

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

Cored By: Madrid CPWG

Coring Completion Date: 4/13/2023

Typical Section: 4 Lane Urban Principal Arterial Roadway

W.P.I. No.:				Name: SR 45 (US 41)				Lanes: 4					
Fin. Proj. ID: 451101-1				From: S of Aqui Esta Dr				Shoulder Type and Condition:					
F.A. Project No.:		Roadway ID: 01010000		To: S of Carmalita St				Inside: N/A					
County: Charlotte		SR No.: SR 45		Beg MP: 11.822		End MP: 13.245		Length: 1.423		Outside: Paved			
Overall Pavement Condition (from DMO field review): Fair				Median Curbed (Y/N): Y		Paved Y		Lawn Y		Other:		Curb & Gutter (Y/N): Y	

Mainline Cores (ML)

CORE NO.	MILE POST ²	LANE TYPE	LANE	WP (Y/N)	PAVEMENT LAYER (IN.)										TOTAL ASPHALT THICKNESS (IN.)	BASE				STABILIZED SUBGRADE ³	CRACK				PAVEMENT CONDITION	COMMENTS
					FC9.5	SP9.5	S	T1	WC								LR	ABC-1	RAP		SHEL	DEPTH (IN.)	TYPE	CLASS		
1	11.914	ML	R2	N	1.2	3.0		1.0	0.8						6.0	9.0			0.0	6.0	C	III	S	P	Department specified core (longitudinal cracking)	
2	13.244	ML	L1	Y	1.3		3.7								5.0		7.9			3.3	C	II	S	P	Department specified core (branch cracking)	
3	12.479	ML	L2	Y	1.2	2.2									3.4			8.0	18.0	3.4	B	II	M	P	Department specified core (block cracking)	
4	12.094	ML	R1	Y	1.2	2.5	7.6	2.2							13.5	12.0				0.2	C	IB	L	F		
5	12.245	ML	R2	Y	1.3	2.6	1.0	2.5	0.7						8.1	8.0				0.2	A	IB	M	F		
6	12.399	ML	R1	Y	1.3	1.9									3.2			12.0	13.0	3.2	C	II	S	F		
7	12.534	ML	R2	N	1.1	3.9									5.0		6.8		0.0					F		
8	12.650	ML	R1	Y	1.2	2.3									3.5		8.3							F		
9	12.784	ML	R2	N	1.4	2.8									4.2		7.4		0.0					F		
10	12.935	ML	R1	Y	1.2	2.5									3.7		7.5		0.0	0.3	C	IB	L	F		
11	13.072	ML	R2	Y	1.3	3.2									4.5		7.1		0.0	0.2	C	IB	L	F		
12	13.153	ML	L2	N	1.1	2.9									4.0		7.3		0.0					F		
13	13.006	ML	L1	Y	1.3	3.2									4.5		7.5		0.0					F		
14	12.875	ML	L2	N	1.3	2.7									4.0		8.3		0.0					F		
15	12.741	ML	L1	N	1.2	3.0									4.2		8.6		0.0					F		
16	12.573	ML	L2	Y	1.6	2.6									4.2		8.6		0.0					F		
17	12.351	ML	L1	N	1.3	2.2									3.5			13.0	24.0	0.2	C	IB	L	F		
18	12.171	ML	L2	Y	1.3	2.0									3.3			9.0		3.3	C	III	S	P		
19	12.011	ML	L1	N	1.6	1.9									3.5			11.0	0.0					F		
AVERAGE					1.28	2.63	4.10	1.90	0.75					4.81	9.67	7.75	10.60	3.93	2.03							
MAX					1.60	3.90	7.60	2.50	0.80					13.50	12.00	8.60	13.00	24.00	6.00							
MIN					1.10	1.90	1.00	1.00	0.70					3.20	8.00	6.80	8.00	0.00	0.20							
LAYER COEF.					0.25	0.25	0.25	0.23	UNKW						0.18	0.14	UNKW	0.18	0.08							

Notes:

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2. Mile posts are approximate based on field recorded measurements using a Distance Measuring Instrument (DMI) or a GPS unit.
3. Stabilization thickness was checked on 10% of the coring locations. For pavement design, assume 12 inches of thickness for stabilization.
4. The cross slope is approximate and measured in the center of the lane.
5. A blank cell indicates measurement was not recorded.
6. A value of "UNK" indicates material was encountered but the total thickness was not determined.

Lane Designations - Decreasing MP OL/L - Outside/Inside Shoulder	Lane Designations - Increasing MP OR/IR - Outside/Inside Shoulder	Lane Type ML - Mainline S - Shoulder	Crack Type A - Alligator	Crack Rating Class IB - Hairline cracks that are ≤ 1/8 inch wide	Extent L - Light	Pavement Condition G - Good
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County: Charlotte		SR No.: SR 45		Beg MP: 11.822	
Overall Pavement Condition (from DMO field review): Fair		End MP: 13.245		Length: 1.423	
		Median Curbed (Y/N): Y		Paved Y	
		Lawn Y		Other:	
				Outside: Paved	
				Inside: N/A	
				Curb & Gutter (Y/N): Y	

Turn Lane Cores (TL)

CORE NO.	MILE POST ²	LANE TYPE	LANE	WP (Y/N)	PAVEMENT LAYER (IN.)										TOTAL ASPHALT THICKNESS (IN.)	BASE				STABILIZED SUBGRADE ³	CRACK				PAVEMENT CONDITION	COMMENTS		
					FC9.5	SP9.5	S	T1	WC									LR	ABC-1		RAP	SHEL	DEPTH (IN.)	TYPE			CLASS	EXTENT
24	11.939	TL	RR	N	1.2	1.8									3.0				12.0	15.0	0.2					F		
25	12.258	TL	RL	N	1.5	1.2									2.7	18.0				0.0							F	
26	12.352	TL	RR	Y	1.3	2.6									3.9	12.0											F	
27	12.449	TL	RL	Y	1.4	2.8									4.2				12.5								F	
28	12.685	TL	RL	N	1.3	2.2									3.5		4.5			0.0							F	
29	12.841	TL	RL	N	1.5	2.0									3.5		7.7			0.0							F	
30	12.969	TL	RL	Y	1.3	2.2									3.5		8.0			0.0							F	
31	13.157	TL	RL	N	2.0	1.5									3.5		7.5			0.0							F	
32	13.067	TL	LL	N	2.2	1.9									4.1		8.0			0.0							P	
33	12.871	TL	LL	N	1.8	2.2									4.0		7.5			0.0							F	
34	12.638	TL	LL	Y	1.3	4.2									5.5		11.2										P	
35	12.519	TL	LL	N	1.9	2.0									3.9		8.2			0.0							F	
36	12.209	TL	LL	Y	1.8	3.7									5.5		12.3										F	
37	12.045	TL	LR	N	1.3	1.7									3.0				11.5								F	
38	11.999	TL	LL	N	1.5	1.5									3.0				11.5	0.0							F	
AVERAGE					1.55	2.23									3.79	15.00	8.32		11.88	1.50	0.20							
MAX					2.20	4.20									5.50	18.00	12.30		12.50	15.00	0.20							
MIN					1.20	1.20									2.70	12.00	4.50		11.50	0.00	0.20							
LAYER COEF.					0.25	0.25	0.25	0.23	UNKW						0.18	0.14	UNKW	0.18	0.08									

Notes:

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

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County: Charlotte		SR No.: SR 45		Beg MP: 11.822	
Overall Pavement Condition (from DMO field review): Fair		End MP: 13.245		Length: 1.423	
		Median Curbed (Y/N): Y		Paved Y	
		Lawn Y		Other:	
				Inside: N/A	
				Outside: Paved	
				Curb & Gutter (Y/N): Y	

Shoulder and Crossover Cores (S / CO)

CORE NO.	MILE POST ²	LANE TYPE	LANE	WP (Y/N)	PAVEMENT LAYER (IN.)										TOTAL ASPHALT THICKNESS (IN.)	BASE				STABILIZED SUBGRADE ³	CRACK				PAVEMENT CONDITION	COMMENTS	
					FC9.5	SP9.5	S	T1	WC									LR	ABC-1		RAP	SHEL	DEPTH (IN.)	TYPE			CLASS
20	12.010	S	OR	N	1.2	3.3									4.5				9.0							F	
21	12.439	S	OR	N	1.7	1.7									3.4				9.0							F	
22	12.468	S	OL	N	1.3	2.2									3.5				7.0							F	
23	12.204	S	OL	N	1.2	1.3									2.5				11.0							F	
39	12.178	CO	CO	N	1.0	1.5									2.5				12.0	10.0						F	
40	13.114	CO	CO	N	1.3	2.7									4.0		6.5		0.0							F	
41	12.925	CO	CO	N	1.3	3.2									4.5		5.6		0.0							F	
AVERAGE					1.29	2.27									3.56		6.05		9.60	3.33							
MAX					1.70	3.30									4.50		6.50		12.00	10.00							
MIN					1.00	1.30									2.50		5.60		7.00	0.00							
LAYER COEF.					0.25	0.25	0.25	0.23	UNKW							0.18	0.14	UNKW	0.18	0.08							

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OL/IL - Outside/Inside Shoulder	OR/IR - Outside/Inside Shoulder	ML - Mainline	A - Alligator	Class IB - Hairline cracks that are ≤ 1/8 inch wide	L - Light	G - Good
L1 - 1st Lane Left of Centerline	R1 - 1st Lane Right of Centerline	TL - Turn Lane	B - Block	Class II - Cracks > than 1/8 inch and ≤ 1/4 inch	M - Moderate	F - Fair
LL/LR - Left/Right Turn Lane	RL/RR - Left/Right Turn Lane	CO - Crossover	C - Combination	Class III - Cracks > 1/4 inch	S - Severe	P - Poor
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County: Charlotte		SR No.: SR 45		Beg MP: 11.822 End MP: 13.245 Length: 1.423	
Overall Pavement Condition (from DMO field review): Fair		Median Curbed (Y/N): Y		Paved Y Lawn Y Other:	
				Inside: N/A	
				Outside: Paved	
				Curb & Gutter (Y/N): Y	

Side Street Cores (SS)

CORE NO.	MILE POST ²	LANE TYPE	LANE	WP (Y/N)	PAVEMENT LAYER (IN.)										TOTAL ASPHALT THICKNESS (IN.)	BASE				STABILIZED SUBGRADE ³	CRACK				PAVEMENT CONDITION	COMMENTS		
					FC9.5	SP9.5	S	T1	WC									LR	ABC-1		RAP	SHEL	DEPTH (IN.)	TYPE			CLASS	EXTENT
42	11.969	SS	NA	Y	1.2	1.2									2.4				6.0	0.0					F	Aqui Esta Dr (Cooper St per SLD)		
43	11.964	SS	NA	N	1.1	1.3									2.4	12.0									F	Aqui Esta Dr		
44	12.493	SS	NA	N	1.4	4.5									5.9				12.0	0.0					F	Airport Rd		
45	12.486	SS	NA	Y	1.3	2.7									4.0		7.9			0.0	0.2				F	Pompano Ter		
47	12.857	SS	NA	Y	1.6	2.4									4.0		8.2			0.0					F	Boca Grande Blvd		
48	12.977	SS	NA	N	1.2	2.8									4.0		7.6			0.0	0.8				F	W Henry St		
49	13.042	SS	NA	Y	1.3	2.8									4.1		7.7			0.0					F	W Grace St		
50	13.114	SS	NA	Y	1.2	3.0									4.2		8.8			0.0					F	E Ann St		
51	13.109	SS	NA	N	1.3	2.7									4.0		8.0			0.0					F	W Ann St		
52	13.178	SS	NA	Y	1.5	3.0									4.5		6.5			0.0					F	E McKenzie St		
53	13.174	SS	NA	N	1.2	2.4									3.6		7.4			0.0					F	W McKenzie St		
54	13.239	SS	NA	N	1.2	2.8									4.0			3.6		12.0					F	William St, Base fell apart		
AVERAGE					1.29	2.63									3.93	12.00	7.76	3.60	9.00	1.09	0.50							
MAX					1.60	4.50									5.90	12.00	8.80	3.60	12.00	12.00	0.80							
MIN					1.10	1.20									2.40	12.00	6.50	3.60	6.00	0.00	0.20							
LAYER COEF.					0.25	0.25	0.25	0.23	UNKW							0.18	0.14	UNKW	0.18	0.08								

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