

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

Cored By: M.Cornwell, P. Zydek

Date: 12/21/2020

Typical Section: Urban

W.P.I. No.:		Name: Manatee Traffic Operations Improvements				Lanes: 7	
Fin. Proj. ID: 444807-1		From: Just south of 9th Avenue				Shoulder Type and	
Roadway ID: 13130000		To: Just north of Manatee Avenue				Inside: N	
County: Manatee		SR No.: 55/45/93		Beg MP: 1.882		End MP: 2.388	
Overall Pavement Condition (from DMO field review): Fair		Length: 0.506		Outside: N		Curb & Gutter (Y/N): Y	
		Median Curbed (Y/N):		Paved		Lawn	
				Other:			

**All Cores - 13130000**

CORE NO.	MILE POST <sup>1</sup>	LANE TYPE	LANE	WP (Y/N)	PAVEMENT LAYER (IN.)								TOTAL ASPHALT THICKNESS (IN.)	BASE				STABILIZED SUBGRADE <sup>2</sup>	CRACK				PAVEMENT CONDITION	COMMENTS
					FC9.5	SP9.5	S	BIND						LR	ABC-3	CONC	SHEL		DEPTH (IN.)	TYPE	CLASS	EXTENT		
101	1.989	TL/CO	RLTL	N	0.7	2.1		1.6					4.4	6.5			12.0				Fair	Core separated at SP layer; Left Turn Lane		
102	1.989	ML	R4	Y	1.0	3.4						4.4			13.9		2.4	C	II	M	Poor			
107	2.041	ML	L3	Y	1.3	1.1		0.7				3.1	8.9				3.1	B	III	M	Poor	Base crack		
108	2.044	TL/CO	LLTL	Y	1.2	1.2		1.4				3.8	7.5			15.0	3.8	A	IB	L	Fair	Base crack; Left Turn Lane		
109	2.054	SS	L3	N	1.1		3.1					4.2		10.5							Fair	8th Ave. Dr. W		
110	2.137	TL/CO	RRTL	Y	1.1	0.6	3.7					5.4		5.7							Fair	Right Turn Lane		
111	2.136	ML	R1	Y	1.5	1.1		3.4				6.0	7.5								Fair			
112	2.187	ML	L2	Y	1.0	2.1		0.6				3.7	9.3				2.1	B	II	M	Poor			
113	2.189	TL/CO	LLTL	Y	1.0	1.2	1.2	2.1				5.5	10.0				0.9	C	IB	M	Poor	Left Turn Lane		
114	2.230	ML	R2	Y	1.1	1.8		0.8				3.7	8.0			9.0	3.7	C	II	S	Poor	Base crack		
115	2.232	TL/CO	RLTL	Y	1.3	0.8	0.6	1.4				4.1	9.0				2.0	B	II	M	Poor	Left Turn Lane		
118	2.272	ML	L3	N	0.9	1.5	2.2	1.5				6.1	10.5								Fair			
119	2.272	TL/CO	LRTL	Y	1.0	1.1	7.3					9.4	5.4				1.3	A	IB	L	Fair	Right Turn Lane		
<b>AVERAGE</b>					<b>1.09</b>	<b>1.50</b>	<b>3.02</b>	<b>1.50</b>				<b>4.91</b>	<b>8.26</b>	<b>5.70</b>	<b>10.50</b>	<b>13.90</b>	<b>12.00</b>	<b>2.41</b>						
<b>MAX</b>					<b>1.50</b>	<b>3.40</b>	<b>7.30</b>	<b>3.40</b>				<b>9.40</b>	<b>10.50</b>	<b>5.70</b>	<b>10.50</b>	<b>13.90</b>	<b>15.00</b>	<b>3.80</b>						
<b>MIN</b>					<b>0.70</b>	<b>0.60</b>	<b>0.60</b>	<b>0.60</b>				<b>3.10</b>	<b>5.40</b>	<b>5.70</b>	<b>10.50</b>	<b>13.90</b>	<b>9.00</b>	<b>0.90</b>						
<b>LAYER COEF.</b>					<b>0.25</b>	<b>0.25</b>	<b>0.25</b>	<b>0.20</b>					<b>0.12</b>	<b>0.20</b>	<b>0.12</b>	<b>0.10</b>	<b>0.08</b>							

- Notes:
- Mile posts are approximate based on field recorded measurements using a Distance Measuring Instrument (DMI).
  - Stabilization thickness was checked on 10% of the coring locations. For pavement design assume 12 inches of thickness for stabilization.
  - The cross slope is measured in the center of the lane.
  - A blank cell indicates measurement was not recorded.

OL - Outside Left Shoulder L1 - 1st Lane Left of Centerline	<u>Lane Designations</u> OR - Outside Right Shoulder R1 - 1st Lane Right of Centerline	<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	<u>Lane Type</u> ML - Mainline; S - Shoulder TL - Turn Lane; SS - Side Street CO - Crossover
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STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION  
**PAVEMENT EVALUATION CORING AND CONDITION DATA**

Cored By: M.Cornwell, P. Zydek

Date: 12/21/2020

Typical Section: Urban

W.P.I. No.:	Name: Manatee Traffic Operations Improvements	Lanes: 2
Fin. Proj. ID: 444807-1	From: Just north of 9th Avenue West	Shoulder Type and
Roadway ID: 3rd Street W Pathway (MP 0.000 @ 16th Ave W)	To: Just north of Manatee Avenue	Inside: N
County: Manatee	Beg MP: 0.440	End MP: 0.684
SR No.:	Length: 0.244	Outside: N
Overall Pavement Condition (from DMO field review): Fair	Median Curbed (Y/N):	Paved
	Lawn	Other:
		Curb & Gutter (Y/N): Y

**All Cores - 3rd Street W Pathway**

CORE NO.	MILE POST <sup>1</sup>	LANE TYPE	LANE	WP (Y/N)	PAVEMENT LAYER (IN.)								TOTAL ASPHALT THICKNESS (IN.)	BASE				STABILIZED SUBGRADE <sup>2</sup>	CRACK				PAVEMENT CONDITION	COMMENTS
					FC2	FC9.5	SP9.5	S						LR	ABC-3	SHEL	CONC		DEPTH (IN.)	TYPE	CLASS	EXTENT		
121	0.682	ML	L1	N		1.0	4.5						5.5		6.8						Fair			
123	0.658	TL/CO	RLTL	N	0.7			1.9					2.6			8.1					Fair	Left Turn Lane		
124	0.593	TL/CO	LLTL	N	1.1			3.1					4.2		6.0						Fair	Left Turn Lane		
125	0.569	ML	R1	N	1.3			3.3					4.6		7.1						Fair			
126	0.481	ML	R1	N		1.0	1.1						2.1								Fair			
127	0.470	SS	R1	N		1.2	2.0						3.2								Fair	8th Ave. Dr. W		
128	0.446	ML	L1	N	0.8			1.1					1.9	8.0							Fair			
<b>AVERAGE</b>					<b>0.98</b>	<b>1.07</b>	<b>2.53</b>	<b>2.35</b>					<b>3.44</b>	<b>8.00</b>	<b>6.63</b>	<b>8.10</b>	<b>4.30</b>	<b>10.20</b>						
<b>MAX</b>					<b>1.30</b>	<b>1.20</b>	<b>4.50</b>	<b>3.30</b>					<b>5.50</b>	<b>8.00</b>	<b>7.10</b>	<b>8.10</b>	<b>4.50</b>	<b>10.20</b>						
<b>MIN</b>					<b>0.70</b>	<b>1.00</b>	<b>1.10</b>	<b>1.10</b>					<b>1.90</b>	<b>8.00</b>	<b>6.00</b>	<b>8.10</b>	<b>4.10</b>	<b>10.20</b>						
<b>LAYER COEF.</b>					<b>0.00</b>	<b>0.25</b>	<b>0.25</b>	<b>0.25</b>						<b>0.12</b>	<b>0.20</b>	<b>0.10</b>	<b>0.12</b>	<b>0.08</b>						

Notes:

1. Mile posts are approximate based on field recorded measurements using a Distance Measuring Instrument (DMI).
2. Stabilization thickness was checked on 10% of the coring locations. For pavement design assume 12 inches of thickness for stabilization.
3. The cross slope is measured in the center of the lane.
4. A blank cell indicates measurement was not recorded.

<p><u>Lane Designations</u></p> <p>OL - Outside Left Shoulder L1 - 1st Lane Left of Centerline</p>	<p><u>Lane Designations</u></p> <p>OR - Outside Right Shoulder R1 - 1st Lane Right of Centerline</p>	<p><u>Crack Type</u></p> <p>A - Alligator B - Block C - Combination</p>	<p><u>Crack Rating</u></p> <p>Class I - Hairline cracks that are ≤ 1/8 inch wide Class II - Cracks &gt; than 1/8 inch and ≤ 1/4 inch Class III - Cracks &gt; 1/4 inch</p>	<p><u>Extent</u></p> <p>L - Light M - Moderate S - Severe</p>	<p><u>Pavement Condition</u></p> <p>G - Good F - Fair P - Poor</p>	<p><u>Lane Type</u></p> <p>ML - Mainline; S - Shoulder TL - Turn Lane; SS - Side Street CO - Crossover</p>
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**PAVEMENT EVALUATION CORING AND CONDITION DATA**

Cored By: M.Cornwell, P. Zydek

Date: 12/21/2020

Typical Section: Urban

W.P.I. No.:		Name:	Manatee Traffic Operations Improvements			Lanes:	4	
Fin. Proj. ID:	444807-1	From:	Just south of 6th Avenue West			Shoulder Type and		
Roadway ID:	13010001	To:	Manatee Avenue			Inside:	N	
County:	Manatee	SR No.:	45	Beg MP:	0.1	End MP:	0.213	
Overall Pavement Condition (from DMO field review):		Fair	Median Curbed (Y/N):	Paved	Lawn	Other:		
					Length:	0.113	Outside:	N
							Curb & Gutter (Y/N):	Y

**All Cores - 13010001**

CORE NO.	MILE POST <sup>1</sup>	LANE TYPE	LANE	WP (Y/N)	PAVEMENT LAYER (IN.)								TOTAL ASPHALT THICKNESS (IN.)	BASE				STABILIZED SUBGRADE <sup>2</sup>	CRACK				PAVEMENT CONDITION	COMMENTS
					FC2	S										LR					DEPTH (IN.)	TYPE		
129	0.111	ML	R2	Y	1.3	4.0							5.3	14.0								Fair		
130	0.142	ML	L2	Y	1.4	3.4							4.8	12.1								Fair		
131	0.148	TL/CO	LLTL	Y	1.0	3.5							4.5	12.0								Fair	Left Turn Lane	
132	0.189	TL/CO	RLTL	Y	1.0	3.2							4.2	11.5								Fair	Left Turn Lane	
133	0.195	ML	R2	N	1.0	3.2							4.2	12.8								Fair		
<b>AVERAGE</b>					<b>1.14</b>	<b>3.46</b>							<b>4.60</b>	<b>12.48</b>										
<b>MAX</b>					<b>1.40</b>	<b>4.00</b>							<b>5.30</b>	<b>14.00</b>										
<b>MIN</b>					<b>1.00</b>	<b>3.20</b>							<b>4.20</b>	<b>11.50</b>										
<b>LAYER COEF.</b>					<b>0.00</b>	<b>0.25</b>								<b>#####</b>										

- Notes:
- Mile posts are approximate based on field recorded measurements using a Distance Measuring Instrument (DMI).
  - Stabilization thickness was checked on 10% of the coring locations. For pavement design assume 12 inches of thickness for stabilization.
  - The cross slope is measured in the center of the lane.
  - A blank cell indicates measurement was not recorded.

<u>Lane Designations</u>	<u>Crack Type</u>	<u>Crack Rating</u>	<u>Extent</u>	<u>Pavement Condition</u>	<u>Lane Type</u>
OL - Outside Left Shoulder L1 - 1st Lane Left of Centerline	OR - Outside Right Shoulder R1 - 1st Lane Right of Centerline	A - Alligator B - Block C - Combination	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	L - Light M - Moderate S - Severe	G - Good F - Fair P - Poor
					ML - Mainline; S - Shoulder TL - Turn Lane; SS - Side Street CO - Crossover

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

Cored By: M.Cornwell, P. Zydek

Date: 12/21/2020

Typical Section: Urban

W.P.I. No.:	Name: Manatee Traffic Operations Improvements	Lanes: 3
Fin. Proj. ID: 444807-1	From: Just east of South Tamiami Trail	Shoulder Type and
Roadway ID: 13050101	To: Just west of 3rd Street W	Inside: N
County: Manatee	SR No.: 64 (Manatee Ave)	Outside: N
Overall Pavement Condition (from DMO field review): Fair	Beg MP: 0.92	End MP: 1.120
	Length: 0.200	Other:
	Median Curbed (Y/N):	Curb & Gutter (Y/N): Y

**All Cores - 13050101 (Manatee Ave)**

CORE NO.	MILE POST <sup>1</sup>	LANE TYPE	LANE	WP (Y/N)	PAVEMENT LAYER (IN.)										TOTAL ASPHALT THICKNESS (IN.)	BASE				STABILIZED SUBGRADE <sup>2</sup>	CRACK				PAVEMENT CONDITION	COMMENTS
					FC9.5	SP9.5	S	BIND								LR	ABC-3	CONC	SHEL		DEPTH (IN.)	TYPE	CLASS	EXTENT		
116	0.934	TL/CO	LLTL	Y	1.0	2.2									3.2	9.5			10.0					Fair	Left Turn Lane; 1/2 Shell & 1/2 LR Base	
117	0.925	TL/CO	LRTL	Y	1.1	1.8	1.0	1.6							5.5	11.8								Fair	Right Turn Lane	
120	1.092	TL/CO	LRTL	N	1.3	3.2									4.5		8.2							Fair	Right Turn Lane	
122	1.113	ML	L1	N	1.3	3.7									5.0		5.8							Fair		
<b>AVERAGE</b>					<b>1.18</b>	<b>2.73</b>	<b>1.00</b>	<b>1.60</b>							<b>4.55</b>	<b>10.65</b>	<b>7.00</b>		<b>10.00</b>							
<b>MAX</b>					<b>1.30</b>	<b>3.70</b>	<b>1.00</b>	<b>1.60</b>							<b>5.50</b>	<b>11.80</b>	<b>8.20</b>		<b>10.00</b>							
<b>MIN</b>					<b>1.00</b>	<b>1.80</b>	<b>1.00</b>	<b>1.60</b>							<b>3.20</b>	<b>9.50</b>	<b>5.80</b>		<b>10.00</b>							
<b>LAYER COEF.</b>					<b>0.25</b>	<b>0.25</b>	<b>0.25</b>	<b>0.20</b>								<b>0.12</b>	<b>0.20</b>	<b>0.12</b>	<b>0.10</b>	<b>0.08</b>						

Notes:

1. Mile posts are approximate based on field recorded measurements using a Distance Measuring Instrument (DMI).
2. Stabilization thickness was checked on 10% of the coring locations. For pavement design assume 12 inches of thickness for stabilization.
3. The cross slope is measured in the center of the lane.
4. A blank cell indicates measurement was not recorded.

<p><u>Lane Designations</u></p> <p>OL - Outside Left Shoulder L1 - 1st Lane Left of Centerline</p>	<p><u>Lane Designations</u></p> <p>OR - Outside Right Shoulder R1 - 1st Lane Right of Centerline</p>	<p><u>Crack Type</u></p> <p>A - Alligator B - Block C - Combination</p>	<p><u>Crack Rating</u></p> <p>Class IB - Hairline cracks that are ≤ 1/8 inch wide Class II - Cracks &gt; than 1/8 inch and ≤ 1/4 inch Class III - Cracks &gt; 1/4 inch</p>	<p><u>Extent</u></p> <p>L - Light M - Moderate S - Severe</p>	<p><u>Pavement Condition</u></p> <p>G - Good F - Fair P - Poor</p>	<p><u>Lane Type</u></p> <p>ML - Mainline; S - Shoulder TL - Turn Lane; SS - Side Street CO - Crossover</p>
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**PAVEMENT EVALUATION CORING AND CONDITION DATA**

Cored By: M.Cornwell, P. Zydek

Date: 12/21/2020

Typical Section: Urban

W.P.I. No.:	Name: Manatee Traffic Operations Improvements	Lanes: 4
Fin. Proj. ID: 444807-1	From: Just West of South Tamiami Trail	Shoulder Type and
Roadway ID: 9th Ave W (Martin Luther King Jr.) Pathway (MP 0.000 @ RR624717-K)	To: Just East of South Tamiami Trail	Inside: N
County: Manatee	Beg MP: 0.2	End MP: 0.310
SR No.:	Length: 0.110	Outside: N
Overall Pavement Condition (from DMO field review): Fair	Median Curbed (Y/N):	Curb & Gutter (Y/N): Y
	Paved	Lawn
	Other:	

**All Cores - 9th Ave W (MLK) Pathway**

CORE NO.	MILE POST <sup>1</sup>	LANE TYPE	LANE	WP (Y/N)	PAVEMENT LAYER (IN.)								TOTAL ASPHALT THICKNESS (IN.)	BASE				STABILIZED SUBGRADE <sup>2</sup>	CRACK				PAVEMENT CONDITION	COMMENTS
					FC9.5	SP9.5	S	BIND						LR	ABC-3	CONC	SHEL		DEPTH (IN.)	TYPE	CLASS	EXTENT		
103	0.306	TL/CO	LLTL	N	1.0	1.3							2.3				10.0					Fair	Left Turn Lane	
104	0.306	ML	L2	Y	1.1	2.3							3.4				7.7		1.0	B	IB	L	Fair	
105	0.271	ML	R2	N	1.3	1.3							2.6				9.2					Fair		
106	0.271	TL/CO	RLTL	N	1.3	1.9							3.2				12.5					Fair	Left Turn Lane	
<b>AVERAGE</b>					<b>1.18</b>	<b>1.70</b>							<b>2.88</b>				<b>9.85</b>		<b>1.00</b>					
<b>MAX</b>					<b>1.30</b>	<b>2.30</b>							<b>3.40</b>				<b>12.50</b>		<b>1.00</b>					
<b>MIN</b>					<b>1.00</b>	<b>1.30</b>							<b>2.30</b>				<b>7.70</b>		<b>1.00</b>					
<b>LAYER COEF.</b>					<b>0.25</b>	<b>0.25</b>	<b>0.25</b>	<b>0.20</b>						<b>0.12</b>	<b>0.20</b>	<b>0.12</b>	<b>0.10</b>	<b>0.08</b>						

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<u>Lane Designations</u>	<u>Crack Type</u>	<u>Crack Rating</u>	<u>Extent</u>	<u>Pavement Condition</u>	<u>Lane Type</u>
OL - Outside Left Shoulder L1 - 1st Lane Left of Centerline	OR - Outside Right Shoulder R1 - 1st Lane Right of Centerline	A - Alligator B - Block C - Combination	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	L - Light M - Moderate S - Severe	G - Good F - Fair P - Poor
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