FPN 242484-7; SR 400 (I-4) BTU - - Please keep in mind the core composition have most likely changed due to the on-going construction for mill/resurface of I-4 under FPN 432453-1 project. The overall core/pavement thickness would remain relatively unchanged if 1:1 ratio was used for milling (take-away) and resurfacing (put-back).

	State of Florida Department of Transportation																					
р.			100150				PA	AVE	VIEN	IEV				AND		NDL				HEF	- I	Dage No + MACTED
Com	ect No.:		0ranga				Core High	a By: way Se	t No:	75280	ngineeri	ng and C	onsultin	g	Date:			3/10/14	-3/11/14			To: West of SR 435
Road	INo ·	SR 400					Begin MP: 6.019											0 225				Length: 3 217
Nua	1110	Distance	Distance				Pavement Layer (in.) Base							Enu	Cr	ack	9.235		But	Crease	Length: 3.21/	
Core No.	МР	from left edge of lane (ft)	e Wheel Path	FC-5	Type SP	Type S	FC-2	Type S	Type I	Binder	Core Length	Туре	Thick-ness	Depth (in)	Туре	Class	Extent	Pavt Cond.	Depth (in)	Slope	Comments	
		(11)									Course	(in)		(111)								
		1	r	r	1	r	1	r	r	1	1	1	1		1		r	1	1	r	r	
1	7.993	2.0	L1	х	0.8	1.5			2.5			4.8	LR	12.7	—	_	-	_	F			
2	7.993	6.0	IL			1.5						1.5	LR	_	—	_	-	_	F			
3	7.394	9.0	L1	Х	0.9	1.8			1.8	4.5	2.3	11.3	LR	_	_	_	_	_	F			
4	7.394	7.5	IL			1.1	0.8	0.6	1.4			3.9	LR	6.4	_	_	_	_	F			Core Fractured During Extraction/Overlaid FC-2
5	7.069	2.5	Ll	Х	0.8	1.1			2.8	2.9	2.1	9.7	LR	10.2	—	—	-	—	F			
6	7.069	7.0	IL			1.0	0.5	0.6	1.0			3.1	LR	—	—	—	-	—	F			Overlaid FC-2
7	6.501	3.0	Ll	Х	0.6	1.4			2.2	1.7	1.9	7.8	LR	—	В	ST	I	L	F			Core Fractured During Extraction
8	6.501	3.5	IL			1.0			1.1			2.1	LR	4.9	В	SL	I	S	F			
9	6.392	3.0	R1	Х	0.8	1.0			1.5	3.8	2.2	9.3	LR	9.7	В	ST	II	М	F			Core Fractured During Extraction
10	6.392	5.0	IR			1.2			1.5			2.7	LR	_	-	_	-	-	F			
11	6.943	9.0	R1	X	0.8	1.2			2.0	3.2	1.9	9.1	LR	_	_	_	_	_	F			
12	6.943	5.0	IR			1.0	1.3	0.4	1.3			4.0	LR	7.8	_	_	_	_	F			Overlaid FC-2
13	7.394	2.0	R1	X	0.8	1.2			2.0	3.1	2.2	9.3	LR	9.2	_	—	-	_	F			High voids in Type SP layer
14	7.394	4.5	IR			1.0	1.2	0.7	1.5			4.4	LR	—	_	—	-	_	F			Overlaid FC-2
15	7.794	9.0	R1	X	0.7	1.3			2.0	3.4	1.8	9.2	LR	—	_	—	-	_	F			
16	7.794	5.0	IR			1.2		0.3	1.4			2.9	LR	7.0	_	_	-	_	F			Overlaid FC-2
17	8.393	2.0	R1	X	0.3	1.2			2.4			3.9	LR	15.6	_	_	-	_	G			Repair/Patch Area
18	8.393	7.0	IR			0.8						0.8	LR		_		_	_	F			
19	8.943	3.0	R1	X				0.4	5.6			6.0	LR	-	-	-	-	-	F			Old FC-2 Location
20	8.943	3.0	IK		1.0	1.5						1.5	LR	7.5	в	SL	11	8	F			
21	6.269	10.0	R3	X	1.0	2.0			4.1			7.1	LR	7.9	_	_	_	_	F			
22	6.269	0.0	DK D4	v	0.8	2.5			1.2			5.7	LR	0.7	_	_		_	F			Odd Core, Wishly corrected towards first. Wish siz uside
23	6.667	2.5	K4	А	0.8	4.5			2.4			2.7		9.7	_	_		_	F			ABC in 2 inch life
24	7 230	4.0	P4	v	0.7	1.5			2.4			5.1	IP	0.0	_	_			F			Abe in 5 inch ints
25	7.230	5.0	OP		0.7	3.0						3.0	I P	9.9	0.6	SI	п		F			oud cole. Inginy segregated towards fine.
20	8 118	2.0	R3	x	0.9	1.3			41			6.3	LR	_	0.0	5L			F			
27	8 118	5.0	OR	~	0.9	1.2			2.3			3.5	ABC	11.8					F			ABC in 3 inch lifts
20	8 142	10.5	14		13	0.7			4.0			6.0	LR	12.5	_	_	_		F			
30	8.142	6.0	OL			1.3			3.0			4.3	LR	12.2			_		F			
31	7.593	2.0	L4	x	1.1	1.4			1.8			4.3	LR		_		_	_	F			
32	7.593	4.0	OL			1.3						1.3	LR	1.2	_	_	_	_	F			
33	6.750	9.5	L4	х	0.8	1.4			2.0			4.2	LR	10.3	_	_	_	_	F			
34	6.750	5.0	OL			3.3						3.3	LR	3.7	_	_	_	_	F			Pavement Rippling
35	6.119	2.5	L3	x	0.9	1.5			7.1			9.5	LR	9.5	_	_	_	_	F			
36	6.119	4.0	OL			1.2			3.6			4.8	LR	_	_	_	_	_	F			
37	7.064	8.0	R3	x	1.0	1.3			2.8			5.1	LR	_	В	Br	III	s	Р			Severe Cracking in the Immediate Area
38	7.230	8.0	R3	X	0.9	1.3			1.8			4.0	LR	_	В	А	III	S	Р			Severe Cracking in the Immediate Area
39	8.443	9.0	R3	х	0.8	1.0			2.7			4.5	LR	13.6	_	_	_	_	F			
40	8.443	3.0	OR			0.8						0.8	LR	_	_	_	_	_	F			
41	8.692	2.5	R4	x	0.7	1.3			2.7			4.7	LR	13.8	_	_	-	_	G			Core Location moved out R4/R5 Merge
42	8.692	4.0	OR			1.1						1.1	LR	5.4	_	_	-	_	F			Core Location moved out R4/R5 Merge
43	9.142	10.0	R4	X	0.7	1.7						2.4	ABC	15.1	_	_	-	_	F			ABC in 3 inch lifts
44	9.142	3.0	OR			1.4						1.4	ABC	11.1	_	_	-	_	F			ABC in 3 inch lifts

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	State of Florida Department of Transportation																					
Project No.: 432453-1						Cored By: Elipsis Engineering and Consulting											3/10/14·	-3/11/14		/1	Page No.: MASTER	
County:			Orange				Highway Sect. No: 75280							From: SR 528							To: West of SR 435	
Road No.:			SR 400				Begin MP: 6.018							<b>End MP:</b> 9.235							Length: 3.217	
Distance from left		Distance from left		Wheel			P	avement	Layer (in	.)			Ba	ise		Cra	ick		Pavt	Rut	Cross	
Core No.	мр	edge of lane (ft)	Lane	Path	FC-5	SP-9.5	Type S	FC-2	Type S	Type I		Core Length	Туре	Thick-ness (in)	Depth (in)	Туре	Class	Extent	Cond.	(in)	Slope (%)	Comments
45	528' from Gore	12.0	Ramp	х	0.8	1.2			2.3			4.3	LR	10.2	_	_	-	_	F			Ramp 200 I-4 WB to SR 528 EB
46	528' from Gore	4.0	Shoulder			1.8						1.8	LR	3.5	_	_	-	-	F			Ramp 200 I-4 WB to SR 528 EB
47	264' from Gore	10.0	Ramp	х	0.8	1.0			3.4			5.2	LR	10.8	_	_	_	_	G			Ramp 201 SR 528 WB to I-4 WB
48	264' from Gore	4.0	Shoulder			0.9						0.9	LR	4.6	_	_	-	_	G			Ramp 201 SR 528 WB to I-4 WB
49	528' from Gore	15.0	Ramp	х	0.8	0.9			1.3			3.0	LR	4.0	_	_	_	_	G			Ramp 114 SR 528 WB to I-4 EB
50	528' from Gore	2.5	Shoulder			1.1			1.0			2.1	LR	3.9	_	_	_	_	G			Ramp 114 SR 528 WB to I-4 EB
51	300' from Gore	13.0	Ramp	х	1.5				3.5			5.0	LR	13.5	_	_	_	_	F			Ramp 86 I-4 EB to SR 482
52	300' from Gore	2.5	Shoulder						3.0			3.0	LR	6.0	_	_	_	_	F			Ramp 86 I-4 EB to SR 483
53	528' from Gore	10.5	Ramp	х	0.8	1.2			1.5			3.5	LR	13.0	_	_	_	_	G			Ramp 88 SR 482 EB to I-4 EB
54	528' from Gore	2.5	Shoulder						3.0			3.0	LR	6.5	1.8	ST	Π	М	F			Ramp 88 SR 482 EB to I-4 EB
D-1	8.250	5.5	L1									3.4	PCC	_	-	_	-	_	F			Asphalt Thickness = 3.4"
D-2	8.250	5.0	IL									4.5	PCC	-	-	—	-	-	F			Asphalt Thickness = 4.5"
D-3	8.250	5.5	R1									3.0	PCC	-	-	—	-	-	F			Asphalt Thickness = 3.0"
D-4	8.250	5.5	IR									3.0	PCC	-	_	—	-	-	F			Asphalt Thickness = 3.0"
D-5	8.250	6.0	R3									3.0	PCC	-	_	—	-	-	F			Asphalt Thickness = 3.0"
D-6	8.250	4.0	OR									3.3	PCC	-	_	—	-	-	F			Asphalt Thickness = 3.3"
D-7	8.250	5.5	L5									3.0	PCC	_	_	-	_	_	F			Asphalt Thickness = 3.0"
D-8	8.250	5.0	OL									2.5	PCC	_	_	—	_	_	F			Asphalt Thickness = 2.5"
D-9	N/A	11.0	Ramp	х								2.8	PCC	_	_	—	_	_	F			Ramp 200: I-4 WB to SR 528 EB Asphalt Thickness = 2.8"
D-10	N/A	5.0	Ramp									2.2	PCC	_	_	_	_	_	G			Ramp 201: SR 528 WB to I-4 WB Asphalt Thickness = 2.2"

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## **Supplemental Data to PECD**

(GPS Coordinates for Each Locations Cored)

SR 400

FIN: 432453-1

County: Orange

Core # **GPS** Coordinates 28.446021 ° 1 -81.474435 ° 28.446021 ° -81.474433 ° 2 28.437321° -81.474405 ° 3 28.437321 ° -81.474405 ° 4 28.432579° 5 -81.47439 ° 28.432579° -81.47439° 6 28.424316° -81.47437 ° 7 28.424316° 8 -81.47437 ° 28.422684 ° 9 -81.474139 ° 28.422684 ° -81.474142 ° 10 28.430698 ° -81.474161 ° 11 28.430698° 12 -81.474161 ° 28.437241 ° 13 -81.47419° 28.437242 ° -81.47419° 14 28.443062 ° 15 -81.474217 ° 28.443078° -81.474221 ° 16 28.451814 ° 17 -81.474235 ° 28.451816° 18 -81.474236° 28.459404 ° <u>-81</u>.472192 ° 19 28.459406 ° -81.472192 ° 20

Core #	GPS Coordinates
	28.420922 °
21	-81.474041 °
	28.420923 °
22	-81.474041 °
	28.426722 °
23	-81.474018 °
	28.426723 °
24	-81.474018 °
	28.43489 °
25	-81.474027 °
	28.43489 °
26	-81.474027 °
	28.447777 °
27	-81.474103 °
	28.447779 °
28	-81.474107 °
	28.448176 °
29	-81.474564 °
	28.448177 °
30	-81.474565 °
	28.44048 °
31	-81.474562 °
	28.44048 °
32	-81.474562 °
	28.42824 °
33	-81.474533 °
	28.42824 °
34	-81.474534 °
	28.418929 °
35	-81.474458 °
	28.418929 °
36	-81.474458 °
	28.432457 °
37	-81.474072 °
	28.43487 °
38	-81.474089 °
20	28.452542 °
39	-81.474145 ° 28.452546 °
40	20.4 <i>323</i> 40 01.474140 0
40	-81.4/4148 °

## Supplemental Data to PECD

(GPS Coordinates for Each Locations Cored)

SR 400

FIN: 432453-1

County: Orange

Core #	GPS Coordinates
	28.456141 °
41	-81.473881 °
	28.456145 °
42	-81.473879 °
	28.461374 °
43	-81.46971 °
	28.461369 °
44	-81.469709 °
	28.422264 °
45	-81.474989 °
	28.422264 °
46	-81.474989 °
	28.421847 °
47	-81.472438 °
	28.421848 °
48	-81.472442 °
	28.422468 °
49	-81.472989 °
	28.422469 °
50	-81.472988 °
	28.447766 °
51	-81.473884 °
	28.447768 °
52	-81.473886 °
	28.451593 °
53	-81.47381 °
	28.451593 °
54	-81.473813 °
	28.449744 °
D-1	-81.474453 °
	28.449744 °
D-2	-81.474453 °
	28.449723 °
D-3	-81.474236 °
	28.449723 °
D-4	-81.474236 °
	28.449721 °
D-5	-81.474116 °
	28.449/21 °
D-6	-81.474116 °

Core #	GPS Coordinates
	28.449734 °
D-7	-81.474611 °
	28.449734 °
D-8	-81.474611 °
	28.420457 °
D-9	-81.474684 °
	28.422055 °
D-10	-81.473832 °