

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

CONTRACT PLANS

FINANCIAL PROJECT ID 436302-1-52-01

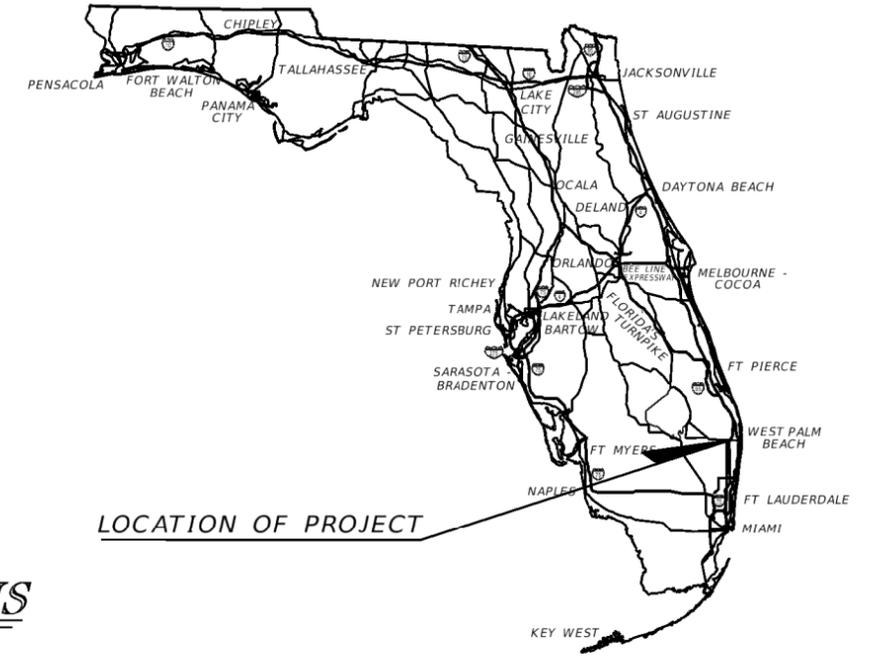
PALM BEACH COUNTY (93120)

STATE ROAD NO. 80 / SOUTHERN BLVD
FROM PIKE ROAD TO E. OF NB TURNPIKE RAMPS

SIGNING AND PAVEMENT MARKING PLANS

INDEX OF SIGNING AND PAVEMENT MARKING PLANS

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S-10	MULTI-COLUMN SIGN DATA
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SIGNING AND PAVEMENT MARKING PLANS
ENGINEER OF RECORD:

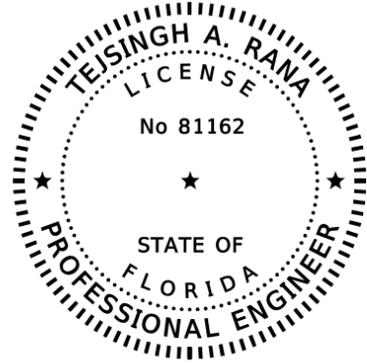
TEJSINGH A. RANA, P.E.
P.E. NO.: 81162
JACOBS ENGINEERING GROUP INC.
3750 NW 87 AVENUE, STE 750
MIAMI, FL 33178
CONTRACT NO.: C9L14
VENDOR NO.: F954081636
CERTIFICATE OF AUTHORIZATION NO.: 2822

FDOT PROJECT MANAGER:

BINOD BASNET, P.E.

CONSTRUCTION CONTRACT NO.	FISCAL YEAR	SHEET NO.
E4T01	18	S-1

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.



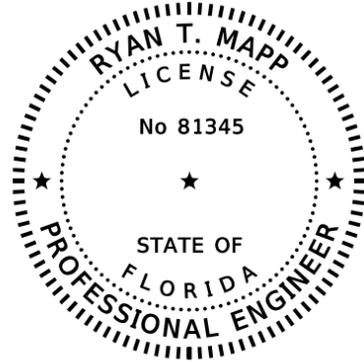
THIS DOCUMENT HAS BEEN DIGITALLY SIGNED AND SEALED

PRINTED COPIES OF THIS DOCUMENT ARE NOT CONSIDERED SIGNED AND SEALED. THE SIGNATURE MUST BE VERIFIED ON THE ELECTRONIC DOCUMENTS.
 JACOBS ENGINEERING GROUP, INC.
 3750 NW 87TH AVENUE, SUITE 750
 MIAMI, FLORIDA 33178
 TEL. (305) 718-0599
 CERTIFICATE OF AUTHORIZATION: 2822
 TEJSINGH A. RANA, P.E. No. 81162

THE ABOVE NAMED PROFESSIONAL ENGINEER SHALL BE RESPONSIBLE FOR THE FOLLOWING SHEETS IN ACCORDANCE WITH RULE 61G15-23.004, F.A.C.

SIGNING & PAVEMENT MARKING PLANS

SHEET NO.	SHEET DESCRIPTION
S-1	KEY SHEET
S-2	SIGNATURE SHEET
S-3	TABULATION OF QUANTITIES
S-4 TO S-7	SIGNING AND PAVEMENT MARKING PLAN
S-8	GUIDE SIGN WORKSHEET
S-9	SIGN CROSS SECTIONS



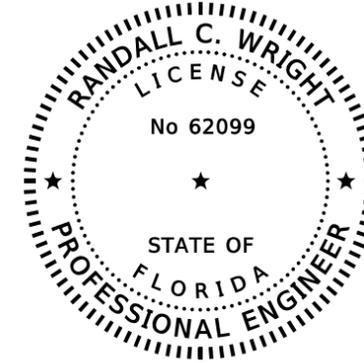
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PRINTED COPIES OF THIS DOCUMENT ARE NOT CONSIDERED SIGNED AND SEALED. THE SIGNATURE MUST BE VERIFIED ON THE ELECTRONIC DOCUMENTS.
 JACOBS ENGINEERING GROUP, INC.
 201 N. FRANKLIN STREET, SUITE 1400
 TAMPA, FLORIDA 33602
 TEL. (813) 676-2298
 CERTIFICATE OF AUTHORIZATION: 2822
 RYAN T. MAPP, P.E. No. 81345

THE ABOVE NAMED PROFESSIONAL ENGINEER SHALL BE RESPONSIBLE FOR THE FOLLOWING SHEETS IN ACCORDANCE WITH RULE 61G15-23.004, F.A.C.

SIGNING & PAVEMENT MARKING PLANS

SHEET NO.	SHEET DESCRIPTION
S-2	SIGNATURE SHEET
S-10	MULTI-COLUMN SIGN DATA



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 C H PEREZ & ASSOCIATES CONSULTING ENGINEERS, INC
 9594 NW 41 STREET, SUITE 201
 MIAMI, FLORIDA 33178
 PHONE (305)592-1070
 CERTIFICATE OF AUTHORIZATION: 25976
 RANDALL C. WRIGHT, P.E. No. 62099

THE ABOVE NAMED PROFESSIONAL ENGINEER SHALL BE RESPONSIBLE FOR THE FOLLOWING SHEETS IN ACCORDANCE WITH RULE 61G15-23.004, F.A.C.

SIGNING & PAVEMENT MARKING PLANS

SHEET NO.	SHEET DESCRIPTION
S-2	SIGNATURE SHEET
S-11	CANTILEVER SIGN STRUCTURES DATA TABLE

REVISIONS				JACOBS ENGINEERING GROUP INC. 3750 NW 87 th AVENUE, STE 750 MIAMI, FL 33178 PHONE No. (305) 718 0599 CERTIFICATE OF AUTHORIZATION No. 2822 ENGINEER OF RECORD: TEJSINGH A. RANA PE No. 81162	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			SHEET NO. S-2
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID	
					SR 80	PALM BEACH	436302-1-52-01	

SIGNATURE SHEET

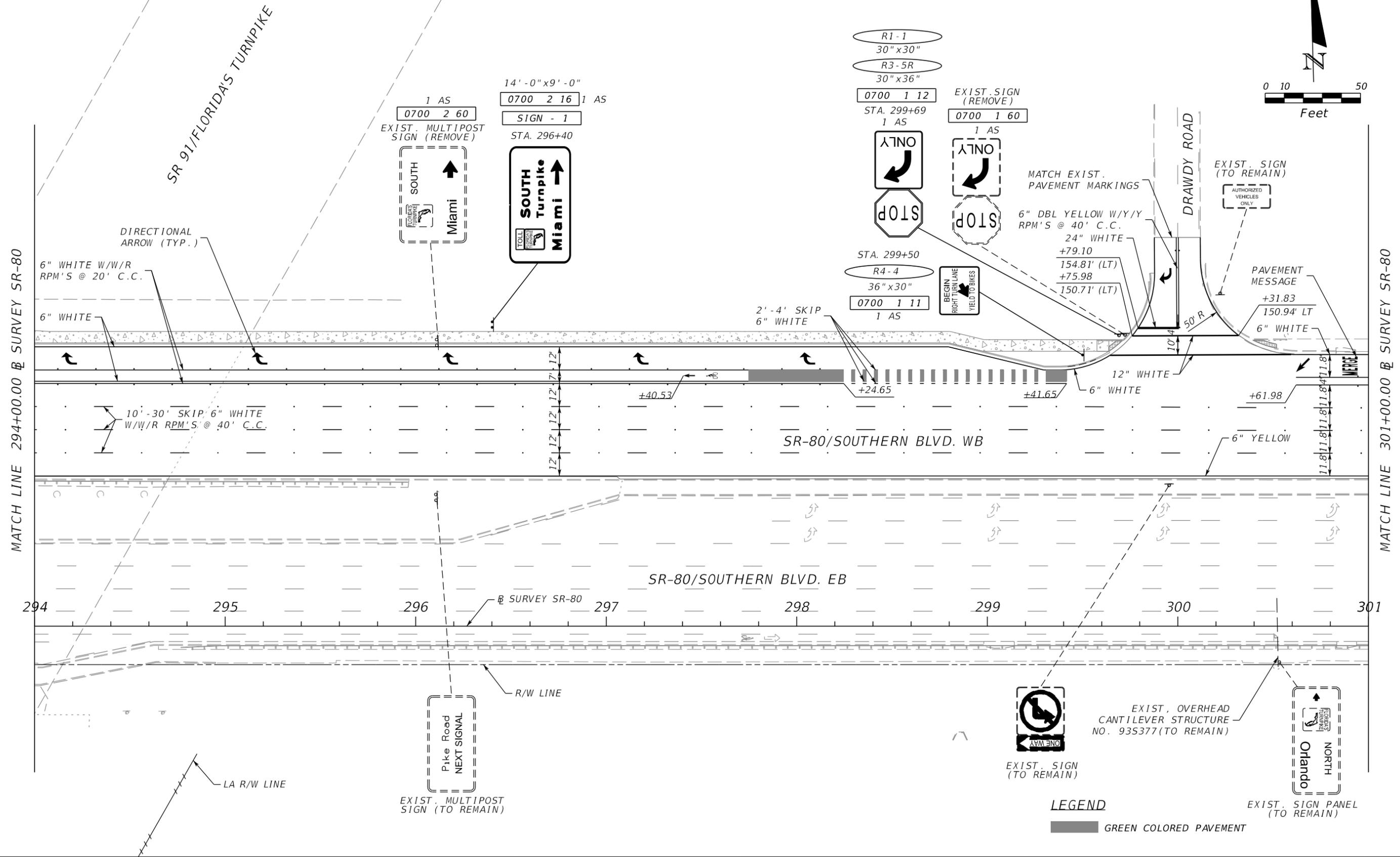
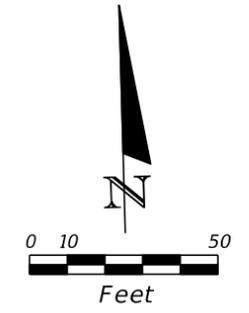
TABULATION OF QUANTITIES

PAY ITEM NO.	DESCRIPTION	UNIT	SHEET NUMBERS												TOTAL THIS SHEET		GRAND TOTAL	
			S-4		S-5		S-6		S-7		PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL
			PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL
0523 1 3	PATTERNED PAVEMENT, VEHICULAR AREAS- GREEN BIKE LANE	SY			62		48		16								125	125
0700 1 11	SINGLE POST SIGN, F&I GROUND MOUNT, UP TO 12 SF	AS	3		1		4		2								10	10
0700 1 12	SINGLE POST SIGN, F&I GROUND MOUNT, 12-20 SF	AS	1		1		2		1								5	5
0700 1 60	SINGLE POST SIGN, REMOVE	AS	2		1		2		2								7	7
0700 2 16	MULTI-POST SIGN, F&I GROUND MOUNT, 101-200 SF	AS			1												1	1
0700 2 60	MULTI-POST SIGN, REMOVE	AS			1												1	1
0700 3 101	SIGN PANEL, FURNISH & INSTALL GROUND MOUNT, UP TO 12 SF	EA	1				1										2	2
0700 3 205	SIGN PANEL, FURNISH & INSTALL OVERHEAD MOUNT, 51-100 SF	EA					1										1	1
0700 3 501	SIGN PANEL, RELOCATE, UP TO 12 SF	EA							2								2	2
0700 3 601	SIGN PANEL, REMOVE, UP TO 12 SF	EA	1				1										2	2
0700 3 625	SIGN PANEL, REMOVE, 51-100 SF WITH LIGHTING	EA					1										1	1
0700 4 112	OVERHEAD STATIC SIGN STRUCTURE, FURNISH & INSTALL, CANTILEVER, 21-30 FT	EA					1										1	1
0700 4 610	OVERHEAD STATIC SIGN STRUCTURE, REMOVE CANTILEVER	EA					1										1	1
0710 90	PAINTED PAVEMENT MARKINGS, FINAL SURFACE	LS															1	1
*	RETRO-REFLECTIVE PAVEMENT MARKERS	EA	60		104		169		19								352	352
*	PAINTED PAVEMENT MARKINGS, STANDARD, WHITE, SOLID, 6"	GM	0.253		0.392		0.529		0.040								1.214	1.214
*	PAINTED PAVEMENT MARKINGS, STANDARD, WHITE, SOLID FOR CROSSWALK AND ROUNDABOUT, 12"	LF	342		151		448		174								1115	1115
*	PAINTED PAVEMENT MARKINGS, STANDARD, WHITE, SOLID FOR DIAGONAL OR CHEVRON, 18"	LF					231										231	231
*	PAINTED PAVEMENT MARKINGS, STANDARD, WHITE, SOLID FOR STOP LINE OR CROSSWALK, 24"	LF	106		21		147		27								301	301
*	PAINTED PAVEMENT MARKINGS, STANDARD, WHITE, SKIP, 10-30 SKIP, 6" WIDE	GM	0.126		0.389		0.263		0.114								0.892	0.892
*	PAINTED PAVEMENT MARKINGS, STANDARD, WHITE, 2-4 DOTTED GUIDELINE, 6"	GM	0.031		0.061		0.083		0.022								0.197	0.197
*	PAINTED PAVEMENT MARKINGS, STANDARD, WHITE, MESSAGE OR SYMBOL	EA	2		1		8										11	11
*	PAINTED PAVEMENT MARKINGS, STANDARD, WHITE, ARROWS	EA	5		7		12		1								25	25
*	PAINTED PAVEMENT MARKINGS, STANDARD, YELLOW, SOLID, 6"	GM	0.084		0.150		0.147		0.057								0.439	0.439
*	PAINTED PAVEMENT MARKINGS, STANDARD, YELLOW, SOLID FOR DIAGONAL OR CHEVRON, 18"	LF					61										61	61
0711 11123	THERMOPLASTIC, STANDARD, WHITE, SOLID, 12" FOR CROSSWALK AND ROUNDABOUT	LF	342		151		448		174								1115	1115
0711 11124	THERMOPLASTIC, STANDARD, WHITE, SOLID, 18" FOR DIAGONALS AND CHEVRONS	LF					231										231	231
0711 11125	THERMOPLASTIC, STANDARD, WHITE, SOLID, 24" FOR STOP LINE AND CROSSWALK	LF	106		21		147		27								301	301
0711 11141	THERMOPLASTIC, STANDARD, WHITE, 2-4 DOTTED GUIDELINE, 6"	GM	0.031		0.061		0.083		0.022								0.197	0.197
0711 11160	THERMOPLASTIC, STANDARD, WHITE, MESSAGE OR SYMBOL	EA	2		1		8										11	11
0711 11170	THERMOPLASTIC, STANDARD, WHITE, ARROW	EA	5		7		12		1								25	25
0711 11224	THERMOPLASTIC, STANDARD, YELLOW, SOLID, 18" FOR DIAGONAL OR CHEVRON	LF					61										61	61
0711 14125	THERMOPLASTIC, PREFORMED, WHITE, SOLID, 24" FOR CROSSWALK	LF	419				488										907	907
0711 14160	THERMOPLASTIC, PREFORMED, WHITE, MESSAGE	EA	2		1		2										5	5
0711 14170	THERMOPLASTIC, PREFORMED, WHITE, ARROW	EA	2		1		2										5	5
0711 16101	THERMOPLASTIC, STANDARD-OTHER SURFACES, WHITE, SOLID, 6"	GM	0.253		0.392		0.529		0.040								1.214	1.214
0711 16131	THERMOPLASTIC, OTHER SURFACES, WHITE, SKIP, 6",10-30 SKIP	GM	0.126		0.389		0.263		0.114								0.892	0.892
0711 16201	THERMOPLASTIC, STANDARD-OTHER SURFACES, YELLOW, SOLID, 6"	GM	0.084		0.150		0.147		0.057								0.439	0.439

* THESE QUANTITIES ARE PAID FOR UNDER PAINTED PAVEMENT MARKINGS (FINAL SURFACE), LUMP SUM - ITEM NO. 710-90. THE QUANTITIES SHOWN ARE FOR ONE APPLICATION; SEE SPECIFICATION 710 FOR THE NUMBER OF APPLICATIONS REQUIRED.
 PAY ITEM NOTE:
 700 3 625 & THESE PAY ITEMS INCLUDES REMOVAL OF OVERHEAD SIGN STRUCTURE, SIGN PANEL, LIGHTING, DISCONNECT, CONDUIT, AND CONDUCTORS FROM SIGN PANEL LIGHTING TO PULLBOX AT BASE OF EXISTING SIGN STRUCTURE. ALL OTHER
 700 4 610 EXISTING CIRCUITS AND CONDUITS SHALL REMAIN IN PLACE.

REVISIONS DATE DESCRIPTION DATE DESCRIPTION				JACOBS ENGINEERING GROUP INC. 3750 NW 87 th AVENUE, STE 750 MIAMI, FL 33178 PHONE No. (305) 718 0599 CERTIFICATE OF AUTHORIZATION No. 2822			STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION ROAD NO. COUNTY FINANCIAL PROJECT ID SR 80 PALM BEACH 436302-1-52-01			SHEET NO. S-3	
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THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.



1 AS
0700 2 60
EXIST. MULTIPOST SIGN (REMOVE)

14'-0" x 9'-0"
0700 2 16 1 AS
SIGN - 1
STA. 296+40

R1-1
30" x 30"

R3-5R
30" x 36"

0700 1 12
STA. 299+69
1 AS

EXIST. SIGN (REMOVE)
0700 1 60
1 AS

STA. 299+50
R4-4
36" x 30"
0700 1 11
1 AS

MATCH EXIST. PAVEMENT MARKINGS

6" DBL YELLOW W/Y/Y RPM'S @ 40' C.C.

24" WHITE
+79.10
154.81' (LT)
+75.98
150.71' (LT)

EXIST. SIGN (TO REMAIN)
AUTHORIZED VEHICLES ONLY

PAVEMENT MESSAGE
+31.83
150.94' LT
6" WHITE

SR-80/SOUTHERN BLVD. WB

SR-80/SOUTHERN BLVD. EB

Pike Road NEXT SIGNAL
EXIST. MULTIPOST SIGN (TO REMAIN)

EXIST. SIGN (TO REMAIN)

EXIST. OVERHEAD CANTILEVER STRUCTURE NO. 935377 (TO REMAIN)

EXIST. SIGN PANEL (TO REMAIN)
Orlando NORTH

LEGEND
GREEN COLORED PAVEMENT

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

JACOBS ENGINEERING GROUP INC.
3750 NW 87th AVENUE, STE 750
MIAMI, FL 33178
PHONE No. (305) 718 0599
CERTIFICATE OF AUTHORIZATION No. 2822

ENGINEER OF RECORD:
TEJ SINGH A. RANA PE No. 81162

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 80	PALM BEACH	436302-1-52-01

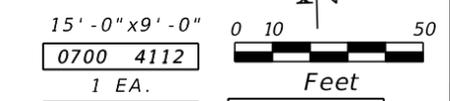
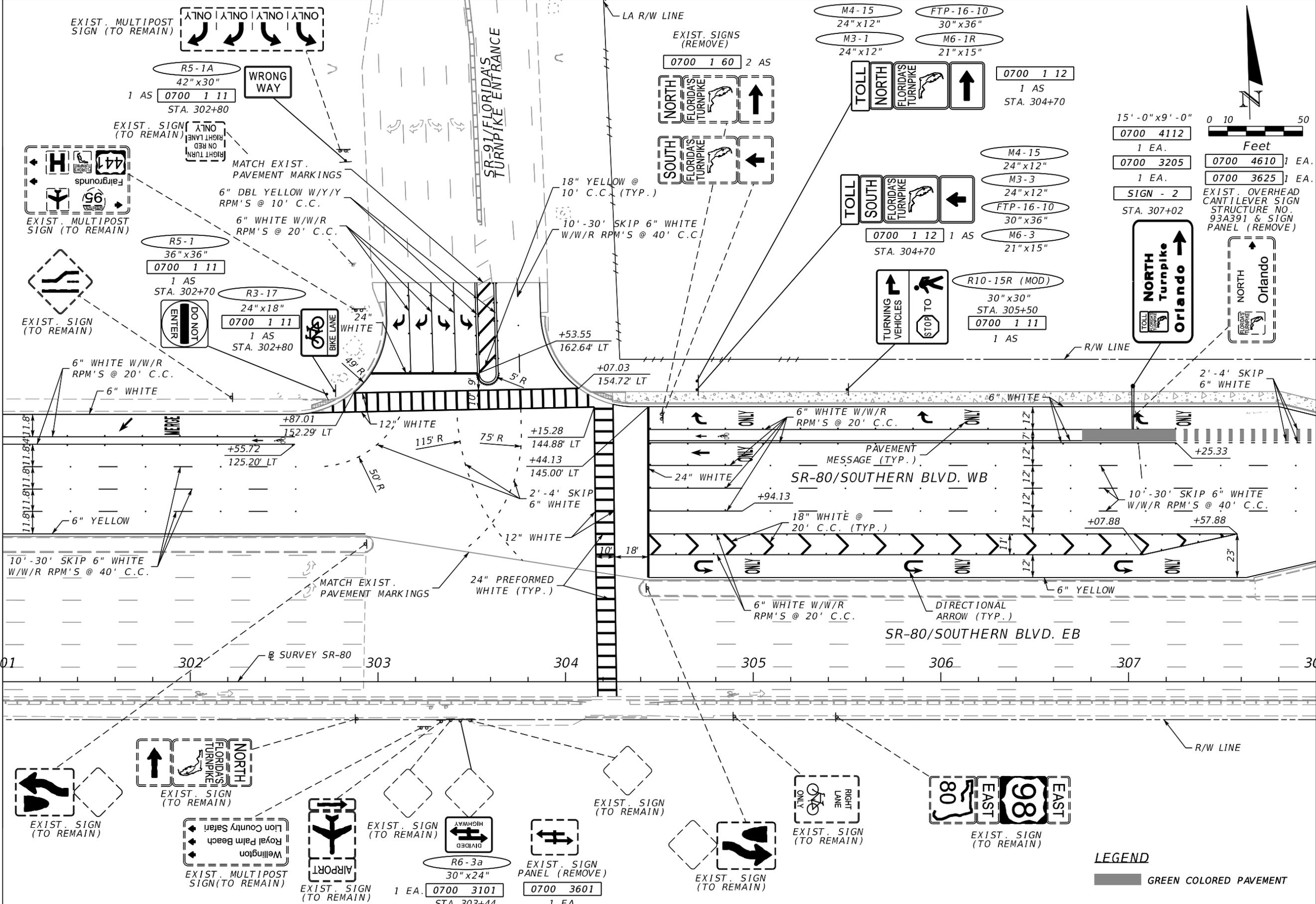
SIGNING AND PAVEMENT MARKING PLAN

SHEET NO.
S-5

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

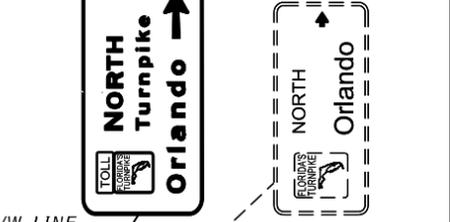
MATCH LINE 301+00.00 @ SURVEY SR-80

MATCH LINE 308+00.00 @ SURVEY SR-80



15'-0" x 9'-0"
0700 4112
1 EA.
0700 3205
1 EA.
SIGN - 2
STA. 307+02

EXIST. OVERHEAD CANTILEVER SIGN STRUCTURE NO. 93A391 & SIGN PANEL (REMOVE)



LEGEND
GREEN COLORED PAVEMENT

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

JACOBS ENGINEERING GROUP INC.
3750 NW 87th AVENUE, STE 750
MIAMI, FL 33178
PHONE No. (305) 718 0599
CERTIFICATE OF AUTHORIZATION No. 2822

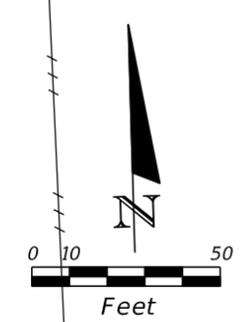
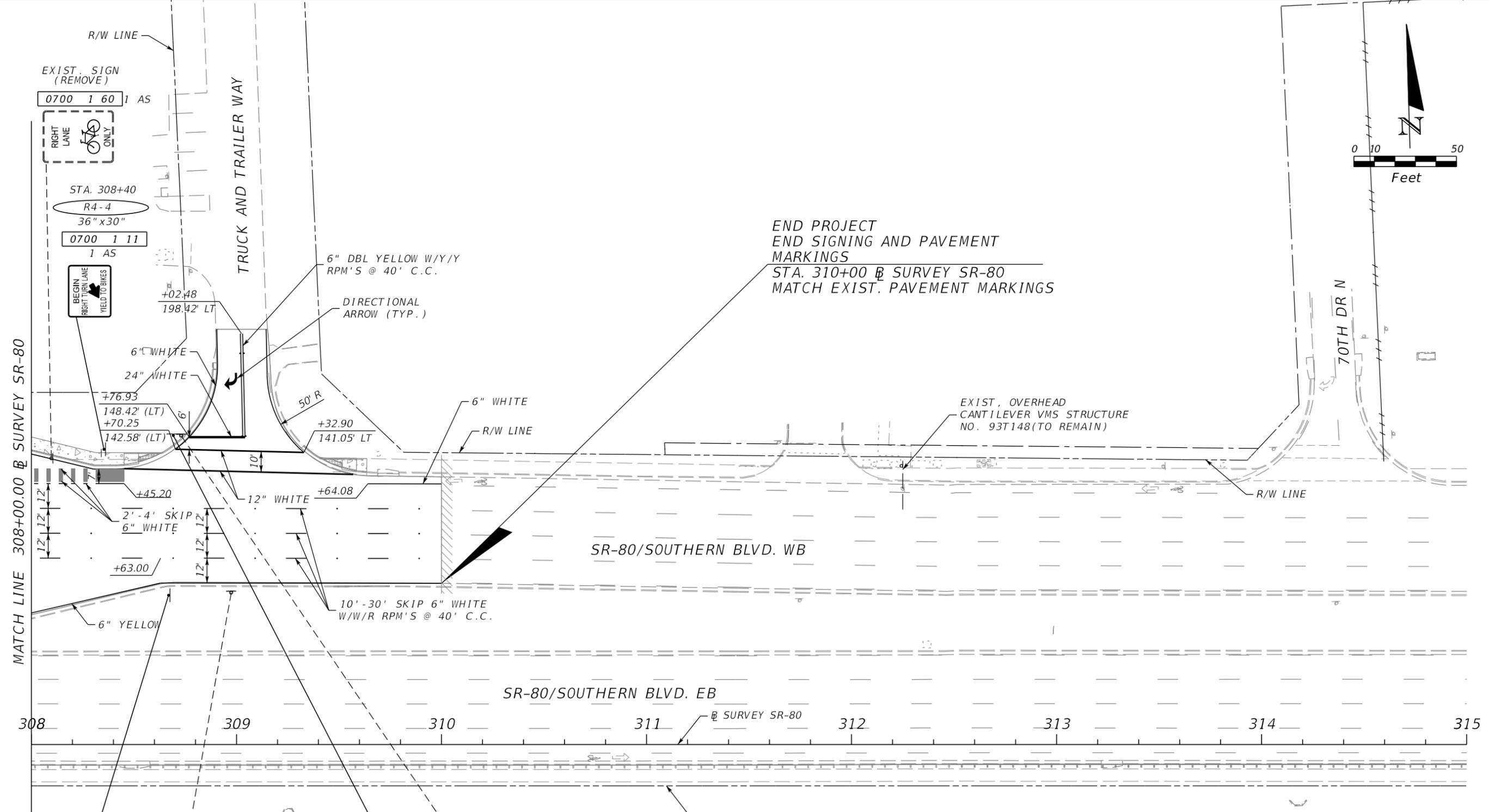
ENGINEER OF RECORD:
TEJ SINGH A. RANA PE No. 81162

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 80	PALM BEACH	436302-1-52-01

**SIGNING AND PAVEMENT
MARKING PLAN**

SHEET NO.
S-6

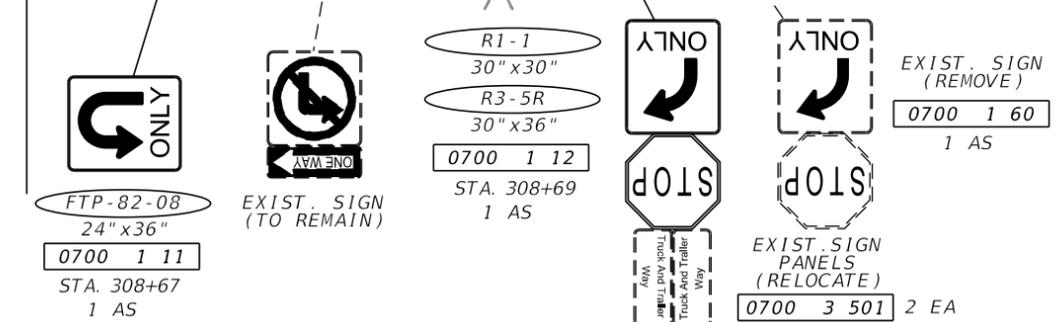
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MATCH LINE 308+00.00 @ SURVEY SR-80

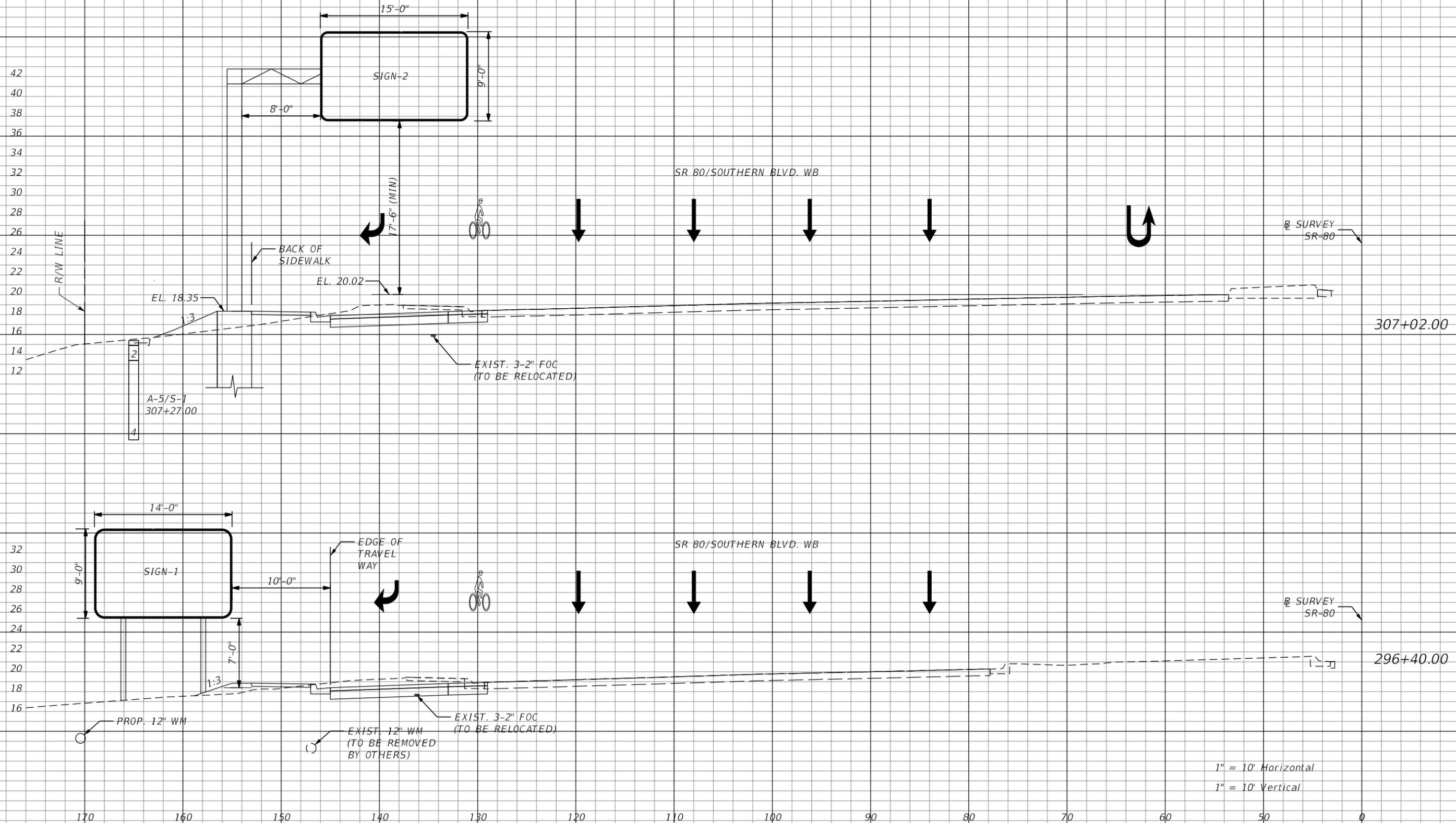
END PROJECT
END SIGNING AND PAVEMENT
MARKINGS
STA. 310+00 @ SURVEY SR-80
MATCH EXIST. PAVEMENT MARKINGS

LEGEND
 GREEN COLORED PAVEMENT



REVISIONS				JACOBS ENGINEERING GROUP INC. 3750 NW 87 th AVENUE, STE 750 MIAMI, FL 33178 PHONE No. (305) 718 0599 CERTIFICATE OF AUTHORIZATION No. 2822	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			SHEET NO. S-7
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID	
				ENGINEER OF RECORD: TEJSINGH A. RANA PE No. 81162	SR 80	PALM BEACH	436302-1-52-01	

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REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

JACOBS ENGINEERING GROUP INC.
 3750 NW 87th AVENUE, STE 750
 MIAMI, FL 33178
 PHONE No. (305) 718 0599
 CERTIFICATE OF AUTHORIZATION No. 2822
 ENGINEER OF RECORD:
 TEJ SINGH A. RANA PE No. 81162

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 80	PALM BEACH	436302-1-52-01

SIGN CROSS SECTIONS

SHEET NO.
S-9

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CANTILEVER SIGN STRUCTURES DATA TABLE										Table Date 07-01-14
SIGN NO.	STATION	DIMENSIONS			PANELS	MEMBER SIZES			BACKRAKE	
		A	B	C	N	D (CHORD)	E (WEB)	F (UPRIGHT)	G	
		ft	ft	in	in	O. D. x Wall Thk. (in)	Angle (in)	O. D. x Wall Thk. (in)	in	
Sign-2	307+02.00	23.6700	8	0	66	3	4.00 x 0.226	3 x 3 x 5/16	24.00 x 0.562	1.4642

NOTES [Notes Date 7-01-13]:
 1. Work these Data Tables with Index 11310.
 2. Design Wind Speed = 170 mph.
 3. Upright wall thickness given is a minimum dimension.

FOUNDATION NOTES [Notes Date 7-01-12]:
 1. Design based on Borings taken sealed by Paul D. Passe, P.E.
 2. Assumptions and Values used in design:
 Soil Type Sand
 Soil Layer Thickness = 40 ft.
 Soil Friction Angle = 32 deg.
 Soil Weight = 45 pcf
 Design Water Table is 9 ft. below surface

CANTILEVER SIGN STRUCTURES DATA TABLE (CONT.)																								Table Date 01-01-11						
SIGN NO.	GUSSET PLATES												TRUSS CONNECTION								SPLICE									
	GA	GB	GC		GD		GE		GF		GG		GH		GJ		GK	TA	TB	TC	TD	TE	TF	TG	TH	TJ	SA	SB	SC	SD
	in	in	ft	in	ft	in	ft	in	ft	in	ft	in	ft	in	ft	in	in	in	#	#	in	in	in	in	in	in	Angle (in)	#	in	#
Sign-2	3/8	5/8	1	1-1/4		6		11		5	1	10		5-3/4	1	3/4	1/8	7/8	6	6	1/2	1/2	3/16	3/16	1/8	1/8	NO SPLICE	-	-	-

CANTILEVER SIGN STRUCTURES DATA TABLE (CONT.)																				Table Date 07-01-15	
SIGN NO.	BASE CONNECTION									ANCHOR		FOOTING - DRILLED SHAFT									
	BA	BB	BC	BD	BE		BF	BG	BH	BJ	BK		FA		FB		FC	FD	FE	FF	FG
	in	#	in	in	ft	in	in	in	in	in	ft	in	ft	in	ft	in	# / Size	#	in	#	in
Sign-2	1-3/4	8	2-1/4	5/8	1	11-1/2	5/16	5/16	5/16	1/4	2	11	18	0	4	6	15 / 11	10	6	6	9

<table border="1"> <thead> <tr> <th colspan="4">REVISIONS</th> </tr> <tr> <th>DATE</th> <th>DESCRIPTION</th> <th>DATE</th> <th>DESCRIPTION</th> </tr> </thead> <tbody> <tr> <td> </td> <td> </td> <td> </td> <td> </td> </tr> </tbody> </table>				REVISIONS				DATE	DESCRIPTION	DATE	DESCRIPTION					RANDALL C. WRIGHT, P.E. P.E. LICENSE NUMBER 62099 CH PEREZ AND ASSOCIATES 9594 NW 41 STREET, SUITE 201 DORAL, FLORIDA 33178 CERTIFICATE OF AUTHORIZATION 25976				STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			CANTILEVER SIGN STRUCTURES DATA TABLE		SHEET NO. S-11
REVISIONS																									
DATE	DESCRIPTION	DATE	DESCRIPTION																						
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SR 80		PALM BEACH	436302-1-52-01																						

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