB
34	407' FROM GORE	2.5	SHLDER		1.5		1.9		1.8			5.2	COQ	2.8	–	–	–	–	G			Off-Ramp 41, SR 528 EB to Banana River Drive NB/SB
35	348' FROM GORE	13.5	RAMP	X		0.5		4.7				5.2	COQ	6.8	–	–	–	–	F	0.3	2.2	On-Ramp 43, Banana River Drive NB/SB to SR 528 EB
36	348' FROM GORE	2	SHLDER			1.2	0.3	0.9				2.4	LR	4.6	–	–	–	–	F			On-Ramp 43, Banana River Drive NB/SB to SR 528 EB
37	620' FROM GORE	14	RAMP	X		0.9	1.4				1.8	4.1	COQ	9.2	B	ST	II	M	P			Off-Ramp 5, SR 528 EB to SR 401 NB
38	620' FROM GORE	2	SHLDER			0.5	2.2					2.7	COQ	5.1	–	–	–	–	F			Off-Ramp 5, SR 528 EB to SR 401 NB
39	1205' FROM GORE	9	RAMP	X		0.8	1.6	1.5				3.9	COQ	10.1	–	–	–	–	F			On-Ramp, SR 401 SB to SR 528 EB
40	1205' FROM GORE	4.5	SHLDER			0.9	1.9					10.3	ABC	7.5	–	–	–	–	F			On-Ramp, SR 401 SB to SR 528 EB
41	652' FROM GORE	9	RAMP	X	0.8		0.6	1.7				3.1	COQ	8.4	–	–	–	–	F			Off-Ramp, SR 528 WB to SR 401 NB
42	600' FROM GORE	13	RAMP	X		0.7	1.4	1.6				3.7	COQ	11.3	–	–	–	–	F			On-Ramp 120, SR 401 SB to SR 528 WB
43	600' FROM GORE	2.5	SHLDER			0.5	6.7					7.2	COQ	2.1	–	–	–	–	F			On-Ramp 120, SR 401 SB to SR 528 WB
44	401' FROM GORE	13.5	RAMP	X		0.7	1.3			0.6		2.6	LR	9.4	–	–	–	–	F			Off-Ramp 42, SR 528 WB to Banana River Drive NB/SB
45	401' FROM GORE	2	SHLDER			0.7	1.9					6.5	ABC	3.9	–	–	–	–	F			Off-Ramp 42, SR 528 WB to Banana River Drive NB/SB
46	450' FROM GORE	15	RAMP	X		0.7	1.6					2.3	COQ	9.2	–	–	–	–	F			On-Ramp 40, Banana River Drive NB/SB to SR 528 WB
47	450' FROM GORE	2	SHLDER			1.0	1.3					6.8	ABC	4.5	–	–	–	–	F			On-Ramp 40, Banana River Drive NB/SB to SR 528 WB

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Supplemental Data to PECD

(GPS Coordinates for Each Locations Cored)

SR 528 FIN: 407402-4 County: Brevard

Core #	GPS Coordinates
1	28.405156 ° -80.687582 °
2	28.405156 ° -80.687582 °
3	28.405006 ° -80.673835 °
4	28.405007 ° -80.673835 °
5	28.405045 ° -80.657403 °
6	28.405045 ° -80.657403 °
7	28.405082 ° -80.642352 °
8	28.405084 ° -80.642351 °
9	28.405265 ° -80.648054 °
10	28.405265 ° -80.648054 °
11	28.40522 ° -80.66171 °
12	28.405219 ° -80.66171 °
13	28.405278 ° -80.682539 °
14	28.405278 ° -80.682539 °
15	28.405393 ° -80.696547 °
16	28.405391 ° -80.69655 °
17	28.405245 ° -80.699856 °
18	28.405245 ° -80.699856 °
19	28.405164 ° -80.68455 °
20	28.405165 ° -80.68455 °

Core #	GPS Coordinates
21	28.405087 ° -80.657092 °
22	28.405087 ° -80.657092 °
23	28.405101 ° -80.651659 °
24	28.405101 ° -80.651659 °
25	28.405237 ° -80.639319 °
26	28.405237 ° -80.639319 °
27	28.405217 ° -80.655779 °
28	28.405213 ° -80.65578 °
29	28.405159 ° -80.674296 °
30	28.405158 ° -80.674296 °
31	28.405347 ° -80.702241 °
32	28.405346 ° -80.702241 °
33	28.404816 ° -80.665129 °
34	28.404816 ° -80.665129 °
35	28.404739 ° -80.662599 °
36	28.404742 ° -80.6626 °
37	28.404587 ° -80.629197 °
38	28.404587 ° -80.629197 °
39	28.403272 ° -80.630627 °
40	28.403272 ° -80.630627 °

Supplemental Data to PECD

(GPS Coordinates for Each Locations Cored)

SR 528 FIN: 407402-4 County: Brevard

Core #	GPS Coordinates
41	28.406348 ° -80.630717 °
42	28.406342 ° -80.633229 °
43	28.406342 ° -80.633229 °
44	28.405488 ° -80.662269 °
45	28.405488 ° -80.662269 °
46	28.405464 ° -80.66504 °
47	28.405464 ° -80.66504 °

Core #	GPS Coordinates