



August 30, 2012

Florida Department of Transportation
1650 N. Kepler Road
DeLand, Florida 32724

Attention: Mr. Tim Keefe

Reference: Final Pavement Evaluation and Condition Data Report
SR 60 from the east end of Kissimmee River Bridge to end of 3-
Lane passing segment and from 2.813 miles east of Blanket Bridge
to west of SR 91/Florida's Turnpike.
Osceola County, Florida
FPN 428867-1
Section No: 92 070
Contract No.: C-9570

Dear Mr. Keefe:

Per your request, Elipsis Engineering & Consulting (EEC) has obtained pavement core and other relative information for the above referenced project. Our scope of services was conducted in accordance with your request for proposal dated June 13, 2012.

The pavement core data is presented on the attached Pavement Evaluation and Condition Data (PECD) Sheets 1 thru 4. We have also included supplemental data sheets for the GPS locations and Cross-slope data for each core location, roadway core location photographs and core photographs.

To the best of our knowledge, the information presented in the attachments to this letter are accurate and represents the existing pavement conditions at the locations cored. The pavement cores have been retained in storage pending further instructions from FDOT regarding their disposal.

Please feel free to contact us with any concerns or requests for further information.

Sincerely,

Elipsis Engineering & Consulting, LLC

Certificate of Authorization No. 28455

 PE


Thomas E. Whitney, PE

Principal Engineer

Signature Date: 8/30/12

STATE OF FLORIDA

Registered Professional Engineer No. 58811

Laying a new foundation for growth, one job at a time!

State of Florida Department of Transportation

PAVEMENT EVALUATION AND CONDITION DATA SHEET

Project No.:		FPN 428867-1		Cored By:		Elipsis Engineering and Consulting		Date:		August 30, 2012		Page No.:		4 of 4														
County:		Osceola		Highway Sect. No.:		92 070		From:		East end of Kissimmee River bridge 2.813 mi east of Blanket Bridge		To:		End of 3-lane passing segment West of SR 91 / Florida's Turnpike														
Road No.:		SR 60		Begin MP:		0.113 8.114		End MP:		2.528 19.956		Length:		2.415 miles 11.842 miles														
Core No.	MP	Distance from left edge of lane (ft)	Lane	Wheel Path	FC-3			FC-2			FC-1			Pavement Layer (in)	Base			Crack			Rut Depth (ft)	Cross Slope (%)	Comments					
					FC2	FC3	Type S	ARMPT	Type I	Type II	ABC	SNORM	Core Length (ft)		Type	Thickness (in)	Depth (in)	Type	Class	Extent				Pvlt Cond.				
49	13.351	9.0	R2	X	0.4		2.4					6.3		9.1	ABC	6.3	6.3	SL	II	M	P							
50	13.351	2.5	OR				2.1					3.5		5.6	ABC	3.5						F						
51	13.700	2.5	R1	X	0.4		3.1		3.0	0.7			0.0*	7.2	SBRM	N/A	1.8	Br	II	M	P							
52	16.402	4.0	R1	X			4.5							5.9	LR LS	9.2	2.3	Br	II	M	P							
53	16.402	2.5	OR				3.0							3.0	LR	6.3					F							
54	17.301	4.0	R1	X			2.7							4.1	LR LS	N/A	0.3	SL	I	L	P							
55	17.301	0.5	OR				1.0							3.0	COQ	N/A					F							
56	18.802	3.0	R1	X			4.0							5.6	LR LS	7.0	0.2	SL	I	L	P							
57	18.802	2.0	OR				1.6							2.9	COQ	6.6					F							
58	19.450	2.0	R1	X			3.8							5.6	LR LS	N/A	1.6	ST	I	L	P							
59	19.450	2.5	OR				2.0							3.0	COQ	N/A					F							
60																												
61																												
62																												
63																												
64																												

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; B1= Block; Br= Branch

SL= Single Longitudinal; 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; SAHM= Sand Asphalt Hot Mix; NB= No Base

Supplemental Data to PECD

(GPS Coordinates for Each Locations Cored)

SR 60

FIN: 428867-1

County: Osceola

Core #	GPS Coordinates
1	27° 42' 4.6368" N -80° 54' 29.2716" W
2	27° 42' 4.6368" N -80° 54' 29.2716" W
3	27° 42' 24.9012" N -80° 55' 20.442" W
4	27° 42' 24.8976" N -80° 55' 20.442" W
5	27° 42' 54.5832" N -80° 56' 35.4876" W
6	27° 42' 54.5832" N -80° 56' 35.4876" W
7	27° 43' 6.8124" N -80° 57' 20.2572" W
8	27° 43' 6.8088" N -80° 57' 20.2572" W
9	27° 43' 10.146" N -80° 57' 39.024" W
10	27° 43' 13.4364" N -80° 57' 57.708" W
11	27° 43' 13.4364" N -80° 57' 57.708" W
12	27° 43' 15.5928" N -80° 58' 10.1892" W
13	27° 43' 19.1892" N -80° 58' 30.7524" W
14	27° 43' 19.1892" N -80° 58' 30.7524" W
15	27° 43' 19.1892" N -80° 58' 30.7524" W
16	27° 43' 31.8288" N -80° 59' 44.3436" W
17	27° 43' 31.8288" N -80° 59' 44.3436" W
18	27° 43' 52.3524" N -81° 1' 2.5932" W
19	27° 43' 52.3524" N -81° 1' 2.5932" W
20	27° 44' 17.0088" N -81° 2' 7.4364" W

Core #	GPS Coordinates
21	27° 44' 17.0088" N -81° 2' 7.4364" W
22	27° 44' 51.4788" N -81° 3' 37.9188" W
23	27° 44' 51.4788" N -81° 3' 37.9188" W
24	27° 45' 15.8904" N -81° 4' 38.0532" W
25	27° 45' 15.8904" N -81° 4' 38.0532" W
26	27° 48' 6.0336" N -81° 10' 35.6448" W
27	27° 48' 6.0336" N -81° 10' 35.6448" W
28	27° 48' 14.8284" N -81° 10' 56.6976" W
29	27° 48' 14.8284" N -81° 10' 56.6976" W
30	27° 48' 17.6508" N -81° 11' 46.68" W
31	27° 48' 17.6508" N -81° 11' 46.68" W
32	27° 48' 15.9732" N -81° 11' 26.376" W
33	27° 48' 15.9732" N -81° 11' 26.376" W
34	27° 48' 11.8548" N -81° 10' 49.0152" W
35	27° 48' 11.8548" N -81° 10' 49.0152" W
36	27° 48' 3.3012" N -81° 10' 30.7524" W
37	27° 47' 49.5168" N -81° 10' 1.0956" W
38	27° 47' 49.5168" N -81° 10' 1.0956" W
39	27° 47' 49.5168" N -81° 10' 1.0956" W
40	27° 45' 5.1912" N -81° 4' 14.5884" W

Supplemental Data to PECD

(GPS Coordinates for Each Locations Cored)

SR 60

FIN: 428867-1

County: Osceola

Core #	GPS Coordinates
41	27° 45' 5.1912" N -81° 4' 14.5884" W
42	27° 44' 45.6108" N -81° 3' 23.3208" W
43	27° 44' 45.6108" N -81° 3' 23.3208" W
44	27° 44' 10.6908" N -81° 1' 51.6108" W
45	27° 44' 10.6908" N -81° 1' 51.6108" W
46	27° 43' 43.1292" N -81° 0' 39.0024" W
47	27° 43' 43.1292" N -81° 0' 39.0024" W
48	27° 43' 34.9788" N -81° 0' 4.7124" W
49	27° 43' 34.9788" N -81° 0' 4.7124" W
50	27° 43' 34.9788" N -81° 0' 4.7124" W
51	27° 43' 31.5336" N -80° 59' 44.862" W
52	27° 43' 4.5336" N -80° 57' 8.7516" W
53	27° 43' 4.5336" N -80° 57' 8.7516" W
54	27° 42' 47.952" N -80° 56' 19.5612" W
55	27° 42' 47.952" N -80° 56' 19.5612" W
56	27° 42' 16.0632" N -80° 54' 59.0184" W
57	27° 42' 16.0632" N -80° 54' 59.0184" W
58	27° 42' 2.3292" N -80° 54' 24.228" W
59	27° 42' 2.3292" N -80° 54' 24.228" W
60	

Core #	GPS Coordinates
61	
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