

**State of Florida Department of Transportation
PAVEMENT EVALUATION AND CONDITION DATA SHEET**

Project No.: 442885-1	Cored By: Elipsis Engineering and Consulting	Date: January 21, 2021	Page No.: 1 of 3
County: Brevard	Highway Sect. No: 70100 & 70100-001	From: Aurora Road	To: Humphrey Causeway Bridge
Road No.: SR 520	Begin MP: 7.740 & 0.578	End MP: 9.390 & 1.142	Length: 1.650 & 0.564

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-6	FC-12.5	Type SP	Type S	Type I	Surf. Trtmt.	Binder	Core Length (in)	Type	Thick-ness (in)	Depth (in)	Type	Class	Extent					
1	7.790	2.0	OR		1.2		1.2					2.4	ABC	11.4	-	-	-	-	F				
2	7.884	6.0	R2		2.0		1.5					3.5	LR	-	B	SL	II	S	P				Longitudal cracking - Center of Lane (Near Motor Werks)
3	8.139	9.0	R2	X	0.9		1.2	0.6				2.7	LR	11.3	B	A	II	S	P				Severe Alligator Cracking RWP--Wawa Entrance, Take base and subgrade sample.
4	8.399	8.5	R2	X	0.8		1.6					2.4	LR	10.6	B	A	II	S	P				Alligator cracking RWP-- Advance Discount Auto Parts Entrance
5	9.125	9.5	R2	X		1.0	0.3	0.9			0.3	2.5	LR	6.0	B	A	I	S	P				Alligator cracking RWP-- Just West of visible traffic loop (near SR 520/Delannoy Ave intersection)
6	9.331	4.0	OR			1.7						1.7	LR	6.4	-	-	-	-	F				
7	0.652	3.5	L2	X		1.3	0.9				1.5	3.7	LR	9.4	B	Br	I	S	P				LR Pumping - LWP - Take Base/Subgrade Sample
8	0.652	4.5	OL			1.2	0.9					10.5	SAHM w/ Shell	8.4	-	-	-	-	F				
9	0.978	3.5	L3	X		1.3	1.9	4.8				8.0	COQ	19.0	3.0	SL	I	S	P				Longitudal cracking LWP
10	8.296	4.0	L2		1.2		1.1					2.3	LR	10.7	B	A	I	S	P				Alligator cracking LWP-- Just West of Valencia Ave
11	8.159	3.0	L2	X	0.9		0.9	0.8				2.6	LR	11.4	B	A	II	M	P				Branch and Alligator cracking LWP--Just West of visible traffic loop (Newer Pavement)
12	7.904	6.0	L2		1.5		1.0				1.1	3.6	LR	-	B	SL	II	M	P				Longitudal cracking LWP Center of lane (Near TV station WMIE)
13	7.904	3.0	OL		1.6		1.5	0.8				3.9	LR	11.9	-	-	-	-	F				
14	7.790	8.0	R1		0.9		1.8				1.5	4.2	LR	-	B	SL	I	S	P				Longitudal Cracking RWP
15A	7.800	9.0	RLTL	X	1.2		2.9					4.1	LR	10.4	B	J	I	S	P				Side closest to median, To gated driveway
15B	7.800	9.0	RLTL	X	1.2				1.2		1.2	3.6	LR	10.9	B	J	I	S	P				Side closest to R1, To gated driveway

Remarks: Crack Depth of "B" indicates full depth crack to the base. EOP = Edge of Pavement
Crack Extent: L= Light; M= Moderate; S= Severe **Pavement Condition:** G= Good; F= Fair; P= Poor **Crack Types:** A= Alligator; Bl= Block; Br= Branch
 SL= Single Longitudal; ST= Single Transverse; R= Reflective; J= Joint; OGFC= Open-Graded FC Stress Crack
Base Types: LR= Limerock; COQ= Coquina; SC= Soil Cement; ABC= Asphalt Base; SAHMS= Sand Asphalt Hot Mix with Shell; NB= No Base; SBRMS = Sand Bituminous Road Mix with Shell; CC= Crushed Concrete

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Road No.: SR 520	Begin MP: 7.740 & 0.578	End MP: 9.390 & 1.142	Length: 1.650 & 0.564

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-6	FC-12.5	Type SP	Type S	Type I	Surf. Trtmt.	Binder	Core Length (in)	Type	Thick-ness (in)	Depth (in)	Type	Class	Extent						
16	8.612	3.0	R1	X	1.2		1.8					3.0	LR	11.0	B	Br	II	S	P			Branch cracking LWP-- Near Washington Ave		
17	9.022	2.5	R1	X		1.1	1.0	0.9			1.9	4.9	LR	5.1	B	A	I	L	P			Limerock pumping LWP--In front of Black Lotus (East of Florida Ave), Take Base/Subgrade Samples, Core length field measured, Binder layer disintegrated		
18	9.283	10.0	IR	X		2.2						2.2	LR	7.4	B	SL	II	M	P			Branch and longitudinal cracking		
19	0.631	5.5	IL			1.5						1.5	LR	11.8	-	-	-	-	F					
20	0.685	6.0	LLTL			0.7	0.8					13.0	ABC	11.5	-	-	-	-	F			Raveling -- center of lane, To Riveredge Blvd		
21	0.852	2.0	L1	X		1.0	1.2			1.0		3.2	LR	6.8	B	A	II	L	P			Alligator cracking with asphalt pop-outs (near intersection SR 520/Brevard Ave)		
22A	0.981	7.0	L1			1.4	0.5		3.2			5.1	LR	4.4	B	Br	II	M	P			EB Side of Core, Base crack not fully shown in order to show all core layers		
22B	0.981	7.0	L1			1.4	1.4					7.4	SAHM w/ Shell	4.6	B	Br	II	M	P			WB Side of Core		
23	8.580	5.5	L1		1.6		2.2					3.8	LR	-	-	-	-	-	F			*Take core in center of lane*- near Champions Honda entrance		
24	8.042	9.0	L1	X	0.9		1.7				1.4	4.0	LR	10.0	-	-	-	-	F					
25	8.034	2.5	LLTL	X	0.9		1.8				0.9	3.6	LR	10.8	-	-	-	-	F			To Varr Ave		
26A	0.981	6.0	L1			1.6	0.6	5.4				7.6	LR	1.9	B	Br	II	M	P			EB Side of Core, Extra Core Taken near Core 22 for better LR representation		
26B	0.981	6.0	L1			1.6	0.7	1.2				9.6	SAHM w/ Shell	6.1	B	Br	II	M	P			WB Side of Core, Extra Core Taken near Core 22 for better LR representation		

Remarks: Crack Depth of "B" indicates full depth crack to the base. EOP = Edge of Pavement * = Refer to Aerial Coring Plan for a more accurate location
Crack Extent: L= Light; M= Moderate; S= Severe **Pavement Condition:** G= Good; F= Fair; P= Poor **Crack Types:** A= Alligator; Bl= Block; Br= Branch
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