Project No.:	435657-1	Cored By: Ardaman & Associates (RK, AB)	Date:	4/27/2020	<b>Page No.:</b> 1 of 7
County:	Brevard	Highway Sect. No: 70100	From:	Indian River County Line / North End of Sebastian River Bridge	To: Just North of 1st Street (SB) North of Goat Creek Bridge (NB)
Road No.:	SR 5 (US 1)	Begin MP: 0.186	End MP:	5.710 SB / 8.821 NB	<b>Length:</b> 5.524 miles (SB) / 8.635 miles (NB)

		Distance from					Pave	ement Layer	(in.)		Ba	ise		Cr	ack					
Core No		left edge of lane (ft)	Lane	Wheel Path	FC-5	Type SP	Type S	Binder	Type II w/ Shell	Core Length (in)	Туре	Thick-ness (in)	Depth (in)	Type	Class	Extent	Pavt Cond.	Rut Depth (in)	Cross Slope (%)	Comments
2	0.252	7.0	R2		0.7	2.8	-	-	-	3.5	COQ	12.0	-	•	-	-	F			
3	0.252	2.5	OR		1.0	3.3	-	-	-	4.3	COQ	7.0	-	ı	-	-	F			
4	0.791	8.0	R2		0.7	1.8	1.3	-	-	3.8	LR	12.7	-	ı	-	-	F			
5	1.173	2.5	RRTL	X	0.8	1.5	1.9	-	-	4.2	LR	9.8	-	1	-	-	F			NB Right TL to Sebastian Inlet Marina
6	1.346	9.5	R2	X	0.9	1.8	1.2	0.7	-	4.6	LR		-	ı	-	-	F			
7	1.346	1.5	OR		1.1	-	1.6	-	-	2.7	LR	3.8	-	ı	-	-	F			
8	1.806	4.5	R2		0.7	2.1	1.7	0.6	-	5.1	LR	7.2	0.5	SL	I	M	F			
9	2.344	3.0	R2	X	0.5	0.5	1.6	0.6	-	3.2	LR		В	BR	III	M	F			
10	2.344	1.5	OR		1.2	-	1.5	-	-	2.7	LR	12.3	-	1	-	-	F			
11	2.855	8.0	R2		0.4	1.0	0.9	0.7	-	3.0	LR	7.0	В	SL	III	M	F			
12	3.611	3.0	R2	X	0.7	1.1	1.7	-	-	3.5	LR		0.5	SL	I	M	F			
13	3.611	2.0	OR		0.6	-	1.0	-	-	1.6	LR	5.9	-	ı	-	-	F			
14	4.060	2.5	R2	X	0.4	1.2	1.4	-	-	3.0	LR	7.5	В	SL	III	M	F			Flat Cross-Slope
15	4.317	4.5	R2		0.6	1.2	1.5	0.5	-	3.8	LR		В	SL	II	M	F			
16	4.317	2.0	OR		0.7	-	2.7	-	-	3.4	LR	9.4	-	1	-	-	F			Raveling
17	4.854	8.0	R2		0.5	1.3	1.5	0.9	-	4.2	LR	7.8	1.5	SL	II	M	F			

**Remarks:** Crack Depth of "B" indicates full depth crack to the base. EOP = Edge of Pavement

Note: There are some skips in core numbering due to hand-drlll at bridge slabs. The following Core # are skipped: 1, 29, 30, 32, 33, 55, 56, and 81.

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 Longitudinal; ST= Single Transverse; R= Reflective; J= Joint; OGFC= Open-Graded FC Stress Crack

Project No.: 435657-1 Cored By: Ardaman & Associates (RK, AB) Date: 4/27/2020 Page No.: 2 of 7 Indian River County Line / To: Just North of 1st Street (SB) **County:** Highway Sect. No: 70100 Brevard From: North End of Sebastian River Bridge North of Goat Creek Bridge (NB) 0.186 Road No.: SR 5 (US 1) Begin MP: End MP: 5.710 SB / 8.821 NB **Length:** 5.524 miles (SB) / 8.635 miles (NB)

		Distance from					Pave	ement Layer	(in.)		Ba	ise		Cr	ack					
Core No		left edge of lane (ft)	Lane	Wheel Path	FC-5	Type SP	Type S	Binder	Type II w/ Shell	Core Length (in)	Туре	Thick-ness (in)	Depth (in)	Туре	Class	Extent	Pavt Cond.	Rut Depth (in)	Cross Slope (%)	Comments
18	5.534	2.5	R2	X	0.5	1.3	1.1	-	1.1	4.0	LR		В	ST	III	M	F			
19	5.534	2.0	OR		1.1	-	2.3	-	-	3.4	LR	8.6	1	-	-	-	F			
20	6.164	6.0	R2		0.9	1.1	0.6	-	0.4	3.0	LR	9.0	В	SL	III	M	F			
21	6.543	9.0	R2	X	0.7	1.4	0.9	-	1.1	4.1	LR		В	ST	III	M	F			
22	6.543	1.5	OR		0.6	-	1.3	-	-	1.9	LR	8.1	В	ST	III	M	F			
23	7.103	3.0	R2	X	0.4	1.1	1.2	-	1.1	3.8	LR	7.7	В	SL	II	M	F			
24	7.529	9.5	R2	X	1.0	1.3	1.2	-	0.9	4.4	LR		В	ST	III	M	F			
25	7.529	2.0	OR		1.3	-	1.2	-	-	2.5	LR	11.8	1	ı	-	-	F			
26	8.059	6.0	R2		1.0	1.4	0.5	-	0.8	3.7	LR	8.3	В	ST	III	M	F			
27	8.448	6.0	R2		0.5	4.9	-	-		11.7	ABC	6.3	2.0	SL	III	M	F			7.8" of Limerock Below ABC
28	8.448	2.0	OR		0.6		4.6	-	-	5.2	LR	7.3	-	-	-	-	F			
31	8.780	2.0	R2	X	0.8	1.9	0.9	-	-	3.6	LR	7.9	2.0	BR	III	S	F			
34	0.212	6.0	RLTL		0.9	2.5	-	-	-	3.4	COQ	11.6	1	ı	-	-	F			NB Left Turn Lane to Main St. / Palm Ave.
35	0.711	6.0	R1		0.8	2.4	-	0.7	-	3.9	LR		0.8	OGFC	I	L	F			
36	1.080	2.5	R1	X	0.8	1.2	2.6	0.7	-	5.3	LR	7.2	0.3	OGFC	I	L	F			
37	1.258	5.5	RLTL		0.5	1.7	1.1	-	-	3.3	LR	10.0	-	-	-	-	F			NB Left TL to Steamboat Drive

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Project No.: 435657-1 Cored By: Ardaman & Associates (RK, AB) Date: 4/27/2020 Page No.: 3 of 7 Indian River County Line / To: Just North of 1st Street (SB) **County:** Highway Sect. No: 70100 Brevard From: North End of Sebastian River Bridge North of Goat Creek Bridge (NB) 0.186 Road No.: SR 5 (US 1) Begin MP: End MP: 5.710 SB / 8.821 NB **Length:** 5.524 miles (SB) / 8.635 miles (NB)

		Distance from	a				Pave	ement Layer	r (in.)		Ba	ase		Cr	ack					
Core No.	MP	left edge of lane (ft)		Wheel Path	FC-5	Type SP	Type S	Binder	Type II w/ Shell	Core Length (in)	Type	Thick-ness (in)	Depth (in)	Туре	Class	Extent	Pavt Cond.	Rut Depth (in)	Cross Slope (%)	Comments
38	1.737	6.0	R1		0.9	2.3	0.6	0.6	-	4.4	LR		0.3	OGFC	I	L	F			
39	2.366	7.0	R1		1.1	1.9	1.2	0.5	-	4.7	LR	9.3	2.0	SL	III	M	F			
40	2.942	4.5	R1		1.0	1.2	1.3	1.1	-	4.6	LR		-	-	-	-	F			
41	3.068	4.5	RLTL		0.5	-	3.0	-	-	3.5	LR	11.5	-	-	-	-	F			NB Left TL to Senne Road
42	3.784	7.5	R1		1.0	1.1	1.9	0.5	-	4.5	LR	8.5	2.0	SL	III	M	F			
43	4.090	8.0	R1		0.7	1.2	1.1	0.8	-	3.8	LR		2.0	SL	III	M	F			
44	4.554	2.5	R1	X	1.0	1.1	-	1.7	-	3.8	LR	8.2	-	-	-	-	F			Flat Cross-Slope
45	4.921	8.0	R1	X	0.9	1.2	1.4	0.5	-	4.0	LR		0.5	OGFC	II	L	F			Flat Cross-Slope
46	5.576	8.0	R1	X	0.6	1.1	1.3	-	1.1	4.1	LR	9.9	В	BR	III	M	F			
47	6.175	9.0	R1	X	1.1	1.4	1.6	-	1.1	5.2	LR		В	ST	III	M	F			11' Wide Lane
48	6.536	8.5	R1	X	0.5	1.3	1.3	-	0.6	3.7	LR	8.8	В	SL	III	M	F			
49	7.054	5.5	R1		0.5	1.5	0.8	-	1.0	3.8	LR		-	-	-	-	F			Raveling
50	7.244	7.0	R1		0.7	1.8	1.3	-	0.8	4.6	LR	7.9	В	SL	III	M	F			
51	7.886	9.5	R1	X	0.6	1.2	1.3	-	1.2	4.3	LR		В	ST	III	M	F			
52	8.225	2.0	RLTL	X	0.6	-	2.0	-	1.0	3.6	LR	9.9	В	BR	III	S	F			NB Left TL to Valkaria Road
53	8.427	5.5	R1	X	0.7	4.8	-	-		11.5	ABC	6.0	-	-	-	-	F			5.0" of Limerock Below ABC

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Project No.:	435657-1	Cored By: Ardaman & Associates (RK, AB)	Date:	4/27/2020	Page No.: 4 of 7
County:	Brevard	Highway Sect. No: 70100	From:	Indian River County Line / North End of Sebastian River Bridge	To: Just North of 1st Street (SB) North of Goat Creek Bridge (NB)
Road No.:	SR 5 (US 1)	Begin MP: 0.186	End MP:	5.710 SB / 8.821 NB	<b>Length:</b> 5.524 miles (SB) / 8.635 miles (NB)

		Distance from				T T		ment Layer	(in.)		Ba	ise		Cr	ack					
Core No.	MP	left edge of lane (ft)	Lane	Wheel Path	FC-5	Type SP	Type S	Binder	Type II w/ Shell	Core Length (in)	Туре	Thick-ness (in)	Depth (in)	Type	Class	Extent	Pavt Cond.	Rut Depth (in)	Cross Slope (%)	Comments
54	8.581	4.5	R1		0.6	4.3	-	-		12.4	ABC	7.5	2.0	SL	III	M	F			Brown Sand Subgrade Below ABC - Sample Obtained
57	8.672	6.5	R1		0.5	5.0	-	-		11.8	ABC	6.3	2.3	SL	III	М	F			Brown Sand Subgrade Below ABC
58	5.246	10.0	L2	X	0.6	1.3	1.3	1.3	-	4.5	LR	8.5	-	-	-	-	F			
59	5.246	1.5	OL		0.8	-	1.8	-	-	6.2	ABC	3.6	-	-	-	-	F			Core Unbonded ar 2.6 Inches
60	5.161	6.0	LRTL		0.9	1.3	-	-	-	2.2	LR	7.8	-	-	-	-	F			SB Right TL to All Tech Biz.
61	4.899	9.5	L2	X	1.0	1.4	-	1.9	-	4.3	LR	7.7	0.6	OGFC	I	L	F			
62	4.795	6.0	LRTL		1.3	-	2.1	-	-	3.4	LR	12.6	-	-	-	-	F			SB Right TL to Alexander Lane
63	4.301	6.0	L2		0.7	1.6	1.8	0.7	-	4.8	LR		-	-	-	-	F			
64	4.301	1.5	OL		0.5	1.5	2.3	-	-	7.7	ABC	3.4	-	-	-	-	F			Brown Sand Subgrade Below ABC
65	4.068	2.5	L2		0.5	1.3	-	1.5	-	3.3	LR	11.7	-	-	-	-	F			
66	3.284	10.0	L2	X	0.6	1.4	-	1.5	-	3.5	LR		-	-	-	-	F			
67	3.284	1.5	OL		0.7	1.3	-	-	-	5.0	ABC	3.0	-	-	-	-	F			Brown Sand Subgrade Below ABC
68	2.761	6.0	LRTL		0.9	0.8	2.2	-	-	3.9	LR	9.1	-	-	-	-	F			SB Right TL to Snug Harbor Way
69	2.699	6.0	L2		0.7	2.1	-	0.9	-	3.7	LR	10.3	-	-	-	-	F			
70	2.219	9.5	L2	X	0.9	1.3	-	1.2	-	3.4	LR		-	-	-	-	F			
71	2.219	1.0	OL		1.0	1.0	2.0	-	-	4.0	LR	7.0	-	-	-	-	F			

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Project No.: 435657-1 Cored By: Ardaman & Associates (RK, AB) 4/27/2020 Date: **Page No.:** 5 of 7 Indian River County Line / To: Just North of 1st Street (SB) **County:** Highway Sect. No: 70100 Brevard From: North End of Sebastian River Bridge North of Goat Creek Bridge (NB) 0.186 Road No.: SR 5 (US 1) Begin MP: End MP: 5.710 SB / 8.821 NB **Length:** 5.524 miles (SB) / 8.635 miles (NB)

		Distance from					Pave	ement Layer	(in.)		Ba	ise		Cr	ack					
Core No.		left edge of lane (ft)	Lane	Wheel Path	FC-5	Type SP	Type S	Binder	Type II w/ Shell	Core Length (in)	Туре	Thick-ness (in)	Depth (in)	Type	Class	Extent	Pavt Cond.	Rut Depth (in)	Cross Slope (%)	Comments
72	2.211	5.5	LRTL		1.2	1.1	1.0	-	-	3.3	LR	9.7	-	-	-	-	F			SB Right TL to Winn Dixie Plaza
73	2.018	2.5	LRTL	X	1.0	1.3	1.7	-	-	10.5	ABC	6.5	-	-	-	-	F			SB Right TL to Cumberland Farms/Micco Rd. Brown Sand Subgrade Below ABC
74	1.756	8.0	L2		0.9	1.4	-	0.6	-	2.9	LR	10.1	-	1	-	-	F			
75	1.260	9.5	L2	X	0.6	1.8	-	1.7	-	4.1	LR	6.2	ı	ı	-	-	F			
76	1.260	2.0	OL		1.2	2.2	-	-	-	6.7	ABC	3.3	1	ı	-	-	F			Brown Sand Subgrade Below ABC
77	0.520	10.0	L2	X	1.1	2.0	-	0.8	-	3.9	LR		1	ı	-	-	F			Raveling
78	0.263	6.0	LRTL		0.9	2.6	-	-	-	3.5	LR	7.5	-	1	-	-	F			SB Right TL to Palm Avenue
79	0.197	5.5	L2		0.5	3.4	-	-	-	3.9	COQ	7.1	1	ı	-	-	F			
80	0.197	2.0	OL		1.2	2.1	-	-	-	3.3	COQ	9.2	-	1	-	-	F			
82	5.573	5.0	L1		0.4	2.0	1.2	-	-	3.6	LR	11.4	1	ı	-	-	F			
83	5.320	16.0	MXO		0.7	-	2.9	-	-	3.6	LR	9.4	ı	ı	-	-	F			Raveling
84	5.270	2.5	L1		0.5	1.4	1.4	1.6	-	4.9	LR		1	ı	-	-	F			
85	4.628	5.0	L1		0.6	1.7	-	1.6	-	3.9	LR	12.1	1	ı	-	-	F			
86	4.498	18.0	MXO		0.6	-	1.0	1.0	-	2.6	LR	10.4	1	1	-	-	F			Raveling
87	4.342	10.0	LLTL		0.7	1.5	-	0.5	-	2.7	LR	6.3	-	1	-	-	F			SB Left TL to Residential Homes
88	3.894	5.5	L1		0.9	1.5	-	1.0	-	3.4	LR		-	-	-	-	F			

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Project No.: 435657-1 Cored By: Ardaman & Associates (RK, AB) Date: 4/27/2020 Page No.: 6 of 7 Indian River County Line / To: Just North of 1st Street (SB) **County:** Highway Sect. No: 70100 Brevard From: North End of Sebastian River Bridge North of Goat Creek Bridge (NB) 0.186 Road No.: SR 5 (US 1) Begin MP: End MP: 5.710 SB / 8.821 NB **Length:** 5.524 miles (SB) / 8.635 miles (NB)

		Distance from					Pave	ment Layer	(in.)		Ba	ise		Cr	ack					
Core No.		left edge of lane (ft)	Lane	Wheel Path	FC-5	Type SP	Type S	Binder	Type II w/ Shell	Core Length (in)	Туре	Thick-ness (in)	Depth (in)	Туре	Class	Extent	Pavt Cond.	Rut Depth (in)	Cross Slope (%)	Comments
89	3.659	12.0	MXO		1.0	-	0.8	2.0	-	3.8	LR	10.7	-	-	-	-	F			Raveling
90	3.574	5.5	L1		0.8	1.5	-	1.7	-	4.0	LR	9.5	-	-	-	-	F			
91	2.991	2.5	L1		0.6	1.7	-	1.4	-	3.7	LR		-	-	-	-	F			Flat Cross-Slope
92	2.540	16.0	MXO		1.0	ı	2.0	1.6	-	4.6	LR	9.4	-	-	-	-	F			Raveling
93	2.371	6.0	L1		0.7	1.6	-	0.9	-	3.2	LR	9.8	-	-	-	-	F			
94	1.847	2.5	L1		0.7	3.0	-	1.0	-	4.7	LR		-	-	-	-	F			
95	1.477	9.5	L1		0.8	1.9	-	0.5	-	3.2	LR	8.8	-	-	-	-	F			
96	1.477	24.0	MXO		0.9	1.4	-	1.1	-	3.4	LR	9.1	-	-	-	-	F			Raveling
97	1.165	5.5	LLTL		0.5	1.5	1.1	-	-	3.1	LR	13.2	-	-	-	-	F			SB Left TL to "U-Turn"/Sebastian Inlet Marina
98	1.036	5.5	L1		1.1	1.7	-	0.5	-	3.3	LR		-	-	-	-	F			
99	0.789	6.0	MXO		1.1	1.2	-	-	1.2	3.5	LR	11.0	-	-	-	-	F			
100	0.593	6.0	L1		0.6	1.8	-	1.0	-	3.4	LR	7.6	-	-	-	-	F			
101	0.213	2.5	L1	X	0.8	2.7	-	-	-	3.5	COQ	11.5	-	-	-	-	F			Flat Cross-Slope

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Project No.: 435657-1 Cored By: Ardaman & Associates (RK, AB) 4/27/2020 Page No.: 7 of 7 Date: Indian River County Line / To: Just North of 1st Street (SB) **County:** Brevard Highway Sect. No: 70100 From: North End of Sebastian River Bridge North of Goat Creek Bridge (NB) SR 5 (US 1) 0.186 Road No.: Begin MP: End MP: 5.710 SB / 8.821 NB **Length:** 5.524 miles (SB) / 8.635 miles (NB)

		Distance from					Pave	ment Layer	(in.)		Ва	ise		Cra	ack					
Core No.	MP	left edge of lane (ft)	Lane	Wheel Path	FC-5	Type SP	Type S	Binder	Type II w/ Shell	Core Length (in)	Туре	Thick-ness (in)	Depth (in)	Туре	Class	Extent	Pavt Cond.	(in)	Cross Slope (%)	Comments
D1	0.188	6.0	R2		-	=	-	-	-	3.0	CONC.	-	-	-	-	-	F			Hand Drill for Overlay Thickness at Bridge #700224 Leave Slab
D2	8.607	5.0	R2		-	-	-	-	1	2.8	CONC.		-	1	-	-	F			Hand Drill for Overlay Thickness at Bridge #700205 Approach Slab
D3	8.634	6.0	R2		-	-	-	-	-	2.8	CONC.		-	-	-	-	F			Hand Drill for Overlay Thickness at Bridge #700205 Leave Slab
D4	0.188	5.0	R1		-	-	-	-	-	2.8	CONC.		-	-	-	-	F			Hand Drill for Overlay Thickness at Bridge #700224 Leave Slab
D5	0.188	6.0	RLTL		-	-	-	-	-	2.8	CONC.		-	-	-	-	F			Hand Drill for Overlay Thickness at Bridge #700224 Leave Slab
D6	8.607	5.0	R1		-	-	-	-	-	2.8	CONC.		-	-	-	-	F			Hand Drill for Overlay Thickness at Bridge #700205 Approach Slab
D7	8.634	5.5	R1		-	-	-	-	-	2.8	CONC.		-	-	-	-	F			Hand Drill for Overlay Thickness at Bridge #700205 Leave Slab
D8	0.190	5.5	L2		-	-	-	-	-	2.5	CONC.		-	-	-	-	F			Hand Drill for Overlay Thickness at Bridge #700224 Approach Slab
D9	0.193	5.5	L1		-	-	-	-	-	3.0	CONC.		-	-	-	-	F			Hand Drill for Overlay Thickness at Bridge #700224 Approach Slab

**Remarks:** Crack Depth of "B" indicates full depth crack to the base. EOP = Edge of Pavement

Note: There are some skips in core numbering due to hand-drlll at bridge slabs. The following Core # are skipped: 1, 29, 30, 32, 33, 55, 56, and 81.

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 Longitudinal; ST= Single Transverse; R= Reflective; J= Joint; OGFC= Open-Graded FC Stress Crack