

In lieu of obtaining pavement cores for project design, the pavement core data from FPN 419596-1 project is utilized for **SR 15 (US 17) Safety Project - FPN 445716-1**.

In reviewing the As-Built plans for FPN 419596-1, there is 1:1 ratio for milling and resurfacing of structural / friction. The pavement thickness (core length) is anticipated to remain unchanged. The top layers (friction / structural) are now FC-9.5 / Type SP from MP 0.000 to MP 1.188 and from MP 4.885 to MP 5.146. For MP 1.188 to MP 4.885, top layers are FC-5 / Type SP.

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PAVEMENT EVALUATION AND CONDITION DATA SHEET**

Project No.:		419596-1 // 445716-1		Cored By:		Universal Engineering		Date:		12/26/06-12/27/06		Page No.:		1 of 5								
County:		Volusia		Highway Sect. No.:		79050		From:		SR 600 (US 92)		To:		North of Ponce DeLeon Blvd.								
Road No.:		SR 15 (US 17)		Begin M.P.:		0.000		End M.P.:		5.951		Length:		5.951 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-2	-	Type S	Type II	-	Binder	Core Length (in)	Type	Thick-ness (in)	Depth (in)	Type	Class	Extent					
1	5.888	8.5	L1	X	0.4		2.7				3.1	LR	8.5	B	BR	I	M	F				
3	5.422	3.5	L1	X	0.5		2.0			1.0	3.5	LR	-	1.8	SL	I	S	F				
6	4.433	7.0	L1		0.5		2.3			0.7	3.5	LR	8.9	-	-	-	-	F				
8	3.395	7.0	L1		0.5		2.1			0.8	3.4	LR	5.5	1.4	SL	I	M	F				RIPPLES IN RDWY BTWN W-PATH
10	2.429	2.0	L1	X	0.5		2.3				2.8	LR	9.6	1.2	SL	I	M	F				
43	1.244	3.0	L1	X	0.5		2.3			0.9	3.7	LR	9.5	B	SL	I	M	F				
47	0.297	6.5	L1		0.6		2.1				2.7	LR	7.4	-	-	-	-	F				
20	5.497	8.5	L2	X	0.6		2.5				3.1	LR	12.5	1.9	SL	II	M	F				
22	4.949	7.0	L2		1.0		3.3				4.3	LR	9.7	-	-	-	-	F				
23	4.204	8.5	L2	X	0.6		1.9			0.6	3.1	LR	9.0	-	-	-	-	F				
25	3.649	8.0	L2	X	0.5		2.0				2.5	LR	9.5	-	-	-	-	F				
26	3.018	3.0	L2	X	0.6		2.2			1.1	3.9	LR	10.1	B	SL	I	M	F				
29	2.274	7.0	L2	X	0.4		2.0				2.4	LR	8.0	-	-	-	-	F				
30	1.600	8.0	L2	X	0.5		2.0			0.6	3.1	LR	8.2	B	SL	I	M	F				
32	1.115	6.5	L2		0.3		2.2			1.2	3.7	LR	10.4	1.7	SL	I	L	F				
33	0.605	8.0	L2	X	0.5		2.2				2.7	LR	7.8	-	-	-	-	F				

Remarks: A=Alligator BL=Block BR=Branch Cracking OGFC= Open-Graded FC Stress Cracks SL=Single Longitudinal Crack L=Light Cracking  
M=Moderate Cracking S=Severe Cracking G=Good F=Fair P=Poor ST=Single Transverse Crack LR=Limerock  
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<b>County:</b> Volusia					<b>Highway Sect. No.:</b> 79050					<b>From:</b> SR 600 (US 92)					<b>To:</b> North of Ponce DeLeon Blvd.							
<b>Road No.:</b> SR 15 (US 17)					<b>Begin M.P.:</b> 0.000					<b>End M.P.:</b> 5.951					<b>Length:</b> 5.951 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-2	-	Type S	Type II	-	Binder	Core Length (in)	Type	Thick-ness (in)	Depth (in)	Type	Class	Extent					
35	0.189	8.0	L2	X	0.7		1.4			1.4	3.5	LR	-	-	-	-	-	F				
14	2.353	8.0	R1	X	0.5		2.1			1.0	3.6	LR	10.5	-	-	-	-	F				
15	3.089	3.0	R1	X	0.6		2.4			0.7	3.7	LR	-	-	-	-	-	F				
16	4.104	8.5	R1	X	0.5		2.0			0.8	3.3	LR	10.7	0.3	SL	I	L	F				
18	5.177	6.5	R1		0.9		2.8				3.7	LR	10.5	2.0	SL	II	M	F				
48	0.140	7.0	R1		0.5		2.4	1.0		0.9	4.8	LR	10.0	-	-	-	-	F				
51	1.278	5.0	R1		0.6		1.7			0.9	3.2	LR	10.0	-	-	-	-	F				
36	0.253	8.0	R2	X	0.3		1.8			0.8	2.9	LR	8.0	-	-	-	-	F				
38	0.925	4.0	R2		0.4		1.8				2.2	LR	9.0	1.2	SL	I	L	F				
41	1.520	4.0	R2		0.4		2.7			0.7	3.8	LR	7.7	1.0	SL	I	L	F				
52	2.098	8.5	R2	X	0.5		2.1			0.5	3.1	LR	11.0	-	-	-	-	F				
54	2.648	4.0	R2		0.5		2.2			1.1	3.8	LR	9.8	-	-	-	-	F				
56	3.198	9.0	R2		0.5		1.9			0.6	3.0	LR	9.3	-	-	-	-	F				RIPPLES IN RDWY BTWN W-PATH
58	3.822	2.5	R2	X	0.5		2.6			0.4	3.5	LR	-	0.9	SL	I	L	F				RIPPLES IN RDWY BTWN W-PATH
59	4.258	11.0	R2		0.6		2.2			0.6	3.4	LR	8.5	B	BR	II	M	F				
62	4.822	4.0	R2	X	0.5		2.3			0.7	3.5	LR	-	1.4	SL	I	L	F				

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					FC-2	-	Type S	Type II	-	Binder	Core Length (in)	Type	Thick-ness (in)	Depth (in)	Type	Class	Extent					
63	5.400	6.0	R2		0.3		2.2				2.5	LR	9.3	1.5	SL	I	L	F				
65	5.740	4.0	R2		0.5		2.6			1.0	4.1	LR	-	2.0	SL	II	M	F				RIPPLES IN BTWN W-PATH
21	5.497	5.0	OL		0.6		2.7				3.3	LR	11.0	-	-	-	-	F				
24	4.203	1.0	OL		0.7		1.7				4.0	ABC	1.6	B	ST	II	L	F				RIPPLES IN RDWY BTWN W-PATH
27	3.016	1.0	OL		0.6		0.9				5.2	ABC	3.7	-	-	-	-	F				2.5" L/R BELOW ABC
31	1.599	1.0	OL		0.7		1.2				7.2	ABC	5.3	-	-	-	-	F				
34	0.605	2.0	OL		0.7		2.0			0.5	3.2	LR	8.5	-	-	-	-	F				
39	0.925	3.0	OR		0.5		2.0			0.7	3.2	LR	8.0	-	-	-	-	F				
53	2.098	1.0	OR		0.9		1.1				7.0	ABC	5.0	-	-	-	-	F				
57	3.198	1.0	OR		0.5		1.1				5.9	ABC	4.3	-	-	-	-	F				
60	4.259	2.0	OR		0.6		1.0				6.1	ABC	4.5	-	-	-	-	F				
64	5.400	3.0	OR		0.4		2.3				2.7	LR	-	-	-	-	-	F				
5	5.063	10.0	MXO		1.0		2.6			1.1	4.7	LR	11.0	-	-	-	-	F				
7	4.365	20.0	MXO		0.3		1.9				2.2	LR	12.5	-	-	-	-	F				
9	3.258	16.0	MXO		0.3		2.1				2.4	LR	11.6	-	-	-	-	F				
12	1.876	15.0	MXO		0.2		2.1				2.3	LR	12.0	-	-	-	-	F				

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					FC-2	-	Type S	Type II	-	Binder	Core Length (in)	Type	Thick-ness (in)	Depth (in)	Type	Class	Extent				
2	5.799	6.5	LLTL		0.4		2.5			0.8	3.7	LR	10.3	-	-	-	-	F			TO BAXTER AVE.
4	5.300	3.0	LLTL	X	0.7		2.2				2.9	LR	10.9	-	-	-	-	F			TO RETTA ST.
11	2.413	3.0	LLTL	X	0.8		3.1				3.9	LR	10.0	-	-	-	-	F			TO OLD TREE LINE TRAIL
44	1.217	3.5	LLTL	X	0.4		1.9			1.1	3.4	LR	10.5	-	-	-	-	F			TO SR 11
45	0.815	4.0	LLTL		0.4		1.8			0.6	2.8	LR	7.0	-	-	-	-	F			TO GRACE STREET
46	0.448	5.0	LLTL				6.2				6.2	LR	9.0	-	-	-	-	F			TO WALMART ENTRANCE
28	2.577	8.0	LRTL	X	0.5		2.0				2.5	LR	7.3	-	-	-	-	F			TO BRANDYWINE SHOPPING CENTER
13	2.268	5.0	RRTL		0.4		2.0				2.4	LR	8.0	1.0	SL	I	L	F			TO BRANDYWINE RD.
17	4.952	6.0	RRTL		1.1		1.7				12.3	ABC	9.5	-	-	-	-	F			TO DAVIS AVE.
19	5.638	7.0	RRTL	X	0.9		3.0				3.9	LR	10.0	-	-	-	-	F			
49	0.645	6.5	RRTL		0.3		1.7			0.9	2.9	LR	7.0	-	-	-	-	F			TO MERCERS FERNERY
50	1.150	8.0	RRTL	X	0.3		3.9				9.2	ABC	5.0	-	-	-	-	F			TO GLENWOOD RD.
37	0.395	4.5	RRTL				4.4				4.4	LR	8.0	-	-	-	-	F			TO WALMART ENTRANCE
40	1.155	5.0	RRTL		0.2		3.6				3.8	LR	9.8	-	-	-	-	F			TO HESS GAS STATION
42	1.520	4.0	RRTL		0.8		1.3				2.1	LR	12.0	-	-	-	-	F			TO SAGO CIRCLE (ALL GRANITE, SP 12.5)
55	2.710	3.5	RRTL				4.5				4.5	LR	10.0	-	-	-	-	F			TO CVS ENTRANCE

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