

PAVEMENT EVALUATION CORING AND CONDITION DATA

Cored By: MADRID CPWG

Coring Completion Date: 10/10/2023

Typical Section: 1

W.P.I. No.:		Name:	SR 37				Lanes:	4 Lane Rural Minor Arterial Roadway						
Fin. Proj. ID:	450890-1	From:	N OF VIRGINIA ST				Shoulder Type and Condition:							
F.A. Project No.:		Roadway ID:	16250000		To:	S OF SCHOOLHOUSE RD								
County:	Polk	SR No.:	SR 37		Beg MP:	19.052	End MP:	23.224	Length:	4.172	Inside:	N	Outside:	Y
Overall Pavement Condition (from DMO field review):					Fair	Median Curbed (Y/N):	Y	Paved	Lawn	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		
					FC5	FC9.5	SP12.5	S	ARMI	S	T1	WC	LR	ABC-2		RAP	SAHM	DEPTH (IN.)	TYPE		CLASS	EXTENT						
1	22.049	ML	L1	Y	0.9		1.3		0.5	0.3					3.0	11.0							3.0	A	III	S	P	
2	21.667	ML	L2	Y	1.0		1.2		0.5	0.9					3.6	7.0											F	
3	19.079	ML	R1	N	0.8		1.7		0.6	1.2					4.3	10.0											P	
4	19.479	ML	R1	Y	0.9		1.7	0.5	0.6	4.1		0.5			8.3				6.1	12.0	3.0	C	III	S	P		Clay under SAHM / Base fall apart	
5	19.848	ML	R1	Y	1.1		1.5		0.7	6.8	3.4	0.4			13.9	8.0				2.0	12.0					F		SAHM fall apart
6	20.131	ML	R1	Y	1.0		1.3		0.8	3.8	1.6	0.5			9.0						12.0					F		T1 fall apart
7	20.436	ML	R1	Y	0.7		2.0		0.8	6.8	2.4	0.7			13.4	14.0					12.0					F		
8	20.823	ML	R1	Y	1.0		7.5		0.5	1.9		0.6			11.5	9.0					12.0					F		
9	21.058	ML	R1	Y	0.8		1.9		0.7	6.8		0.8			11.0	6.0					12.0					F		
10	21.462	ML	R1	Y	0.8		1.6			3.6		0.8			6.8	10.0					12.0					F		
11	21.795	ML	R1	N	1.0		1.4		0.5	5.2		0.6			8.7				1.4	12.0						F		
12	22.140	ML	R1	Y	1.0		1.8		0.5	5.7		0.4			9.4				1.1	12.0						F		
13	22.468	ML	R1	N	0.7		2.2		0.4	1.5					4.8	10.0					12.0					F		
14	22.808	ML	R1	Y	0.8		0.9		0.5	1.2					3.4	12.0					12.0					P		
15	19.291	ML	R2	Y	0.6		1.2		0.8	0.9					3.5	11.0						1.8	B	IB	M	P		
16	19.671	ML	R2	Y	0.9		1.9		0.6	3.4		0.5			7.3				2.2							F		
17	19.967	ML	R2	Y	0.8		1.4		0.6	4.3	3.3	0.7			11.1				4.1							F		
18	20.255	ML	R2	Y	1.0		1.7		0.9	3.2	2.7	1.1			10.6				1.2							F		
19	20.648	ML	R2	Y	1.0		2.0		0.6	3.8	3.2	0.5			11.1	10.0										F		
20	20.976	ML	R2	Y	1.0		2.1		0.7	2.1		0.6			6.5	8.0					20.0					F		
21	21.273	ML	R2	N	0.6		1.7	0.7	0.5	1.9	1.3	0.6			7.3	7.0						7.1	B	II	M	P		Bottom up crack
22	21.602	ML	R2	Y	0.7		1.6		0.6	0.8	1.4	0.3			5.4	10.0										P		
23	21.949	ML	R2	N	0.5		3.0	0.5	0.5	1.5					6.0	11.0										F		
24	22.318	ML	R2	Y	0.8		1.1		0.6	2.2	1.0	0.6			6.3	7.0						2.3	B	IB	L	F		
25	22.650	ML	R2	Y	0.7		1.5		0.5	2.3					5.0	13.0										F		
26	23.070	ML	R2	N	0.9		1.5	0.7	0.7	1.2					5.0	12.0										F		
27	23.182	ML	R1	Y	0.7		1.5	0.8	0.6	0.6					4.2	11.0										F		
28	22.976	ML	R1	N	1.1		1.4	0.3	0.4	1.0					4.2	12.0										F		
29	22.738	ML	L1	N	0.9		1.6	0.3	0.5	0.9					4.2	11.0										F		
30	22.389	ML	L1	N	0.8		1.0		0.5	1.1					3.4	12.0						3.4	B	II	M	P		
31	22.000	ML	L1	N	0.9		2.3	0.8							4.0	10.5										F		
32	21.742	ML	L1	N	1.2		1.5		0.6	0.6					3.9	10.5										F		
33	21.393	ML	L1	Y	0.7		1.8		0.6	1.1					4.2	12.0										F		
34	21.018	ML	L1	N	0.7		2.9			0.9					4.5	11.0					12.0					F		
35	20.732	ML	L1	N	0.6		2.1			1.0					3.7	10.0					12.0					F		Bottom up crack

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

Cored By: MADRID CPWG

Coring Completion Date: 10/10/2023

Typical Section: 1

W.P.I. No.:	Name: SR 37	Lanes: 4 Lane Rural Minor Arterial Roadway
Fin. Proj. ID: 450890-1	From: N OF VIRGINIA ST	Shoulder Type and Condition:
F.A. Project No.:	To: S OF SCHOOLHOUSE RD	Inside: N
County: Polk	Beg MP: 19.052	End MP: 23.224
Roadway ID: 16250000	Length: 4.172	Outside: Y
SR No.: SR 37	Other:	Curb & Gutter (Y/N): Y
Overall Pavement Condition (from DMO field review): Fair	Median Curbed (Y/N): Y	Paved

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
					FC5	FC9.5	SP12.5	S	ARMI	S	T1	WC	LR	ABC-2		RAP	SAHM	DEPTH (IN.)	TYPE		CLASS	EXTENT				
36	20.346	ML	L1	N	1.0		1.4	0.4	0.6	0.5					3.9	10.0				12.0					F	
37	19.781	ML	L1	Y	0.9		2.0	0.4	0.5	0.6					4.4	11.0				12.0					F	Bottom up crack
38	19.372	ML	L1	N	1.2		1.1	0.6	0.5	1.6					5.0	12.0				12.0					F	
39	22.896	ML	L2	N	0.8		1.5	0.6	0.7	1.2		1.5			6.3	11.0									F	LR Bottom up crack
40	22.587	ML	L2	Y	1.0		1.5	1.3	0.5						4.3	11.0									F	
41	22.217	ML	L2	Y	0.7		1.1	0.6	0.7						3.1	12.0									F	
42	21.882	ML	L2	Y	0.5		1.2	0.4	0.5	0.8					3.4	11.0									P	
43	21.556	ML	L2	Y	0.9		1.4	0.4	0.6	0.6					3.9	11.0									F	
44	21.174	ML	L2	Y	0.4		1.6	0.6	0.5	1.8					4.9	11.0				4.9	C	III	S		P	
45	20.887	ML	L2	N	1.0		3.2	0.8	0.5	1.0					6.5	11.0									F	
46	20.565	ML	L2	N	0.8		1.7	1.1	0.6	1.9					6.1	11.0									F	
47	20.204	ML	L2	Y	1.1		1.4		0.7	0.8					4.0	11.0									F	
48	19.905	ML	L2	N	0.6		1.3		0.6	1.0					3.5	13.0									F	
49	19.569	ML	L2	Y	0.8		1.5	0.8	0.6	1.2					4.9	12.0									F	
50	19.211	ML	L2	N	0.7		1.4	0.8	0.5	0.4					3.8	12.0				1.5	B	IB	L		F	
AVERAGE					0.84		1.76	0.64	0.59	2.09	2.26			6.01	10.60			2.59	12.47	3.38						
MAX					1.20		7.50	1.30	0.90	6.80	3.40			13.90	14.00			6.10	20.00	7.10						
MIN					0.40		0.90	0.30	0.40	0.30	1.00			3.00	6.00			1.10	12.00	1.50						
LAYER COEF.					0.00	0.25	0.25	0.25	0.00	0.25	0.23				0.18	0.16	UNKW	0.11	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.
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 LL/LR - Left/Right Turn Lane	<u>Lane Designations - Increasing MP</u> OR/IR - Outside/Inside Shoulder R1 - 1st Lane Right of Centerline RL/RR - Left/Right Turn Lane	<u>Lane Type</u> ML - Mainline TL - Turn Lane CO - Crossover	<u>S - Shoulder</u> SS - Side Street Bridge Approach/Depa	<u>Crack Type</u> A - Alligator B - Block C - Combination	<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 Class III - Cracks > 1/4 inch	<u>Extent</u> L - Light M - Moderate S - Severe	<u>Pavement Condition</u> G - Good F - Fair P - Poor
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Coring Completion Date: 10/10/2023

Typical Section: 1

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County:	Polk	SR No.:	SR 37			Beg MP:	19.052	End MP:	23.224	Length:	4.172	Outside:	Y
Overall Pavement Condition (from DMO field review):					Fair	Median Curbed (Y/N):	Y	Paved	Lawn	Other:		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	
					FC5	FC9.5	SP12.5	S	ARMI	S	T1	WC		LR	ABC-2	RAP	SAHM		DEPTH (IN.)	TYPE	CLASS	EXTENT			
69	19.145	TL	RR	N	1.0		1.8	2.5					5.3	12.0										F	
70	19.390	TL	LR	N	1.0		1.5	4.6					7.1		7.4									F	
71	19.511	TL	RL	N	0.7		1.5	1.7					3.9	10.0				12.0						F	
72	19.798	TL	LR	Y	1.0		1.2	1.2					3.4	13.0										F	
73	20.024	TL	LL	Y	0.6		1.3	3.9					5.8		6.6			12.0						F	
74	20.416	TL	RL	N	0.6		1.6	3.8					6.0		7.7									F	
75	20.631	TL	RR	N	0.9		1.5	2.2					4.6	11.0					3.5	B	II	M		P	
76	20.763	TL	RR	N	0.8		2.0	1.8					4.6	12.0										F	
77	20.903	TL	RL	N	1.0		2.0	2.5					5.5		7.6			12.0						F	Core Seperated in S
78	21.002	TL	LL	Y	0.7		3.5	0.5					4.7	18.0				12.0						F	
79	21.147	TL	RL	N	0.7		3.0	0.3					4.0	10.0				12.0						F	
80	21.418	TL	LL	N	0.9		1.3	2.8					5.0	11.0										F	
81	21.599	TL	LL	N	1.0		1.5	2.7					5.2	10.0										F	
82	21.721	TL	RR	Y	1.0		3.8						4.8	18.0										F	
83	21.977	TL	LR	N	1.2		14.7						15.9	7.0										F	Core broke apart
84	22.232	TL	RR	N	0.8			2.7					3.5	10.0				12.0						F	
85	22.508	TL	LL	Y	1.0		1.2	2.2					4.4	10.5										F	
86	22.693	TL	RL	Y	1.2		5.0						6.2		8.8			22.5						F	
87	22.841	TL	RL	N			1.6	3.4					5.0		8.8			14.0						F	
88	23.065	TL	LR	N	0.8		1.5	2.5					4.8	12.0										F	
AVERAGE					0.89		2.71	2.43					5.49	11.75	7.82			13.56	3.50						
MAX					1.20		14.70	4.60					15.90	18.00	8.80			22.50	3.50						
MIN					0.60		1.20	0.30					3.40	7.00	6.60			12.00	3.50						
LAYER COEF.					0.00	0.25	0.25	0.25	0.00	0.25	0.23			0.18	0.16	UNKW	0.11	0.08							

Notes:

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<u>Lane Designations - Decreasing MP</u> OL/IL - Outside/Inside Shoulder L1 - 1st Lane Left of Centerline LL/LR - Left/Right Turn Lane	<u>Lane Designations - Increasing MP</u> OR/IR - Outside/Inside Shoulder R1 - 1st Lane Right of Centerline RL/RR - Left/Right Turn Lane	<u>Lane Type</u> ML - Mainline TL - Turn Lane CO - Crossover	<u>Lane Type</u> S - Shoulder SS - Side Street Bridge Approach/Depa	<u>Crack Type</u> A - Alligator B - Block C - Combination	<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 Class III - Cracks > 1/4 inch	<u>Extent</u> L - Light M - Moderate S - Severe	<u>Pavement Condition</u> G - Good F - Fair P - Poor
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F.A. Project No.:		Roadway ID:	16250000		To:	S OF SCHOOLHOUSE RD				Inside:	N			
County:	Polk	SR No.:	SR 37		Beg MP:	19.052	End MP:	23.224	Length:	4.172	Outside:	Y		
Overall Pavement Condition (from DMO field review):					Fair	Median Curbed (Y/N):	Y	Paved	Lawn	Other:		Curb & Gutter (Y/N):	Y	

Shoulder Cores (S)

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			
					FC5	FC9.5	SP12.5	S	ARMI	S	T1	WC		LR	ABC-2	RAP	SAHM		DEPTH (IN.)	TYPE	CLASS	EXTENT					
51	19.612	S	OR	N	1.1		1.5	0.8					3.4	6.0										F			
52	19.867	S	OR	N	1.2		1.4	1.4					4.0	8.0											F		
53	20.095	S	OR	N	1.5		1.6	2.5					5.6	6.0											F		
54	20.600	S	OR	N	0.6		1.5	1.8					3.9	8.0											F		
55	21.115	S	OR	N	1.0		1.1	3.7					5.8	11.0											F		
56	21.636	S	OR	N	0.9		1.2	1.8					3.9	12.0											F		
57	22.105	S	OR	N	1.0		2.0	1.0					4.0	6.0											F		
58	22.702	S	OR	N	1.2		1.6	2.9					5.7	9.0											F		
59	23.120	S	OR	N	0.8		1.0	2.8					4.6	6.0											F		
60	23.213	S	OL	N	0.9		1.8						2.7	10.0											F		
61	22.941	S	OL	N	1.1		1.6	1.0					3.7	4.0											F		
62	22.424	S	OL	N	1.0			1.9					2.9	6.0											F		
63	21.900	S	OL	N	0.8		1.5						2.3	10.0											F		
64	21.370	S	OL	N	0.7		2.3						3.0	3.0											F		
65	20.916	S	OL	N	1.2		1.9						3.1	11.0											F		
66	20.385	S	OL	N	1.0		1.4	1.9					4.3	5.0											F		
67	20.066	S	OL	N	1.0		1.5	1.1					3.6	7.0											F		
68	19.729	S	OL	N	0.8		1.5	0.6					2.9	7.0											F		
AVERAGE					0.99		1.55	1.80					3.86	7.50													
MAX					1.50		2.30	3.70					5.80	12.00													
MIN					0.60		1.00	0.60					2.30	3.00													
LAYER COEF.					0.00	0.25	0.25	0.25	0.00	0.25	0.23			0.18	0.16	UNKW	0.11	0.08									

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Coring Completion Date: 10/10/2023

Typical Section: 1

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Fin. Proj. ID:	450890-1	From:	N OF VIRGINIA ST			Shoulder Type and Condition:									
F.A. Project No.:		Roadway ID:	16250000			To:	S OF SCHOOLHOUSE RD								
County:	Polk	SR No.:	SR 37			Beg MP:	19.052	End MP:	23.224	Length:	4.172	Inside:	N	Outside:	Y
Overall Pavement Condition (from DMO field review):					Fair	Median Curbed (Y/N):	Y	Paved	Lawn	Other:		Curb & Gutter (Y/N):	Y		

Crossover Cores (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		
					FC5	FC9.5	SP12.5	S	ARMI	S	T1	WC		LR	ABC-2	RAP	SAHM		DEPTH (IN.)	TYPE	CLASS	EXTENT				
89	19.197	CO	CO	N			1.8	0.7						2.5	13.0				12.0					F		
90	19.335	CO	CO	N			1.7	1.3						3.0	14.0				12.0					F		
91	19.542	CO	CO	N			1.8	1.5						3.3	12.0				12.0					F		
92	19.983	CO	CO	N			2.3	1.9						4.2	13.0				12.0					F		
93	20.222	CO	CO	N			2.1	1.4						3.5	11.0				12.0					F		
94	20.453	CO	CO	N			2.1	1.1						3.2	11.0				12.0					F		
95	21.533	CO	CO	N			1.9	4.5						6.4	10.0				12.0					F		
96	22.616	CO	CO	N			2.4	2.8						5.2	11.0				12.0					F		
97	23.105	CO	CO	N			2.2	3.4						5.6	13.0									F		
98	23.170	CO	CO	N			1.9	4.0						5.9	11.0									F		
AVERAGE							2.02	2.26						4.28	11.90				12.00							
MAX							2.40	4.50						6.40	14.00				12.00							
MIN							1.70	0.70						2.50	10.00				12.00							
LAYER COEF.						0.00	0.25	0.25	0.25	0.00	0.25	0.23			0.18	0.16	UNKW	0.11	0.08							

Notes:

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<u>Lane Designations - Decreasing MP</u> OL/IL - Outside/Inside Shoulder L1 - 1st Lane Left of Centerline LL/LR - Left/Right Turn Lane	<u>Lane Designations - Increasing MP</u> OR/IR - Outside/Inside Shoulder R1 - 1st Lane Right of Centerline RL/RR - Left/Right Turn Lane	<u>Lane Type</u> ML - Mainline TL - Turn Lane CO - Crossover	<u>Lane Type</u> S - Shoulder SS - Side Street Bridge Approach/Depa	<u>Crack Type</u> A - Alligator B - Block C - Combination	<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 Class III - Cracks > 1/4 inch	<u>Extent</u> L - Light M - Moderate S - Severe	<u>Pavement Condition</u> G - Good F - Fair P - Poor
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STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION
PAVEMENT EVALUATION CORING AND CONDITION DATA

Cored By: MADRID CPWG

Coring Completion Date: 10/10/2023

Typical Section: 1

W.P.I. No.:				Name: SR 37				Lanes: 4 Lane Rural Minor Arterial Roadway					
Fin. Proj. ID: 450890-1				From: N OF VIRGINIA ST				Shoulder Type and Condition:					
F.A. Project No.:		Roadway ID: 16250000		To: S OF SCHOOLHOUSE RD				Inside: N					
County: Polk		SR No.: SR 37		Beg MP: 19.052		End MP: 23.224		Length: 4.172		Outside: Y			
Overall Pavement Condition (from DMO field review): Fair				Median Curbed (Y/N): Y		Paved		Lawn		Other:		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		
					FC5	FC9.5	SP12.5	S	ARMI	S	T1	WC		LR	ABC-2	RAP	SAHM		DEPTH (IN.)	TYPE	CLASS	EXTENT				
99	19.195	SS	NA	Y		1.1		2.6					3.7	9.0										F		
100	19.331	SS	NA	Y	0.8		1.7	2.5					5.0	10.0											F	
101	19.537	SS	NA	Y	0.6			2.4					3.0	10.0											P	
102	19.774	SS	NA	Y	0.2			1.3					1.5	12.5											F	
103	19.977	SS	NA	Y				0.9					0.9	12.5						0.9	A	III	S		P	
104	20.809	SS	NA	Y	0.9		1.2	4.3					6.4	9.0											P	
105	20.952	SS	NA	Y	0.6		4.7						5.3	9.0				4.0							F	
106	21.203	SS	NA	Y	1.0		2.0	1.4					4.4	12.0											F	
107	21.210	SS	NA	Y			1.9	1.5					3.4	5.0				7.0							F	Bottom up crack
108	21.372	SS	NA	Y	1.1		1.9						3.0	18.0											F	
109	21.537	SS	NA	N	0.6		0.9						1.5	12.0											F	
110	21.922	SS	NA	Y			12.7						12.7	6.0											F	
111	21.931	SS	NA	Y			5.0						5.0		7.4										F	
112	22.076	SS	NA	Y	1.0		1.5	2.5					5.0	16.0											F	
113	22.281	SS	NA	Y			3.5	1.2					4.7	13.0											F	
114	22.288	SS	NA	Y		1.3		3.5					4.8	12.0											F	
115	22.367	SS	NA	N	0.6		2.4						3.0	7.0											F	
116	22.551	SS	NA	Y		1.0	1.9						2.9	9.0											F	
117	22.621	SS	NA	N	1.0			2.5					3.5	10.5											F	
118	22.735	SS	NA	N			1.5	1.5					3.0	11.0											F	
119	22.869	SS	NA	Y			2.3	0.9					3.2	6.0											F	
120	22.977	SS	NA	Y	0.7		1.8	2.6					5.1	6.0											F	
121	22.985	SS	NA	Y	1.0		3.8						4.8	2.4											F	
122	23.108	SS	NA	Y			3.5						3.5					12.0							F	
AVERAGE					0.78	1.13	3.01	2.11					4.14	9.90	7.40		12.00	5.50	0.90							
MAX					1.10	1.30	12.70	4.30					12.70	18.00	7.40		12.00	7.00	0.90							
MIN					0.20	1.00	0.90	0.90					0.90	2.40	7.40		12.00	4.00	0.90							
LAYER COEF.					0.00	0.25	0.25	0.25	0.00	0.25	0.23			0.18	0.16	UNKW	0.11	0.08								

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Coring Completion Date: 10/10/2023

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