

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION

PAVEMENT EVALUATION CORING AND CONDITION DATA

Cored By: TEST LAB INC.

Coring Completion Date: 4/4/2024

Typical Section: 1

W.P.I. No.:		Name:	SR 29				Lanes:	2			
Fin. Proj. ID:	451276-1	From:	S of I-75				Shoulder Type and Condition:				
F.A. Project No.:		Roadway ID:	03080000	To:	N of Bridge No. 030298			Inside:	NONE		
County:	COLLIER	SR No.:	29	Beg MP:	16.511	End MP:	19.996	Length:	3.485	Outside:	PAVED
Overall Pavement Condition (from DMO field review):			Fair	Median Curbed (Y/N):	N	Paved	Lawn	Other:		Curb & Gutter (Y/N):	N

Mainline and Bridge Cores (ML/BR)																										
CORE NO.	MILE POST <sup>2</sup>	LANE TYPE	LANE	WP (Y/N)	PAVEMENT LAYER (IN.)										TOTAL ASPHALT THICKNESS (IN.)	BASE				STABILIZED SUBGRADE <sup>3</sup>	CRACK				PAVEMENT CONDITION	COMMENTS
					FC5	FC9.5	FC12.5	SP9.5								LR	CONC				DEPTH (IN.)	TYPE	CLASS	EXTENT		
3	16.636	ML	R1	N			1.9	0.4							2.3	9.2									F	
4	16.691	ML	L1	Y			1.8	0.5							2.3	12.2									F	
8	16.890	ML	R1	Y			1.7	0.6							2.3	14.2					1.0	C	IB	L	F	
9	16.951	ML	L1	N			2.0	0.5							2.5	8.5									F	
10	16.958	BR	R1	N			2.3								2.3		UNK								F	Approach slab.
11	17.010	BR	L1	N			2.3								2.3		UNK								F	Approach slab.
15	17.212	ML	L1	N			1.7	0.7							2.4	9.6									F	
16	17.258	ML	R1	Y			1.5	0.5							2.0	10.0									F	
19	17.452	ML	R1	Y		0.6		2.4							3.0	9.0				14.0	3.0	C	III	S	P	Base crack.
20	17.452	ML	L1	N		0.6		2.4							3.0	10.0					3.0	C	II	S	P	Base crack.
22	17.615	ML	R1	Y		1.0		5.2							6.2	8.8					3.0	C	III	M	P	
24	17.768	ML	L1	Y		1.0		1.9							2.9	10.1					2.9	C	III	S	F	Base crack.
25	17.840	BR	L1	Y		0.8		1.9							2.7	11.8					2.7	A	III	S	P	Base crack.
26	17.917	ML	R1	Y		1.0		2.2							3.2	9.3					3.2	C	II	M	F	Base crack.
28	18.033	ML	L1	Y		1.1		2.2							3.3	10.7					3.3	A	II	M	P	Base crack.
31	18.236	ML	R1	Y		1.0		1.9							2.9	9.1					2.9	B	II	M	F	Base crack.
32	18.299	ML	L1	N		0.9		2.1							3.0	11.0					3.0	C	III	M	P	Base crack.
35	18.580	ML	R1	N		0.8		2.2							3.0	10.0					2.6	B	II	L	F	
36	18.724	ML	L1	Y		0.9		2.0							2.9	8.6					2.9	B	IB	L	F	
39	19.001	ML	R1	Y		1.0		2.0							3.0	9.0					3.0	B	III	S	P	Base crack.
46	19.391	ML	R1	N		1.0		2.0							3.0	9.0					1.5	C	II	M	F	
47	19.539	ML	L1	N		1.0		1.9							2.9	10.1				16.0	0.6	B	IB	L	F	
48	19.540	ML	R1	Y		0.8		2.2							3.0	10.0					3.0	B	III	M	P	Base crack.
49	19.540	ML	R1	N		0.8		2.1							2.9	10.1									P	
50	19.540	ML	R1	Y		1.2		2.2							3.4	9.6				16.0					P	
52	19.705	ML	R1	N		0.8		2.2							3.0	10.0					3.0	B	III	M	F	Base crack.
54	19.800	BR	R1	Y		0.7		2.0							2.7	9.3					2.7	B	II	L	F	Base crack.
55	19.829	ML	L1	N		1.1		2.1							3.2	11.8					2.0	C	IB	M	F	
57	19.884	ML	R1	N		0.8		1.9							2.7	8.3					2.7	C	II	S	P	Base crack.
59	19.983	ML	L1	N		0.7		2.5							3.2	7.8					3.2	C	III	S	P	Severe alligator cracking. Potholes in both WPs. Base crack.
61	19.996	ML	L1	Y		0.9		1.6							2.5	9.5				14.0	2.5	A	III	S	P	Severe alligator cracking. Potholes in both WPs. Base crack.
62	19.996	ML	R1	Y		0.8		2.0							2.8	10.2					2.8	C	IB	M	P	Base crack.
AVERAGE						0.89	1.90	1.88							2.90	9.89				15.00	2.63					
MAX						1.20	2.30	5.20							6.20	14.20				16.00	3.30					
MIN						0.60	1.50	0.40							2.00	7.80				14.00	0.60					

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION

PAVEMENT EVALUATION CORING AND CONDITION DATA

Cored By: TEST LAB INC.

Coring Completion Date: 4/4/2024

Typical Section: 1

W.P.I. No.:		Name:	SR 29				Lanes:	2			
Fin. Proj. ID:	451276-1	From:	S of I-75				Shoulder Type and Condition:				
F.A. Project No.:		Roadway ID:	03080000	To:	N of Bridge No. 030298			Inside:	NONE		
County:	COLLIER	SR No.:	29	Beg MP:	16.511	End MP:	19.996	Length:	3.485	Outside:	PAVED
Overall Pavement Condition (from DMO field review):				Fair	Median Curbed (Y/N):	N	Paved	Lawn	Other:	Curb & Gutter (Y/N):	N

Shoulder Cores (S)																										
CORE NO.	MILE POST <sup>2</sup>	LANE TYPE	LANE	WP (Y/N)	PAVEMENT LAYER (IN.)										TOTAL ASPHALT THICKNESS (IN.)	BASE				STABILIZED SUBGRADE <sup>3</sup>	CRACK				PAVEMENT CONDITION	COMMENTS
					FC5	FC9.5	FC12.5	SP9.5								LR	CONC				DEPTH (IN.)	TYPE	CLASS	EXTENT		
1	16.521	S	OR	N			2.4							2.4	13.1									F		
2	16.578	S	OL	N				2.1						2.1	10.9					16.0					F	
5	16.795	S	OR	N				1.5						1.5	10.0						0.5	A	IB	L	F	
7	16.860	S	OL	N				2.5						2.5	6.0						1.0	B	II	L	F	
12	17.016	S	OR	N				1.4						1.4	9.6						1.4	B	II	M	F	Base crack.
13	17.106	S	OL	N				1.5						1.5	8.5										F	
17	17.355	S	OL	N		0.9		1.5						2.4	9.1						2.0	B	III	S	P	
18	17.403	S	OR	N				1.0						1.0	9.0										F	
23	17.710	S	OL	N		0.9		1.3						2.2	11.6					12.3	2.2	C	III	L	F	Base crack.
27	17.969	S	OR	N		1.1								1.1	8.9										F	
29	18.054	S	OR	N		0.3		1.7						2.0	9.0										F	
30	18.157	S	OL	N		1.4								1.4	8.6										F	
33	18.411	S	OR	N		1.5								1.5	9.5					14.0	0.8	B	II	L	F	
34	18.471	S	OL	N		1.4								1.4	8.6						1.4	B	III	M	P	Base crack.
37	18.839	S	OR	N		1.1		1.4						2.5	8.0										F	
38	18.906	S	OL	N		1.3								1.3	9.2						1.3	B	III	M	P	Base crack.
40	19.086	S	OL	N		1.6		2.8						4.4	9.1										G	
45	19.302	S	OR	N		1.3		3.0						4.3	9.2										G	
51	19.668	S	OR	N		0.5		1.0						1.5	8.5						1.5	B	III	L	F	Base crack.
53	19.730	S	OL	N		1.2								1.2	10.8										F	
56	19.873	S	OL	N		0.3		1.1						1.4	8.6						1.4	B	III	M	P	Base crack.
58	19.932	S	OR	N		0.9		0.6						1.5	8.5						1.5	B	IB	L	F	
60	19.996	S	OL	N		0.8		0.9						1.7	8.3						1.0	A	IB	S	P	Severe alligator cracking.
84	17.804	S	OR	N		0.9								0.9	10.6						0.9	B	IB	L	F	
AVERAGE						1.02	2.40	1.58						1.88	9.30					14.08	1.30					
MAX						1.60	2.40	3.00						4.40	13.10					16.00	2.20					
MIN						0.30	2.40	0.60						0.90	6.00					12.25	0.50					
LAYER COEF.					0.00	0.25	0.25	0.25							0.18	UNKW				0.08						

Notes:

1. The data presented on this table is specific only at the locations cored at the time of the investigation. Should questions arise regarding the pavement composition, it is incumbent upon those raising the question to perform additional exploration as necessary.
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.

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION

PAVEMENT EVALUATION CORING AND CONDITION DATA

Cored By: TEST LAB INC.

Coring Completion Date: 4/4/2024

Typical Section: 1

W.P.I. No.:		Name:	SR 29				Lanes:	2					
Fin. Proj. ID:	451276-1		From:	S of I-75				Shoulder Type and Condition:					
F.A. Project No.:		Roadway ID:	03080000		To:	N of Bridge No. 030298			Inside:	NONE			
County:	COLLIER		SR No.:	29		Beg MP:	16.511	End MP:	19.996	Length:	3.485	Outside:	PAVED
Overall Pavement Condition (from DMO field review):				Fair		Median Curbed (Y/N):	N	Paved	Lawn	Other:		Curb & Gutter (Y/N):	N

Turn Lane, Side Street and Gore Cores (TL/SS/GO)																										
CORE NO.	MILE POST <sup>2</sup>	LANE TYPE	LANE	WP (Y/N)	PAVEMENT LAYER (IN.)										TOTAL ASPHALT THICKNESS (IN.)	BASE				STABILIZED SUBGRADE <sup>3</sup>	CRACK				PAVEMENT CONDITION	COMMENTS
					FC5	FC9.5	FC12.5	SP9.5								LR	CONC				DEPTH (IN.)	TYPE	CLASS	EXTENT		
6	16.816	TL	LL	N			1.6	0.8							2.4	11.6				16.0	2.4	C	III	L	F	Base crack.
14	17.151	TL	RL	Y			2.0	0.4							2.4	8.6				16.0					F	
21	17.500	TL	RL	Y		0.7		3.0							3.7	7.3					3.7	B	II	L	P	Base crack.
41	19.114	GO	GO	N		1.2		1.5							2.7	9.8				13.5					G	CO-Gore
42	19.185	TL	RL	Y		1.2		1.2							2.4	10.6									G	
43	19.236	TL	LR	Y		1.4		3.1							4.5	9.5				16.0					G	
44	19.266	GO	GO	N		1.0		1.7							2.7	9.3									G	CO-Gore
63	19.207	SS	NA	Y		1.7		4.5							6.2	7.8				16.0					F	
AVERAGE						1.20	1.80	2.03							3.38	9.31				15.50	3.05					
MAX						1.70	2.00	4.50							6.20	11.60				16.00	3.70					
MIN						0.70	1.60	0.40							2.40	7.30				13.50	2.40					
LAYER COEF.					0.00	0.25	0.25	0.25								0.18	UNKW				0.08					

- Notes:
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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	Lane Designations - Increasing MP	Lane Type		Crack Type	Crack Rating	Extent	Pavement Condition
OL/IL - Outside/Inside Shoulder	OR/IR - Outside/Inside Shoulder	ML - Mainline	S - Shoulder	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	SS - Side Street	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	BR - Bridge Approach/Departure	C - Combination	Class III - Cracks > 1/4 inch	S - Severe	P - Poor

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION

PAVEMENT EVALUATION CORING AND CONDITION DATA

Cored By: TEST LAB INC.

Coring Completion Date: 4/4/2024

Typical Section: 2. RAMPS

W.P.I. No.:		Name:	SR 29				Lanes:	1			
Fin. Proj. ID:	451276-1		From:	S of I-75				Shoulder Type and Condition:			
F.A. Project No.:		Roadway ID:	03080000		To:	N of Bridge No. 030298			Inside:	PAVED	
County:	COLLIER	SR No.:	29	Beg MP:	16.511	End MP:	19.996	Length:	3.485	Outside:	PAVED
Overall Pavement Condition (from DMO field review):				Fair	Median Curbed (Y/N):	N	Paved	Lawn	Other:	Curb & Gutter (Y/N):	N

Various Ramps - All Cores																										
CORE NO.	MILE POST <sup>2</sup>	LANE TYPE	LANE	WP (Y/N)	PAVEMENT LAYER (IN.)										TOTAL ASPHALT THICKNESS (IN.)	BASE				STABILIZED SUBGRADE <sup>3</sup>	CRACK				PAVEMENT CONDITION	COMMENTS
					FC5	FC9.5	SP9.5									LR					DEPTH (IN.)	TYPE	CLASS	EXTENT		
64	0.078	ML	R1	Y	0.9		1.6								2.5	13.0									F	03175025
65	0.133	ML	R1	N	0.9		1.3								2.2	14.3				13.5					F	03175025
66	0.173	S	OR	N			0.7								0.7	9.3									P	03175025
67	0.247	ML	R1	N	1.0		2.0								3.0	12.0									F	03175025. Cored on edge of crack. No crack.
68	0.396	S	IR	N		1.1	1.4								2.5	16.5									F	03175025. Base = 1/2 LR + 1/2 ABC-2.
69	0.051	S	OR	N			1.0								1.0	17.0				14.0					F	03175027.
70	0.128	ML	R1	N	0.5		2.0								2.5	15.0					0.5	A	III	S	P	03175027.
71	0.252	ML	R1	N	0.6		1.7								2.3	16.2					2.3	A	III	S	P	03175027.
72	0.275	S	IR	N	0.7		1.3								2.0	13.0									F	03175027.
73	0.314	ML	R1	Y	0.9		2.9								3.8	17.2									P	03175027.
74	0.086	ML	R1	Y	1.4		1.9								3.3	15.7					2.2	B	III	L	F	03175028.
75	0.122	S	IR	N			1.0								1.0	14.0									F	03175028.
76	0.228	ML	R1	Y	0.7		2.4								3.1	13.9					3.1	B	III	M	P	03175028. Base crack.
77	0.311	ML	R1	N	0.6		2.7								3.3	12.7					2.8	C	IB	M	F	03175028.
78	0.365	S	OR	N			2.1								2.1	9.9				13.0					F	03175028.
79	0.043	ML	R1	Y	1.2		2.1								3.3	14.2									F	03175026.
80	0.127	S	OR	N		0.8	0.9								1.7	24.3					1.7	B	IB	L	F	03175026. Base crack.
81	0.233	S	IR	N	0.7		2.7								3.4	17.6					1.9	B	IB	L	F	03175026.
82	0.283	ML	R1	Y	0.7		2.3								3.0	23.5				14.0					F	03175026.
83	0.313	ML	R1	Y	1.0		3.0								4.0	18.5					1.0	A	IB	L	F	03175026.
AVERAGE					0.84	0.95	1.85								2.54	15.39				13.63	1.94					
MAX					1.40	1.10	3.00								4.00	24.30				14.00	3.10					
MIN					0.50	0.80	0.70								0.70	9.30				13.00	0.50					
LAYER COEF.					0.00	0.25	0.25									0.18				0.08						

Notes:

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6. A value of "UNK" indicates material was encountered but the total thickness was not determined.

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