

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION
PAVEMENT EVALUATION CORING AND CONDITION DATA

Cored By: B.GRUBBS

Date: 6/23/2020

Section: 1

W.P.I. No.:				Name: US 41/SR 45				Lanes: 4 @ 12 FEET			
Fin. Proj. ID: 444485-1-31-01				From: S OF PAYNE STREET				Shoulder Type and Condition:			
F.A. Project No.:				To: N OF RIO VILLA DR				Inside: 1 PAVED			
County: CHARLOTTE		SR No.: 45		Beg MP: 7.71		End MP: 11.820		Length: 4.110		Outside: 1 PAVED	
Median Curbed (Y/N): Y		Paved		Lawn		Other:		Curb & Gutter (Y/N): N			

All Cores																												
CORE NO.	MILE POST ¹	LANE TYPE	LANE	WP (Y/N)	PAVEMENT LAYER (IN.)										TOTAL ASPHALT THICKNESS (IN.)	BASE				STABILIZED SUBGRADE ²	CRACK				PAVEMENT CONDITION	RUT DEPTH - LWP (IN.)	CROSS SLOPE (%) ³	COMMENTS
					FC5	FC9.5	SP1F	S	T1	S2	BIND	T1	BIND	LR		SHELL	ABC	SAHM	DEPTH (IN.)		TYPE	CLASS	EXTENT					
1	8.183	ML	R1	N	0.6		1.7	3.6	0.4		1.0			7.3	10.0				12.0	2.9	C	IB	M	P	-	-		
2	9.089	ML	R1	Y	0.9		2.0	4.8	0.6		1.3			9.6	7.5				12.0	2.5	C	IB	M	F	-	-		
3	10.136	ML	R1	Y	0.9		2.3	6.9	2.0		0.8			12.9	5.5				12.0		C			F	-	-		
4	11.138	ML	R1	Y	0.9		1.0	5.1	1.5		0.6			9.1	8.0				12.0	3.0	C	IB	S	P	-	-	BASE CRACKED	
5	11.492	ML	L1	Y	0.8		1.1	3.5						5.4		10.0			12.0	2.5	C	IB	S	P	-	-	SEPARATED AT SP LAYER	
6	10.423	ML	L1	N	1.0		1.4	1.0		1.2	1.4			6.0		10.0			12.0	2.9	C	IB	S	P	-	-		
7	9.413	ML	L1	N	1.1		1.0	1.3	0.5		1.0			3.9		11.0			12.0	2.2	C	IB	M	F	-	-		
8	8.430	ML	L1	N	1.0		0.9	1.4	1.2		1.0			5.5		10.5			12.0		C			F	-	-		
9	8.060	ML	R2	N	0.8		2.2	2.3	0.7		0.8			6.8	7.5				12.0	2.2	C	IB	L	F	-	-		
10	9.246	ML	R2	Y	0.6		2.2	2.1	1.2		1.0			7.1	8.0				12.0	7.1	C	IB	S	F	-	-	BASE CRACKED	
11	10.126	ML	R2	Y	0.6		2.2	2.2						5.0					12.0					F	-	-		
12	11.126	ML	R2	Y	0.9		0.7	3.2	1.8		0.9			7.5	9.0				12.0	7.5	C	IB	S	P	-	-		
13	11.062	ML	L2	Y	0.9		1.3	2.4						4.6		9.5			12.0	4.6	C	IB	S	F	-	-	BASE CRACKED	
14	9.991	ML	L2	Y	0.8		1.0	1.9						3.7		10.0			12.0	0.5	A	IB	L	P	-	-	LIGHT ALLIGATOR CRACKING	
15	9.000	ML	L2	Y	0.8		0.8	1.3						2.9		10.5			12.0					F	-	-		
16	7.894	ML	L2	N	0.8		1.1	1.5						3.4		10.0			12.0					F	-	-		
17	8.066	S	OR	N	1.0		1.0	1.2						3.2		5.5			12.0					F	-	-		
18	9.246	S	OR	N	0.7		0.9	1.0	1.2					3.8		9.0			12.0					F	-	-		
19	10.335	S	OR	N	0.9		1.0	0.7	1.8					4.4		5.0			12.0					F	-	-		
20	11.129	S	OR	N	1.0		0.8	0.7	2.1					4.6		10.5			12.0					F	-	-		
21	11.062	S	OL	N	0.9		1.0	0.8	1.9					4.6		6.5			12.0					F	-	-		
22	9.991	S	OL	N	0.8		1.0	1.8						3.6		8.0			12.0					F	-	-		
23	9.000	S	OL	N	1.1		1.0	1.4						3.5		7.5			12.0					F	-	-		
24	7.894	S	OL	N	1.0		0.9	2.4						4.3		7.0			12.0					F	-	-		
25	7.972	TL/CO	R1LT	N	0.7		1.0	0.6	1.6					3.9		8.5			12.0					F	-	-	LEFT TURN LANE	
26	7.982	TL/CO	CO	N		1.2			1.3					2.5		9.5			12.0	2.6	C	IB	S	F	-	-	CROSSOVER , BASE CRACKED	
27	8.455	TL/CO	R1LT	Y	1.0		0.8	0.7	1.5					4.0		9.5			12.0					F	-	-	LEFT TURN LANE	
28	8.478	TL/CO	CO	N		1.5		1.0	1.1					3.6		8.5			12.0					F	-	-	CROSSOVER	
29	8.796	TL/CO	R1LT	N	0.5		1.1		2.4					4.0			10.4		12.0					F	-	-	LEFT TURN LANE	
30	8.807	TL/CO	CO	N	1.6				2.0					3.6		10.0			12.0	2.2	C	IB	M	F	-	-	CROSSOVER	
31	9.263	TL/CO	R1LT	Y	0.7		1.3		2.3					4.3		8.0			12.0	1.1	C	IB	L	F	-	-	LEFT TURN LANE - WORMING	
32	9.278	TL/CO	CO	N	1.6				1.6					3.2		8.5			12.0	2.0	C	IB	M	F	-	-	CROSSOVER	
33	9.375	TL/CO	R1	N	0.7		1.5		1.6					3.8		8.5			12.0					F	-	-	GORE AREA	
34	9.513	TL/CO	R1LT	N	0.4		1.4		1.6					3.4			16.6		12.0	1.3	C	IB	L	F	-	-	LEFT TURN LANE	
35	9.533	TL/CO	CO	N		1.0			0.6					1.6		10.5			12.0	1.6	C	IB	S	P	-	-	CROSSOVER	
36	9.837	ML	R1	N	0.9		1.1							2.0					12.0	2.0	C	IB	S	F	-	-	APPROACH SLAB	
37	9.865	ML	R1	N	0.6		0.8	0.4						1.8					12.0					F	-	-	BRIDGE DECK	
38	9.872	ML	R1	Y	0.4		0.7							1.1					12.0	1.1	C	IB	L	F	-	-	DEPARTURE SLAB	

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County: CHARLOTTE	SR No.: 45	Beg MP: 7.71	End MP: 11.820	Length: 4.110	Outside: 1 PAVED
Median Curbed (Y/N): Y	Paved	Lawn	Other:		Curb & Gutter (Y/N): N

All Cores																												
CORE NO.	MILE POST ¹	LANE TYPE	LANE	WP (Y/N)	PAVEMENT LAYER (IN.)										TOTAL ASPHALT THICKNESS (IN.)	BASE				STABILIZED SUBGRADE ²	CRACK				PAVEMENT CONDITION	RUT DEPTH - LWP (IN.)	CROSS SLOPE (%) ³	COMMENTS
					FC5	FC9.5	SP1F	S	T1	S2	BIND	T1	BIND	LR		SHELL	ABC	SAHM	DEPTH (IN.)		TYPE	CLASS	EXTENT					
39	9.964	TL/CO	CO	N	0.9		2.0							2.9		8.0			12.0	1.3	C	IB	L	F	-	-	CROSSOVER	
40	10.109	TL/CO	R1LT	Y	1.3		1.3		2.4					5.0		8.0			12.0	2.0	C	IB	M	F	-	-	LEFT TURN LANE	
41	10.582	TL/CO	R1LT	Y	0.9		1.4		1.7					4.0			5.5		12.0					F	-	-	LEFT TURN LANE	
42	11.088	TL/CO	CO	N		0.9	1.4		0.7					3.0		8.0			12.0	3.0	C	IB	M	F	-	-	CROSSOVER, BASE CRACKED	
43	11.184	ML	R1	Y	0.6		0.8	0.7	1.1	4.9	0.8			8.9		5.0			12.0	0.5	C	IB	L	F	-	-	BRIDGE DECK, 5" OF LIMEROCK OVER BOTTOM DECK	
44	11.238	TL/CO	CO	N		1.3			1.6					2.9		9.5			12.0	2.9	C	IB	S	F	-	-	CROSSOVER, BASE CRACKED	
45	11.265	TL/CO	R1LT	N	1.0		0.8	1.9						3.7		11.5			12.0					F	-	-	LEFT TURN LANE	
46	11.638	TL/CO	R1LT	Y	0.5		0.9	0.8	2.0					4.2		11.0			12.0	2.4	C	IB	M	F	-	-	LEFT TURN LANE	
47	11.654	TL/CO	CO	N		1.1	1.2		0.7					3.0		13.0			12.0	1.9	C	IB	L	F	-	-	CROSSOVER	
48	11.696	ML	R1	N	0.7		2.4	3.8	1.5		0.8			9.2	9.0			12.0	3.3	C	IB	M	F	-	-	BASE CRACKED, BOTTOM UP CRACKING		
49	11.656	SS	R1	Y		1.3			1.3					2.6		7.5			12.0	2.6	C	IB	S	F	-	-	RIO VILLA DRIVE, BASE CRACKED	
50	11.271	SS	R1	Y		1.1		1.3	0.7					3.1		7.0			12.0	3.1	C	IB	S	F	-	-	SINAPORE ROAD, WIDENING CRACK	
51	10.857	SS	R1	Y	0.7		1.6	0.9	0.6					3.8			6.5		12.0					F	-	-	MONACO DRIVE	
52	11.533	TL/CO	L1LT	Y	0.6		1.8		0.6					3.0			12.0		12.0	3.0	C	IB	S	F	-	-	LEFT TURN LANE	
53	11.182	ML	L1	Y	0.5		1.5	2.2						4.2					12.0	1.0	C	IB	L	F	-	-	APPROACH SLAB	
54	11.166	ML	L1	N	0.7		0.4	0.5						1.6										F	-	-	BRIDGE DECK	
55	11.159	ML	L1	Y	0.7		1.5	0.9	1.4					4.5				12.0	3.1	C	IB	M	F	-	-	DEPARTURE SLAB		
56	10.936	TL/CO	L1LT	Y	0.5		1.3		3.1					4.9			12.4		12.0	3.3	C	IB	S	F	-	-	LEFT TURN LANE	
57	10.418	TL/CO	L1LT	Y	0.9		1.7		2.4					5.0			10.5		12.0	3.1	C	IB	S	F	-	-	LEFT TURN LANE	
58	10.259	TL/CO	L1	N	1.2		1.7		2.5					5.4		10.0			12.0	0.9	C	IB	L	F	-	-	OUTSIDE LEFT TURN LANE	
59	9.887	ML	L1	Y	0.6		1.3	1.4						3.3				12.0	3.3	C	IB	S	F	-	-	APPROACH SLAB		
60	9.849	ML	L1	N	0.9		1.2	0.6						2.7				12.0	2.7	C	IB	S	F	-	-	DEPARTURE SLAB		
61	8.632	TL/CO	L1LT	N	0.8		1.0		1.5					3.3		10.0			12.0					F	-	-	LEFT TURN LANE	
62	8.276	TL/CO	L1LT	Y	1.0				3.7					4.7			10.7		12.0	2.8	C	IB	L	F	-	-	LEFT TURN LANE	
63	8.025	TL/CO	L1LT	Y	1.1		1.4		1.1					3.6		10.0			12.0	0.9	C	IB	L	F	-	-	LEFT TURN LANE	
64	8.011	ML	L1	Y	0.6		1.2	0.9						2.7		12.0			12.0	2.7	C	IB	S	P	-	-	BASE CRACKED	
65	8.537	TL/CO	R2RT	Y	0.6		1.6	0.7	1.3					4.2		12.0			12.0	2.2	C	IB	M	F	-	-	RIGHT TURN LANE	
66	9.460	TL/CO	R2RT	N	1.1		1.6	1.3						4.0		11.0			12.0					F	-	-	RIGHT TURN LANE	
67	9.841	ML	R2	Y	0.6		0.6	0.6						1.8				12.0	1.8	C	IB	S	F	-	-	APPROACH SLAB		
68	9.866	ML	R2	N	0.6		0.7	0.5						1.8										F	-	-	BRIDGE DECK	
69	9.874	ML	R2	Y	0.7		1.1	0.4						2.2				12.0	2.2	C	IB	S	F	-	-	DEPARTURE SLAB		
70	10.110	TL/CO	R2RT	N	1.0		1.7		0.8					3.5		10.0			12.0	3.5	C	IB	S	P	-	-	RIGHT TURN LANE, BASE CRACKED	
71	11.169	ML	R2	N	0.7		0.9	5.0			0.6	0.9	0.9	9.0	6.0				12.0	3.5	C	IB	S	P	-	-	BRIDGE DECK, 6" OF LIMEROCK OVER BOTTOM DECK	
72	11.476	ML	R2	Y	0.6		1.4	2.2	1.5		0.7			6.4	10.0				12.0	6.4	C	IB	S	P	-	-	BASE CRACKED	
73	11.476	S	OR	N	0.7		1.2	0.7	0.7					3.3		10.5			12.0					F	-	-		
74	11.292	TL/CO	L2RT	Y	0.5		1.4	0.8	1.8					4.5		9.0			12.0	3.3	C	IB	M	F	-	-	RIGHT TURN LANE	
75	11.182	ML	L2	N	0.9		1.0	0.9	1.7					4.5				12.0						F	-	-	APPROACH SLAB	
76	11.174	ML	L2	Y	0.9		1.1							2.0										F	-	-	BRIDGE DECK	

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					FC5	FC9.5	SP1F	S	T1	S2	BIND	T1	BIND		LR	SHELL	ABC	SAHM		DEPTH (IN.)	TYPE	CLASS	EXTENT				
77	11.157	ML	L2	Y	0.8		1.2	0.8	1.8					4.6					12.0	3.0	C	IB	S	F	-	-	DEPARTURE SLAB
78	10.904	TL/CO	L2RT	N	0.9		0.5		3.6					5.0		9.0			12.0					F	-	-	RIGHT TURN LANE
79	10.620	TL/CO	L2RT	N	1.2		2.3							3.5			8.2		12.0	3.5	C	IB	S	F	-	-	RIGHT TURN LANE
80	10.358	TL/CO	L2RT	Y	1.1		1.9		2.4					5.4		9.5			12.0	2.4	C	IB	L	F	-	-	RIGHT TURN LANE
81	9.876	ML	L2	N	0.7		1.6	1.2						3.5					12.0					F	-	-	APPROACH SLAB
82	9.837	ML	L2	Y	1.3		1.1	0.5						2.9					12.0					F	-	-	DEPARTURE SLAB
83	9.447	TL/CO	L2RT	Y	1.3		2.0		1.1					4.4		10.0			12.0	3.0	C	IB	M	F	-	-	RIGHT TURN LANE
84	9.120	TL/CO	L2RT	Y	1.1		5.0							6.1			7.5		12.0	2.7	C	IB	L	F	-	-	PATCH, RIGHT TURN LANE
85	8.517	TL/CO	L2RT	N	0.8		0.6		1.2					2.6		11.0			12.0						-	-	RIGHT TURN LANE
86	8.048	TL/CO	L2RT	N	1.0		1.4							2.4		10.0			12.0						-	-	RIGHT TURN LANE
87	11.160	ML	R1	Y	0.7			7.2	0.8	1.9	0.9			11.5	12.0				12.0	1.5	C	IB	L	P	-	-	
88	11.160	S	IR	N	1.3			3.5						4.8			10.0		12.0					F	-	-	
89	11.177	ML	R1	N	0.7			7.7	0.9	1.3	0.7			11.3	11.0				12.0					F	-	-	
90	11.179	S	IR	N	1.3			4.0						5.3			7.9		12.0					F	-	-	
91	11.160	S	OR	N	1.0			3.5						4.5			7.1		12.0					F	-	-	
92	11.161	ML	R2	Y	0.8			7.0	1.0	1.5	0.7			11.0	12.0				12.0	2.4	C	IB	S	P	-	-	
93	11.168	ML	R2	Y	0.8			6.0	0.8		0.8			8.4	7.0				12.0	4.0	C	IB	S	P	-	-	BRIDGE DECK WITH 7" OF LR ON TOP OF DECK
94	11.168	S	OR	N	0.9			3.6						4.5			8.4		12.0					F	-	-	OR SHOULDER ON BRIDGE, 8.4" ABC ON TOP OF DECK
95	11.179	ML	R2	Y	0.7			7.8	0.8	1.2	0.7			11.2	12.0				12.0	2.1	C	IB	S	P	-	-	
AVERAGE					0.85	1.18	1.32	2.24	1.48	2.00	0.86	0.90	0.90	4.64	8.97	9.28	9.55	12.00	2.66								
MAX					1.60	1.50	5.00	7.80	3.70	4.90	1.40	0.90	0.90	12.90	12.00	13.00	16.60	12.00	7.50								
MIN					0.40	0.90	0.40	0.40	0.40	1.20	0.60	0.90	0.90	1.10	5.50	5.00	5.50	12.00	0.50								

Notes:

1. Mile posts are approximate based on field recorded measurements using a Distance Measuring Instrument (DMI).
2. Stabilization thickness was checked on 10% of the coring locations. For pavement design assume 12 inches of thickness for stabilization.
3. The cross slope is measured in the center of the lane.
4. A blank cell indicates measurement was not recorded.

Lane Designations		Crack Type	Crack Rating	Extent	Pavement Condition	Lane Type	
OL - Outside Left Shoulder	OR - Outside Right Shoulder	A - Alligator	Class IB - Hairline cracks that are ≤ 1/8 inch wide	L - Light	G - Good	ML - Mainline	S - Shoulder
L1 - 1st Lane Left of Centerline	R1 - 1st Lane Right of Centerline	B - Block	Class II - Cracks > than 1/8 inch and ≤ 1/4 inch	M - Moderate	F - Fair	TL - Turn Lane	SS - Side Street
		C - Combination	Class III - Cracks > 1/4 inch	S - Severe	P - Poor	CO - Crossover	