

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

CONTRACT PLANS

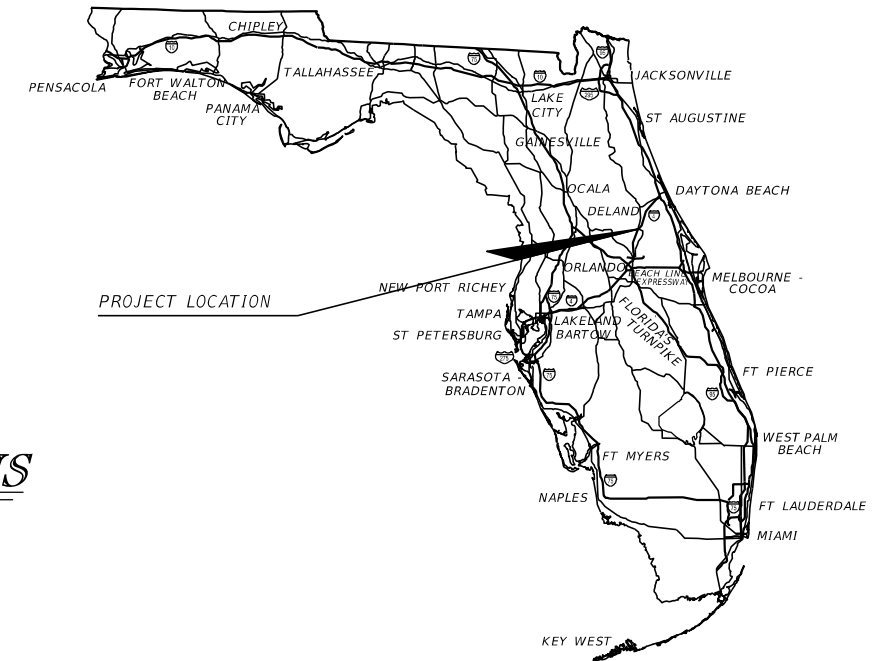
FINANCIAL PROJECT ID 240200-2-52-01

(FEDERAL FUNDS)

SEMINOLE COUNTY (77320)

STATE ROAD NO. 429 (WEKIVA PARKWAY SECTION 7A)

SIGNING AND PAVEMENT MARKING PLANS



INDEX OF SIGNING AND
PAVEMENT MARKING PLANS

SHEET NO.	SHEET DESCRIPTION
S-1	KEY SHEET
S-2	SIGNATURE SHEET
S-3 THRU S-8A	TABULATION OF QUANTITIES
S-9	GENERAL NOTES
S-10	PROJECT LAYOUT
S-11 THRU S-50	SIGNING AND MARKING PLAN
S-51 THRU S-63	GUIDE SIGN WORK SHEET
S-64 THRU S-73	OVERHEAD SIGN CROSS SECTION
S-74 THRU S-75	CANTILEVER SIGN STRUCTURES DATA TABLE
S-76	SPAN SIGN STRUCTURES DATA TABLE
S-77 THRU S-78	OHT-2 CATWALK DETAILS
S-79 THRU S-80	SIGN COLUMN AND FOUNDATION
S-81 THRU S-83	REINFORCING BAR LIST
S-84 THRU S-91	REPORT OF SPT BORINGS

**SIGNING AND
PAVEMENT MARKING PLANS
ENGINEER OF RECORD:**

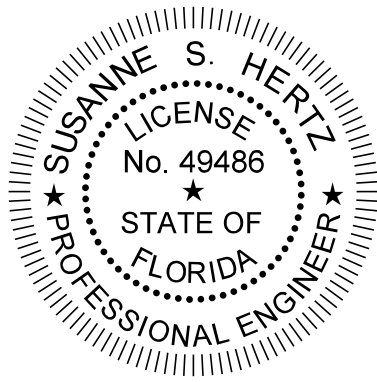
SUSANNE S. HERTZ, P.E. P.E. NO. 49486
TRAFFIC ENGINEERING DATA SOLUTIONS, INC.
80 SPRING VISTA DRIVE
DEBARY, FL 32713
CONTRACT NO.: C9N56
VENDOR NO.: F208375642002
CERTIFICATE OF AUTHORIZATION NO.: 27392

FDOT PROJECT MANAGER:

KEVIN MOSS, P.E.

CONSTRUCTION CONTRACT NO.	FISCAL YEAR	SHEET NO.
T5626	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.



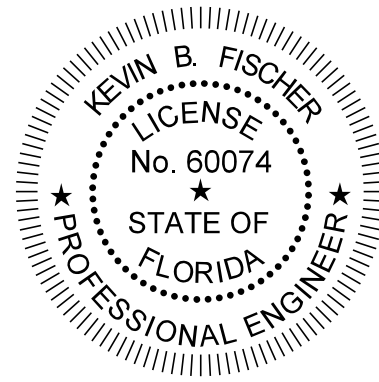
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TRAFFIC ENGINEERING DATA SOLUTIONS, INC.
80 SPRING VISTA DR
DEBARY, FL 32713
CERTIFICATION OF AUTHORIZATION # 27392

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

<u>SHEET NO.</u>	<u>SHEET DESCRIPTIONS</u>
S-1	KEY SHEET
S-2	SIGNATURE SHEET
S-3 THRU S-8A	TABULATION OF QUANTITIES
S-9	GENERAL NOTES
S-10	PROJECT LAYOUT
S-11 THRU S-50	SIGNING AND MARKING PLAN
S-51 THRU S-63	GUIDE SIGN WORK SHEET
S-64 THRU S-73	OVERHEAD SIGN CROSS SECTION



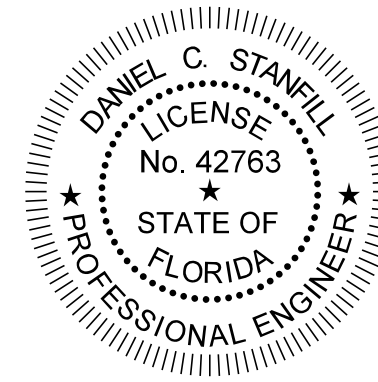
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IDA CONSULTING ENGINEERS, INC.
800 N. MAGNOLIA AVE, SUITE 1402
ORLANDO, FL 32803
CERTIFICATION OF AUTHORIZATION # 8171

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

<u>SHEET NO.</u>	<u>SHEET DESCRIPTIONS</u>
S-2	SIGNATURE SHEET
S-74 THRU S-75	CANTILEVER SIGN STRUCTURES DATA TABLE
S-76	SPAN SIGN STRUCTURES DATA TABLE
S-77 THRU S-78	OHT-2 CATWALK DETAILS
S-79 THRU S-80	SIGN COLUMN & FOUNDATION
S-81 THRU S-83	REINFORCING BAR LIST



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GEOTECHNICAL & ENVIRONMENTAL CONSULTANTS, INC.
919 LAKE BALDWIN LANE
ORLANDO, FLORIDA 32814
CERTIFICATION OF AUTHORIZATION # 5882

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

<u>SHEET NO.</u>	<u>SHEET DESCRIPTIONS</u>
S-2	SIGNATURE SHEET
S-84 THRU S-91	REPORT OF SPT BORINGS

REVISIONS				SUSANNE S. HERTZ, P.E. PE No. 49486 Traffic Engineering Data Solutions, Inc. 80 Spring Vista Drive Phone: 386.753.0558 DeBary, FL 32713 Fax: 386.753.0778 CERTIFICATION OF AUTHORIZATION # 27392	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			SIGNATURE SHEET	SHEET NO. S-2
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					429	SEMINOLE	240200-2-52-01		

TABULATION OF QUANTITIES

PAY ITEM NO.	DESCRIPTION	UNIT	SHEET NUMBERS														TOTAL THIS SHEET	
			S-11		S-12		S-13		S-14		S-15		S-16		S-17		PLAN	FINAL
			PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL		
700-1-11	SINGLE POST SIGN, F&I, GROUND MOUNT, <12 SF	AS					3					7		2		1		13
700-1-12	SINGLE POST SIGN, F&I, GROUND MOUNT, 12 - 20 SF	AS					1					2		1		2		6
700-1-13	SINGLE POST SIGN, F&I, GROUND MOUNT, 21 - 30 SF	AS					1					1				1		3
700-1-21	SINGLE POST SIGN, F&I, BARRIER MOUNT INDEX 11871, < 12 SF	AS	1						2									3
700-1-22	SINGLE POST SIGN, F&I, BARRIER MOUNT INDEX 11871, 12 - 20 SF	AS																
700-1-23	SINGLE POST SIGN, F&I, BARRIER MOUNT INDEX 11871, 21 - 30 SF	AS																
700-1-31	SINGLE POST SIGN, F&I, BRIDGE MOUNT INDEX 11870, UP TO 12 SF	AS																
700-1-50	SINGLE POST SIGN, RELOCATE	AS																
700-1-60	SINGLE POST SIGN, REMOVE	AS																
700-2-13	MULTI- POST SIGN, F&I GROUND MOUNT, 21 - 30 SF	AS					5					5		3				13
700-2-14	MULTI-POST SIGN, F&I, GROUND MOUNT, 31 - 50 SF	AS														1		1
700-2-15	MULTI-POST SIGN, F&I, GROUND MOUNT, 51 - 100 SF	AS																
700-2-16	MULTI-POST SIGN, F&I, GROUND MOUNT, 101 - 200 SF	AS																
700-2-60	MULTI- POST SIGN, REMOVE	AS																
700-3-202	SIGN PANEL, F&I, OVERHEAD MOUNT, 12 - 20 SF	EA																
700-3-203	SIGN PANEL, F&I, OVERHEAD MOUNT, 21 - 30 SF	EA	1													1		2
700-3-205	SIGN PANEL, F&I, OVERHEAD MOUNT, 51 - 100 SF	EA																
700-3-206	SIGN PANEL, F&I, OVERHEAD MOUNT, 101 - 200 SF	EA														1		1
700-3-207	SIGN PANEL, F&I, OVERHEAD MOUNT, 201 - 300 SF	EA	1															1
700-4-112	OVERHEAD STATIC SIGN STRUCTURE, F&I, CANTILEVER, 21-30 FT	EA																
	OHC-3																	
700-4-113	OVERHEAD STATIC SIGN STRUCTURE, F&I, CANTILEVER, 31-40 FT	EA																
	OHC-4																	
	OHC-5																	
	OHC-6																	
700-4-114	OVERHEAD STATIC SIGN STRUCTURE, F&I, CANTILEVER, 41-50 FT	EA	1															1
	OHC-2																	
	OHC-7																	
700-4-126	OVERHEAD STATIC SIGN STRUCTURE, F&I, SPAN, 101-150 FT	EA																
	OHT-1																	
	OHT-2																	
	OHT-3																	
	OHT-4																	
705-11-1	DELINEATOR, FLEXIBLE TUBULAR	EA																
705-11-2	DELINEATOR, NON-FLEXIBLE	EA	16															16
710-90	PAINTED PAVEMENT MARKINGS - FINAL SURFACE	LS																
*	RETRO-REFLECTIVE PAVEMENT MARKER	EA																
*	W-R	EA	68		36		40		37		36		150		120			487
*	Y-R	EA	10				22				46				49			127
*	Y-Y	EA																
*	PAINTED PAVEMENT MARKINGS, STD, WHITE, SOLID, 6"	GM	0.571		0.276		0.813		0.277		0.778		0.830		0.868			4.413
*	PAINTED PAVEMENT MARKINGS, STD, WHITE, SOLID, 8"	GM																
*	PAINTED PAVEMENT MARKINGS, STD, WHITE, SOLID, 12"	LF	473								198		2345		1937			4952
*	PAINTED PAVEMENT MARKINGS, STD, WHITE, SOLID, 18"	LF	2												25			27
*	PAINTED PAVEMENT MARKINGS, STD, WHITE, SOLID, 24"	LF									24							24
*	PAINTED PAVEMENT MARKINGS, STD, WHITE, SKIP, 3-9 SKIP, 6"	GM																
*	PAINTED PAVEMENT MARKINGS, STD, WHITE, SKIP, 10-30 SKIP, 6"	GM	0.249		0.122		0.296		0.277		0.279		0.280		0.277			1.779
*	PAINTED PAVEMENT MARKINGS, STD, WHITE, DOTTED/GUIDELINE/6-10 DOT EXT. 6"	GM																
*	PAINTED PAVEMENT MARKINGS, STD, WHITE, DOTTED/GUIDELINE/2-4 DOT EXT. 6"	GM					0.028				0.032				0.055			0.115
*	PAINTED PAVEMENT MARKINGS, STD, WHITE, MESSAGE OR SYMBOL	EA																
*	MERGE	EA					3											3
*	ONLY	EA									1							1
*	PAINTED PAVEMENT MARKINGS, STD, WHITE, ARROWS	EA																
*	DIRECTIONAL ARROW	EA									1							1
*	MERGE ARROW	EA					3											3
*	PAINTED PAVEMENT MARKINGS, STD, WHITE, YIELD LINE	LF																
*	PAINTED PAVEMENT MARKINGS, STD, YELLOW, SOLID, 6"	GM	0.448		0.276		0.295		0.277		0.327		0.553		0.403			2.578
*	PAINTED PAVEMENT MARKINGS, STD, YELLOW, SOLID, 8"	GM					0.164				0.257				0.260			0.681
*	PAINTED PAVEMENT MARKINGS, STD, YELLOW, SOLID, 18"	LF					201				314				403			918
*	PAINTED PAVEMENT MARKINGS, STD, BLACK, SKIP, 10-10-20 SKIP, 6"	GM					0.154											0.154
*	PAINTED PAVEMENT MARKINGS, STD, WHITE, SKIP, 10-10-20 SKIP, 6"	GM					0.154											0.154

* 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 710-90 FOR THE NUMBER OF APPLICATIONS REQUIRED.

<p>REVISIONS</p> <table border="1"> <thead> <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>				DATE	DESCRIPTION	DATE	DESCRIPTION					<p>SUSANNE S. HERTZ, P.E. PE No. 49486 Traffic Engineering Data Solutions, Inc. 80 Spring Vista Drive Phone: 386.753.0558 DeBary, FL 32713 Fax: 386.753.0778 CERTIFICATION OF AUTHORIZATION # 27392</p>			<p>STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION</p> <table border="1"> <thead> <tr> <th>ROAD NO.</th> <th>COUNTY</th> <th>FINANCIAL PROJECT ID</th> </tr> </thead> <tbody> <tr> <td>429</td> <td>SEMINOLE</td> <td>240200-2-52-01</td> </tr> </tbody> </table>			ROAD NO.	COUNTY	FINANCIAL PROJECT ID	429	SEMINOLE	240200-2-52-01	<p>TABULATION OF QUANTITIES</p>		<p>SHEET NO. S-3</p>
DATE	DESCRIPTION	DATE	DESCRIPTION																							
ROAD NO.	COUNTY	FINANCIAL PROJECT ID																								
429	SEMINOLE	240200-2-52-01																								

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TABULATION OF QUANTITIES

PAY ITEM NO.	DESCRIPTION	UNIT	SHEET NUMBERS														TOTAL THIS SHEET	
			S-11		S-12		S-13		S-14		S-15		S-16		S-17		PLAN	FINAL
			PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL		
711-11-123	THERMOPLASTIC, STANDARD, WHITE, SOLID, 12"	LF	473								198		2345		1937		4953	
711-11-124	THERMOPLASTIC, STANDARD, WHITE, SOLID, 18"	LF	2												25		27	
711-11-125	THERMOPLASTIC STANDARD, WHITE, SOLID, 24"	LF									24						24	
711-11-141	THERMOPLASTIC, STANDARD, WHITE, 6-10 GAP EXTENSION, 6"	GM																
711-11-160	THERMOPLASTIC, STANDARD, WHITE, 2-4 DOTTED GUIDELINE, 6"	GM				0.028					0.034				0.074		0.136	
	THERMOPLASTIC, STANDARD, WHITE, MESSAGE OR SYMBOL																	
	"MERGE" MESSAGE	EA				3											3	
	"ONLY" MESSAGE										1						1	
711-11-170	THERMOPLASTIC, STANDARD, WHITE, ARROW																	
	DIRECTIONAL ARROW	EA									1						1	
	MERGE ARROW					3											3	
711-11-180	THERMOPLASTIC, STANDARD, WHITE, YIELD LINE	LF																
711-11-224	THERMOPLASTIC, STANDARD, YELLOW, SOLID, 18"	LF				201					314				403		918	
711-14-125	THERMOPLASTIC, PREFORMED, WHITE, SOLID, 24"	LF																
711-14-160	THERMOPLASTIC, PREFORMED, WHITE, MESSAGE (BIKE SYMBOL)	EA	1			2					2		1		1		7	
711-14-170	THERMOPLASTIC, PREFORMED, WHITE, ARROW (BIKE ARROW)	EA	1			2					2		1		1		7	
711-15-101	THERMOPLASTIC, STANDARD-OPEN GRADED ASPHALT SURFACES WHITE, SOLID, 6"	GM	0.325		0.122		0.277		0.119		0.277		0.277		0.386		1.783	
711-15-102	THERMOPLASTIC, STANDARD-OPEN GRADED ASPHALT SURFACES, WHITE, SOLID, 8"	GM																
711-15-131	THERMOPLASTIC, STANDARD-OPEN GRADED ASPHALT SURFACES, WHITE, SKIP, 6", 10-30 SKIP	GM	0.249		0.122		0.277		0.119		0.279		0.280		0.277		1.603	
	THERMOPLASTIC, STANDARD-OPEN GRADED ASPHALT SURFACES, WHITE, SKIP, 6", 3-9 LANE DROP	GM																
711-15-201	THERMOPLASTIC, STANDARD-OPEN GRADED ASPHALT SURFACES, YELLOW, SOLID, 6"	GM	0.325		0.122		0.277		0.119		0.277		0.277		0.386		1.783	
711-15-202	THERMOPLASTIC, STANDARD-OPEN GRADED ASPHALT SURFACES YELLOW, SOLID, 8"	GM																
711-16-101	THERMOPLASTIC, STANDARD-OTHER SURFACES, WHITE, SOLID, 6"	GM	0.246				0.537				0.502		0.553		0.482		2.320	
711-16-102	THERMOPLASTIC, STANDARD-OTHER SURFACES, WHITE, SOLID, 8"	GM																
711-16-131	THERMOPLASTIC, STANDARD-OTHER SURFACES, WHITE, SKIP, 6", 10-30 SKIP	GM					0.023										0.023	
711-16-201	THERMOPLASTIC, STANDARD-OTHER SURFACES, YELLOW, SOLID, 6"	GM	0.123				0.019				0.050		0.277		0.005		0.474	
711-16-202	THERMOPLASTIC, STANDARD-OTHER SURFACES, YELLOW, SOLID, 8"	GM					0.164				0.257				0.260		0.681	
713-103-101	PERMANENT TAPE, WHITE, SOLID, 6" FOR CONCRETE BRIDGES	GM			0.154				0.158								0.312	
713-103-103	PERMANENT TAPE, WHITE, SOLID DROP LANE MARKING, 12" FOR CONCRETE BRIDGES	GM																
713-103-131	PERMANENT TAPE, WHITE, SKIP/DOTTED, 6" FOR CONCRETE SURFACES	GM			0.154				0.158								0.312	
713-103-133	PERMANENT TAPE, WHITE, SKIP, 12" WIDE 3' - 9' DROP LANE ON CONCRETE SURFACES	GM																
713-103-201	PERMANENT TAPE, YELLOW, SOLID, 6" FOR CONCRETE BRIDGES	GM			0.154				0.158								0.312	
713-103-331	PERMANENT TAPE, BLACK, SKIP/DOTTED, 6" FOR CONCRETE SURFACES	GM			0.154				0.158								0.312	

* 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 710-90 FOR THE NUMBER OF APPLICATIONS REQUIRED.

REVISIONS DATE DESCRIPTION DATE DESCRIPTION				SUSANNE S. HERTZ, P.E. PE No. 49486 Traffic Engineering Data Solutions, Inc. 80 Spring Vista Drive Phone: 386.753.0558 DeBary, FL 32713 Fax: 386.753.0778 CERTIFICATION OF AUTHORIZATION # 27392			STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION ROAD NO. COUNTY FINANCIAL PROJECT ID 429 SEMINOLE 240200-2-52-01			SHEET NO. S-3A	
TABULATION OF QUANTITIES											

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TABULATION OF QUANTITIES

PAY ITEM NO.	DESCRIPTION	UNIT	SHEET NUMBERS														TOTAL THIS SHEET	
			S-18		S-19		S-20		S-21		S-22		S-23		S-24		PLAN	FINAL
			PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL		
700-1-11	SINGLE POST SIGN, F&I, GROUND MOUNT, <12 SF	AS	1		2				4		1		4		5		17	
700-1-12	SINGLE POST SIGN, F&I, GROUND MOUNT, 12 - 20 SF	AS	1					2		1		1		1		6		
700-1-13	SINGLE POST SIGN, F&I, GROUND MOUNT, 21 - 30 SF	AS																
700-1-21	SINGLE POST SIGN, F&I, BARRIER MOUNT INDEX 11871, < 12 SF	AS						2						2		4		
700-1-22	SINGLE POST SIGN, F&I, BARRIER MOUNT INDEX 11871, 12 - 20 SF	AS					1	1				1				3		
700-1-23	SINGLE POST SIGN, F&I, BARRIER MOUNT INDEX 11871, 21 - 30 SF	AS																
700-1-31	SINGLE POST SIGN, F&I, BRIDGE MOUNT INDEX 11870, UP TO 12 SF	AS																
700-1-50	SINGLE POST SIGN, RELOCATE	AS																
700-1-60	SINGLE POST SIGN, REMOVE	AS	1		1			2		5		4		3		16		
700-2-13	MULTI- POST SIGN, F&I GROUND MOUNT, 21-30 SF	AS			1			1								2		
700-2-14	MULTI-POST SIGN, F&I, GROUND MOUNT, 31 - 50 SF	AS																
700-2-15	MULTI-POST SIGN, F&I, GROUND MOUNT, 51 - 100 SF	AS																
700-2-16	MULTI-POST SIGN, F&I, GROUND MOUNT, 101-200 SF	AS																
700-2-60	MULTI- POST SIGN, REMOVE	AS			1		4	1								6		
700-3-202	SIGN PANEL, F&I, OVERHEAD MOUNT, 12 - 20 SF	EA																
700-3-203	SIGN PANEL, F&I, OVERHEAD MOUNT, 21 - 30 SF	EA	1					1		2						4		
700-3-205	SIGN PANEL, F&I, OVERHEAD MOUNT, 51 - 100 SF	EA																
700-3-206	SIGN PANEL, F&I, OVERHEAD MOUNT, 101 - 200 SF	EA						1								1		
700-3-207	SIGN PANEL, F&I, OVERHEAD MOUNT, 201 - 300 SF	EA	1							2						3		
700-4-112	OVERHEAD STATIC SIGN STRUCTURE, F&I, CANTILEVER, 21-30 FT OHC-3	EA																
700-4-113	OVERHEAD STATIC SIGN STRUCTURE, F&I, CANTILEVER, 31-40 FT OHC-4	EA	1													1		
	OHC-5								1							1		
	OHC-6																	
700-4-114	OVERHEAD STATIC SIGN STRUCTURE, F&I, CANTILEVER, 41-50 FT OHC-2	EA																
	OHC-7																	
700-4-126	OVERHEAD STATIC SIGN STRUCTURE, F&I, SPAN, 101-150 FT OHT-1	EA								1						1		
	OHT-2													1		1		
	OHT-3																	
	OHT-4																	
705-11-1	DELINEATOR, FLEXIBLE TUBULAR	EA																
705-11-2	DELINEATOR, NON-FLEXIBLE	EA																
710-90	PAINTED PAVEMENT MARKINGS - FINAL SURFACE	LS																
*	RETRO-REFLECTIVE PAVEMENT MARKER	EA																
*	W-R	EA	109		45		37	37		37		36		44		345		
*	Y-R	EA	44		37			36		37		36		36		226		
*	Y-Y	EA						6				6				12		
*	PAINTED PAVEMENT MARKINGS, STD, WHITE, SOLID, 6"	GM	0.800		0.830		0.276	0.881		0.836		0.735		0.818		5.176		
*	PAINTED PAVEMENT MARKINGS, STD, WHITE, SOLID, 8"	GM																
*	PAINTED PAVEMENT MARKINGS, STD, WHITE, SOLID, 12"	LF	844					125		76		306		163		1514		
*	PAINTED PAVEMENT MARKINGS, STD, WHITE, SOLID, 18"	LF																
*	PAINTED PAVEMENT MARKINGS, STD, WHITE, SOLID, 24"	LF	26					16				62		28		132		
*	PAINTED PAVEMENT MARKINGS, STD, WHITE, SKIP, 3-9 SKIP, 6"	GM	0.152		0.005											0.157		
*	PAINTED PAVEMENT MARKINGS, STD, WHITE, SKIP, 10-30 SKIP, 6"	GM	0.278		0.277		0.118	0.281		0.274		0.278		0.281		1.787		
*	PAINTED PAVEMENT MARKINGS, STD, WHITE, DOTTED/GUIDELINE/6-10 DOT EXT. 6"	GM																
*	PAINTED PAVEMENT MARKINGS, STD, WHITE, DOTTED/GUIDELINE/2-4 DOT EXT. 6"	GM						0.070		0.055		0.055		0.028		0.208		
*	PAINTED PAVEMENT MARKINGS, STD, WHITE, MESSAGE OR SYMBOL	EA																
*	MERGE	EA																
*	ONLY	EA	1					1				3		1		6		
*	PAINTED PAVEMENT MARKINGS, STD, WHITE, ARROWS	EA																
*	DIRECTIONAL ARROW	EA	1					1				3		1		6		
*	MERGE ARROW	EA																
*	PAINTED PAVEMENT MARKINGS, STD, WHITE, YIELD LINE	LF																
*	PAINTED PAVEMENT MARKINGS, STD, YELLOW, SOLID, 6"	GM	0.290		0.277		0.276	0.298		0.276		0.320		0.304		2.041		
*	PAINTED PAVEMENT MARKINGS, STD, YELLOW, SOLID, 8"	GM	0.277		0.277			0.277		0.277		0.277		0.270		1.655		
*	PAINTED PAVEMENT MARKINGS, STD, YELLOW, SOLID, 18"	LF	437		418			418		412		415		393		2493		
*	PAINTED PAVEMENT MARKINGS, STD, BLACK, SKIP, 10-10-20 SKIP, 6"	GM					0.158									0.158		
*	PAINTED PAVEMENT MARKINGS, STD, WHITE, SKIP, 10-10-20 SKIP, 6"	GM					0.158									0.158		

* 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 710-90 FOR THE NUMBER OF APPLICATIONS REQUIRED.

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DATE	DESCRIPTION	DATE	DESCRIPTION																									
ROAD NO.	COUNTY	FINANCIAL PROJECT ID																										
429	SEMINOLE	240200-2-52-01																										

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TABULATION OF QUANTITIES

PAY ITEM NO.	DESCRIPTION	UNIT	SHEET NUMBERS														TOTAL THIS SHEET	
			S-18		S-19		S-20		S-21		S-22		S-23		S-24		PLAN	FINAL
			PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL		
711-11-123	THERMOPLASTIC, STANDARD, WHITE, SOLID, 12"	LF	844						125		76		306		163		1514	
711-11-124	THERMOPLASTIC, STANDARD, WHITE, SOLID, 18"	LF																
711-11-125	THERMOPLASTIC STANDARD, WHITE, SOLID, 24"	LF	26					16				62		28		132		
711-11-141	THERMOPLASTIC, STANDARD, WHITE, 6-10 GAP EXTENSION, 6"	GM																
	THERMOPLASTIC, STANDARD, WHITE, 2-4 DOTTED GUIDELINE, 6"	GM						0.089		0.074		0.074		0.028		0.265		
711-11-160	THERMOPLASTIC, STANDARD, WHITE, MESSAGE OR SYMBOL																	
	"MERGE" MESSAGE	EA																
	"ONLY" MESSAGE		1					1				3		1		6		
711-11-170	THERMOPLASTIC, STANDARD, WHITE, ARROW																	
	DIRECTIONAL ARROW	EA	1					1				3		1		6		
	MERGE ARROW																	
711-11-180	THERMOPLASTIC, STANDARD, WHITE, YIELD LINE	LF																
711-11-224	THERMOPLASTIC, STANDARD, YELLOW, SOLID, 18"	LF	437		418			418		412		415		393		2493		
711-14-125	THERMOPLASTIC, PREFORMED, WHITE, SOLID, 24"	LF																
711-14-160	THERMOPLASTIC, PREFORMED, WHITE, MESSAGE (BIKE SYMBOL)	EA	2					1		2		2		3		10		
711-14-170	THERMOPLASTIC, PREFORMED, WHITE, ARROW (BIKE ARROW)	EA	2					1		2		2		3		10		
711-15-101	THERMOPLASTIC, STANDARD-OPEN GRADED ASPHALT SURFACES WHITE, SOLID, 6"	GM	0.277		0.276		0.118	0.277		0.276		0.277		0.277		1.778		
711-15-102	THERMOPLASTIC, STANDARD-OPEN GRADED ASPHALT SURFACES, WHITE, SOLID, 8"	GM																
711-15-131	THERMOPLASTIC, STANDARD-OPEN GRADED ASPHALT SURFACES, WHITE, SKIP, 6", 10-30 SKIP	GM	0.278		0.277		0.118	0.281		0.274		0.278		0.281		1.787		
	THERMOPLASTIC, STANDARD-OPEN GRADED ASPHALT SURFACES, WHITE, SKIP, 6", 3-9 LANE DROP	GM	0.152		0.005											0.156		
711-15-201	THERMOPLASTIC, STANDARD-OPEN GRADED ASPHALT SURFACES, YELLOW, SOLID, 6"	GM	0.277		0.276		0.118	0.277		0.276		0.277		0.277		1.778		
711-15-202	THERMOPLASTIC, STANDARD-OPEN GRADED ASPHALT SURFACES YELLOW, SOLID, 8"	GM																
711-16-101	THERMOPLASTIC, STANDARD-OTHER SURFACES, WHITE, SOLID, 6"	GM	0.524		0.553			0.604		0.560		0.459		0.542		3.242		
711-16-102	THERMOPLASTIC, STANDARD-OTHER SURFACES, WHITE, SOLID, 8"	GM																
711-16-131	THERMOPLASTIC, OTHER SURFACES, WHITE, SKIP, 6", 10-30 SKIP	GM																
711-16-201	THERMOPLASTIC, STANDARD-OTHER SURFACES, YELLOW, SOLID, 6"	GM	0.014					0.021				0.043		0.027		0.105		
711-16-202	THERMOPLASTIC, STANDARD-OTHER SURFACES, YELLOW, SOLID, 8"	GM	0.277		0.277			0.277		0.277		0.277		0.270		1.655		
713-103-101	PERMANENT TAPE, WHITE, SOLID, 6" FOR CONCRETE BRIDGES	GM					0.158									0.158		
713-103-103	PERMANENT TAPE, WHITE, SOLID DROP LANE MARKING, 12" FOR CONCRETE BRIDGES	GM																
713-103-131	PERMANENT TAPE, WHITE, SKIP/DOTTED, 6" FOR CONCRETE SURFACES	GM					0.158									0.158		
713-103-133	PERMANENT TAPE, WHITE, SKIP, 12" WIDE 3' - 9' DROP LANE ON CONCRETE SURFACES	GM																
713-103-201	PERMANENT TAPE, YELLOW, SOLID, 6" FOR CONCRETE BRIDGES	GM					0.158									0.158		
713-103-331	PERMANENT TAPE, BLACK, SKIP/DOTTED, 6" FOR CONCRETE SURFACES	GM					0.158									0.158		

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DATE	DESCRIPTION	DATE	DESCRIPTION																							
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429	SEMINOLE	240200-2-52-01																								

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TABULATION OF QUANTITIES

PAY ITEM NO.	DESCRIPTION	UNIT	SHEET NUMBERS														TOTAL THIS SHEET	
			S-25		S-26		S-27		S-28		S-29		S-30		S-31		PLAN	FINAL
			PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL		
700-1-11	SINGLE POST SIGN, F&I, GROUND MOUNT, <12 SF	AS			3		2										5	
700-1-12	SINGLE POST SIGN, F&I, GROUND MOUNT, 12 - 20 SF	AS					1										1	
700-1-13	SINGLE POST SIGN, F&I, GROUND MOUNT, 21 - 30 SF	AS																
700-1-21	SINGLE POST SIGN, F&I, BARRIER MOUNT INDEX 11871, < 12 SF	AS							1								1	
700-1-22	SINGLE POST SIGN, F&I, BARRIER MOUNT INDEX 11871, 12 - 20 SF	AS																
700-1-23	SINGLE POST SIGN, F&I, BARRIER MOUNT INDEX 11871, 21 - 30 SF	AS	1														1	
700-1-31	SINGLE POST SIGN, F&I, BRIDGE MOUNT INDEX 11870, UP TO 12 SF	AS							1								1	
700-1-50	SINGLE POST SIGN, RELOCATE	AS																
700-1-60	SINGLE POST SIGN, REMOVE	AS			3				1								4	
700-2-13	MULTI- POST SIGN, F&I GROUND MOUNT, 21-30 SF	AS																
700-2-14	MULTI-POST SIGN, F&I, GROUND MOUNT, 31 - 50 SF	AS			1												1	
700-2-15	MULTI-POST SIGN, F&I, GROUND MOUNT, 51 - 100 SF	AS			1												1	
700-2-16	MULTI-POST SIGN, F&I, GROUND MOUNT, 101-200 SF	AS																
700-2-60	MULTI- POST SIGN, REMOVE	AS																
700-3-202	SIGN PANEL, F&I, OVERHEAD MOUNT, 12 - 20 SF	EA																
700-3-203	SIGN PANEL, F&I, OVERHEAD MOUNT, 21 - 30 SF	EA	1				3								2		6	
700-3-205	SIGN PANEL, F&I, OVERHEAD MOUNT, 51 - 100 SF	EA					1								1		2	
700-3-206	SIGN PANEL, F&I, OVERHEAD MOUNT, 101 - 200 SF	EA					2								1		3	
700-3-207	SIGN PANEL, F&I, OVERHEAD MOUNT, 201 - 300 SF	EA	1				1								1		3	
700-4-112	OVERHEAD STATIC SIGN STRUCTURE, F&I, CANTILEVER, 21-30 FT OHC-3	EA																
700-4-113	OVERHEAD STATIC SIGN STRUCTURE, F&I, CANTILEVER, 31-40 FT OHC-4	EA																
	OHC-5																	
	OHC-6		1															1
700-4-114	OVERHEAD STATIC SIGN STRUCTURE, F&I, CANTILEVER, 41-50 FT OHC-2	EA																
	OHC-7																	
700-4-126	OVERHEAD STATIC SIGN STRUCTURE, F&I, SPAN, 101-150 FT OHT-1	EA																
	OHT-2																	
	OHT-3						1											1
	OHT-4														1			1
705-11-1	DELINEATOR, FLEXIBLE TUBULAR	EA																
705-11-2	DELINEATOR, NON-FLEXIBLE	EA																
710-90	PAINTED PAVEMENT MARKINGS - FINAL SURFACE	LS																
*	RETRO-REFLECTIVE PAVEMENT MARKER	EA																
*	W-R	EA	76		135		84		38		36		36		22		427	
*	Y-R	EA			83		20										103	
*	Y-Y	EA			27		2								23		52	
*	PAINTED PAVEMENT MARKINGS, STD, WHITE, SOLID, 6"	GM	0.276		0.935		0.535		0.277		0.277		0.273		0.344		2.917	
*	PAINTED PAVEMENT MARKINGS, STD, WHITE, SOLID, 8"	GM			0.009												0.009	
*	PAINTED PAVEMENT MARKINGS, STD, WHITE, SOLID, 12"	LF	408		1013		885										2306	
*	PAINTED PAVEMENT MARKINGS, STD, WHITE, SOLID, 18"	LF			55												55	
*	PAINTED PAVEMENT MARKINGS, STD, WHITE, SOLID, 24"	LF			19		28										47	
*	PAINTED PAVEMENT MARKINGS, STD, WHITE, SKIP, 3-9 SKIP, 6"	GM	0.067		0.087												0.154	
*	PAINTED PAVEMENT MARKINGS, STD, WHITE, SKIP, 10-30 SKIP, 6"	GM	0.119		0.281		0.274		0.175		0.277		0.273		0.167		1.566	
*	PAINTED PAVEMENT MARKINGS, STD, WHITE, DOTTED/GUIDELINE/6-10 DOT EXT. 6"	GM																
*	PAINTED PAVEMENT MARKINGS, STD, WHITE, DOTTED/GUIDELINE/2-4 DOT EXT. 6"	GM					0.024										0.024	
*	PAINTED PAVEMENT MARKINGS, STD, WHITE, MESSAGE OR SYMBOL	EA																
*	MERGE	EA					1										1	
*	ONLY	EA			1		1										2	
*	PAINTED PAVEMENT MARKINGS, STD, WHITE, ARROWS	EA																
*	DIRECTIONAL ARROW	EA			1		1										2	
*	MERGE ARROW	EA					1										1	
*	PAINTED PAVEMENT MARKINGS, STD, WHITE, YIELD LINE	LF																
*	PAINTED PAVEMENT MARKINGS, STD, YELLOW, SOLID, 6"	GM	0.277		0.385		0.400		0.277		0.277		0.273		0.344		2.233	
*	PAINTED PAVEMENT MARKINGS, STD, YELLOW, SOLID, 8"	GM			0.292		0.089										0.381	
*	PAINTED PAVEMENT MARKINGS, STD, YELLOW, SOLID, 18"	LF			456		54										510	
*	PAINTED PAVEMENT MARKINGS, STD, BLACK, SKIP, 10-10-20 SKIP, 6"	GM	0.154						0.102								0.256	
*	PAINTED PAVEMENT MARKINGS, STD, WHITE, SKIP, 10-10-20 SKIP, 6"	GM	0.154						0.102								0.256	

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PAY ITEM NO.	DESCRIPTION	UNIT	SHEET NUMBERS														TOTAL THIS SHEET	
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			PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL		
711-11-123	THERMOPLASTIC, STANDARD, WHITE, SOLID, 12"	LF	339		1013		885										2237	
711-11-124	THERMOPLASTIC, STANDARD, WHITE, SOLID, 18"	LF			55												55	
711-11-125	THERMOPLASTIC STANDARD, WHITE, SOLID, 24"	LF			19		28										47	
711-11-141	THERMOPLASTIC, STANDARD, WHITE, 6-10 GAP EXTENSION, 6"	GM																
	THERMOPLASTIC, STANDARD, WHITE, 2-4 DOTTED GUIDELINE, 6"	GM					0.032										0.032	
711-11-160	THERMOPLASTIC, STANDARD, WHITE, MESSAGE OR SYMBOL																	
	"MERGE" MESSAGE	EA					1										1	
	"ONLY" MESSAGE				1		1										2	
711-11-170	THERMOPLASTIC, STANDARD, WHITE, ARROW																	
	DIRECTIONAL ARROW	EA			1		1										2	
	MERGE ARROW						1										1	
711-11-180	THERMOPLASTIC, STANDARD, WHITE, YIELD LINE	LF																
711-11-224	THERMOPLASTIC, STANDARD, YELLOW, SOLID, 18"	LF			456		54										510	
711-14-125	THERMOPLASTIC, PREFORMED, WHITE, SOLID, 24"	LF																
711-14-160	THERMOPLASTIC, PREFORMED, WHITE, MESSAGE (BIKE SYMBOL)	EA			1		1										2	
711-14-170	THERMOPLASTIC, PREFORMED, WHITE, ARROW (BIKE ARROW)	EA			1		1										2	
711-15-101	THERMOPLASTIC, STANDARD-OPEN GRADED ASPHALT SURFACES WHITE, SOLID, 6"	GM	0.119		0.340		0.338		0.175		0.277		0.273		0.170		1.692	
711-15-102	THERMOPLASTIC, STANDARD-OPEN GRADED ASPHALT SURFACES, WHITE, SOLID, 8"	GM																
711-15-131	THERMOPLASTIC, STANDARD-OPEN GRADED ASPHALT SURFACES, WHITE, SKIP, 6", 10-30 SKIP	GM	0.119		0.281		0.274		0.175		0.277		0.273		0.167		1.566	
	THERMOPLASTIC, STANDARD-OPEN GRADED ASPHALT SURFACES, WHITE, SKIP, 6", 3-9 LANE DROP	GM			0.087												0.087	
711-15-201	THERMOPLASTIC, STANDARD-OPEN GRADED ASPHALT SURFACES, YELLOW, SOLID, 6"	GM	0.119		0.341		0.338		0.175		0.277		0.277		0.170		1.697	
711-15-202	THERMOPLASTIC, STANDARD-OPEN GRADED ASPHALT SURFACES YELLOW, SOLID, 8"	GM			0.136												0.136	
711-16-101	THERMOPLASTIC, STANDARD-OTHER SURFACES, WHITE, SOLID, 6"	GM			0.595		0.197								0.174		0.966	
711-16-102	THERMOPLASTIC, STANDARD-OTHER SURFACES, WHITE, SOLID, 8"	GM			0.009												0.009	
711-16-131	THERMOPLASTIC, OTHER SURFACES, WHITE, SKIP, 6", 10-30 SKIP	GM																
711-16-201	THERMOPLASTIC, STANDARD-OTHER SURFACES, YELLOW, SOLID, 6"	GM	0.123		0.045		0.062						0.277		0.174		0.681	
711-16-202	THERMOPLASTIC, STANDARD-OTHER SURFACES, YELLOW, SOLID, 8"	GM			0.156		0.089										0.245	
713-103-101	PERMANENT TAPE, WHITE, SOLID, 6" FOR CONCRETE BRIDGES	GM	0.154						0.102								0.256	
713-103-103	PERMANENT TAPE, WHITE, SOLID DROP LANE MARKING, 12" FOR CONCRETE BRIDGES	GM	0.013														0.013	
713-103-131	PERMANENT TAPE, WHITE, SKIP/DOTTED, 6" FOR CONCRETE SURFACES	GM	0.154						0.102								0.256	
713-103-133	PERMANENT TAPE, WHITE, SKIP, 12" WIDE 3' - 9' DROP LANE ON CONCRETE SURFACES	GM	0.067														0.067	
713-103-201	PERMANENT TAPE, YELLOW, SOLID, 6" FOR CONCRETE BRIDGES	GM	0.154						0.102								0.256	
713-103-331	PERMANENT TAPE, BLACK, SKIP/DOTTED, 6" FOR CONCRETE SURFACES	GM	0.154						0.102								0.256	

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DATE	DESCRIPTION	DATE	DESCRIPTION																							
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			S-32		S-33		S-34		S-35		S-36		S-37		S-38		PLAN	FINAL
			PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL		
700-1-11	SINGLE POST SIGN, F&I, GROUND MOUNT, <12 SF	AS					3		2		3		1		2		11	
700-1-12	SINGLE POST SIGN, F&I, GROUND MOUNT, 12 - 20 SF	AS									2				2		4	
700-1-13	SINGLE POST SIGN, F&I, GROUND MOUNT, 21 - 30 SF	AS												1		1		
700-1-21	SINGLE POST SIGN, F&I, BARRIER MOUNT INDEX 11871, < 12 SF	AS																
700-1-22	SINGLE POST SIGN, F&I, BARRIER MOUNT INDEX 11871, 12 - 20 SF	AS																
700-1-23	SINGLE POST SIGN, F&I, BARRIER MOUNT INDEX 11871, 21 - 30 SF	AS				2					2					4		
700-1-31	SINGLE POST SIGN, F&I, BRIDGE MOUNT INDEX 11870, UP TO 12 SF	AS	2													2		
700-1-50	SINGLE POST SIGN, RELOCATE	AS																
700-1-60	SINGLE POST SIGN, REMOVE	AS				1		1		5		4		13		24		
700-2-13	MULTI- POST SIGN, F&I GROUND MOUNT, 21-30 SF	AS																
700-2-14	MULTI-POST SIGN, F&I, GROUND MOUNT, 31 - 50 SF	AS																
700-2-15	MULTI-POST SIGN, F&I, GROUND MOUNT, 51 - 100 SF	AS										1				1		
700-2-16	MULTI-POST SIGN, F&I, GROUND MOUNT, 101 - 200 SF	AS				1				1						2		
700-2-60	MULTI- POST SIGN, REMOVE	AS																
700-3-202	SIGN PANEL, F&I, OVERHEAD MOUNT, 12 - 20 SF	EA										1				1		
700-3-203	SIGN PANEL, F&I, OVERHEAD MOUNT, 21 - 30 SF	EA																
700-3-205	SIGN PANEL, F&I, OVERHEAD MOUNT, 51 - 100 SF	EA																
700-3-206	SIGN PANEL, F&I, OVERHEAD MOUNT, 101 - 200 SF	EA																
700-3-207	SIGN PANEL, F&I, OVERHEAD MOUNT, 201 - 300 SF	EA										1				1		
700-4-112	OVERHEAD STATIC SIGN STRUCTURE, F&I, CANTILEVER, 21-30 FT OHC-3	EA																
700-4-113	OVERHEAD STATIC SIGN STRUCTURE, F&I, CANTILEVER, 31-40 FT OHC-4	EA																
	OHC-5																	
	OHC-6																	
700-4-114	OVERHEAD STATIC SIGN STRUCTURE, F&I, CANTILEVER, 41-50 FT OHC-2	EA																
	OHC-7											1				1		
700-4-126	OVERHEAD STATIC SIGN STRUCTURE, F&I, SPAN, 101-150 FT OHT-1	EA																
	OHT-2																	
	OHT-3																	
	OHT-4																	
705-11-1	DELINEATOR, FLEXIBLE TUBULAR	EA										1		3		4		
705-11-2	DELINEATOR, NON-FLEXIBLE	EA				9										9		
710-90	PAINTED PAVEMENT MARKINGS - FINAL SURFACE	LS																
*	RETRO-REFLECTIVE PAVEMENT MARKER	EA																
*	W-R	EA	37		18		43		18		42		118		103	379		
*	Y-R	EA					19		13		31		8		6	77		
*	Y-Y	EA					8				6				2	16		
*	PAINTED PAVEMENT MARKINGS, STD, WHITE, SOLID, 6"	GM	0.277		0.139		0.295		0.187		0.162		0.219		0.435	1.714		
*	PAINTED PAVEMENT MARKINGS, STD, WHITE, SOLID, 8"	GM									0.016					0.016		
*	PAINTED PAVEMENT MARKINGS, STD, WHITE, SOLID, 12"	LF					810		153		254		927		186	2330		
*	PAINTED PAVEMENT MARKINGS, STD, WHITE, SOLID, 18"	LF									29		221		295	545		
*	PAINTED PAVEMENT MARKINGS, STD, WHITE, SOLID, 24"	LF					39		25		45				33	142		
*	PAINTED PAVEMENT MARKINGS, STD, WHITE, SKIP, 3-9 SKIP, 6"	GM																
*	PAINTED PAVEMENT MARKINGS, STD, WHITE, SKIP, 10-30 SKIP, 6"	GM	0.057		0.139				0.046		0.167		0.304		0.410	1.123		
*	PAINTED PAVEMENT MARKINGS, STD, WHITE, DOTTED/GUIDELINE/6-10 DOT EXT. 6"	GM										0.016		0.032		0.048		
*	PAINTED PAVEMENT MARKINGS, STD, WHITE, DOTTED/GUIDELINE/2-4 DOT EXT. 6"	GM					0.011		0.003		0.068		0.042		0.034	0.158		
*	PAINTED PAVEMENT MARKINGS, STD, WHITE, MESSAGE OR SYMBOL	EA																
*	MERGE	EA							1							1		
*	ONLY	EA					2				2				2	6		
*	PAINTED PAVEMENT MARKINGS, STD, WHITE, ARROWS	EA																
*	DIRECTIONAL ARROW	EA					2				2				2	6		
*	MERGE ARROW	EA							1							1		
*	PAINTED PAVEMENT MARKINGS, STD, WHITE, YIELD LINE	LF																
*	PAINTED PAVEMENT MARKINGS, STD, YELLOW, SOLID, 6"	GM	0.277		0.173		0.144		0.247		0.274		0.208		0.269	1.592		
*	PAINTED PAVEMENT MARKINGS, STD, YELLOW, SOLID, 8"	GM					0.071				0.081		0.062			0.214		
*	PAINTED PAVEMENT MARKINGS, STD, YELLOW, SOLID, 18"	LF					28		148		182		134		111	603		
*	PAINTED PAVEMENT MARKINGS, STD, BLACK, SKIP, 10-10-20 SKIP, 6"	GM	0.220													0.220		
*	PAINTED PAVEMENT MARKINGS, STD, WHITE, SKIP, 10-10-20 SKIP, 6"	GM	0.220													0.220		

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REVISIONS DATE DESCRIPTION DATE DESCRIPTION				SUSANNE S. HERTZ, P.E. PE No. 49486 Traffic Engineering Data Solutions, Inc. 80 Spring Vista Drive Phone: 386.753.0558 DeBary, FL 32713 Fax: 386.753.0778 CERTIFICATION OF AUTHORIZATION # 27392			STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION ROAD NO. COUNTY FINANCIAL PROJECT ID 429 SEMINOLE 240200-2-52-01			SHEET NO. S-6	
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TABULATION OF QUANTITIES

PAY ITEM NO.	DESCRIPTION	UNIT	SHEET NUMBERS														TOTAL THIS SHEET	
			S-32		S-33		S-34		S-35		S-36		S-37		S-38		PLAN	FINAL
			PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL		
711-11-123	THERMOPLASTIC, STANDARD, WHITE, SOLID, 12"	LF					810		153		254		927		186		2330	
711-11-124	THERMOPLASTIC, STANDARD, WHITE, SOLID, 18"	LF									29		221		295		545	
711-11-125	THERMOPLASTIC STANDARD, WHITE, SOLID, 24"	LF					39		25		45				33		142	
711-11-141	THERMOPLASTIC, STANDARD, WHITE, 6-10 GAP EXTENSION, 6"	GM											0.016		0.032		0.048	
	THERMOPLASTIC, STANDARD, WHITE, 2-4 DOTTED GUIDELINE, 6"	GM					0.023		0.007		0.125		0.086		0.070		0.311	
711-11-160	THERMOPLASTIC, STANDARD, WHITE, MESSAGE OR SYMBOL																	
	"MERGE" MESSAGE	EA							1								1	
	"ONLY" MESSAGE						2				2				2		6	
711-11-170	THERMOPLASTIC, STANDARD, WHITE, ARROW																	
	DIRECTIONAL ARROW	EA					2		1		2		3		8		16	
	MERGE ARROW								1								1	
711-11-180	THERMOPLASTIC, STANDARD, WHITE, YIELD LINE	LF																
711-11-224	THERMOPLASTIC, STANDARD, YELLOW, SOLID, 18"	LF			28		148				182		134		111		603	
711-14-125	THERMOPLASTIC, PREFORMED, WHITE, SOLID, 24"	LF																
711-14-160	THERMOPLASTIC, PREFORMED, WHITE, MESSAGE (BIKE SYMBOL)	EA									1		5				6	
711-14-170	THERMOPLASTIC, PREFORMED, WHITE, ARROW (BIKE ARROW)	EA									1		5				6	
711-15-101	THERMOPLASTIC, STANDARD-OPEN GRADED ASPHALT SURFACES WHITE, SOLID, 6"	GM	0.065		0.139		0.071		0.099		0.083		0.002				0.459	
711-15-102	THERMOPLASTIC, STANDARD-OPEN GRADED ASPHALT SURFACES, WHITE, SOLID, 8"	GM																
711-15-131	THERMOPLASTIC, STANDARD-OPEN GRADED ASPHALT SURFACES, WHITE, SKIP, 6", 10-30 SKIP	GM	0.057		0.139												0.196	
	THERMOPLASTIC, STANDARD-OPEN GRADED ASPHALT SURFACES, WHITE, SKIP, 6", 3-9 LANE DROP	GM																
711-15-201	THERMOPLASTIC, STANDARD-OPEN GRADED ASPHALT SURFACES, YELLOW, SOLID, 6"	GM	0.057		0.139		0.071		0.099		0.083		0.002				0.451	
711-15-202	THERMOPLASTIC, STANDARD-OPEN GRADED ASPHALT SURFACES YELLOW, SOLID, 8"	GM																
711-16-101	THERMOPLASTIC, STANDARD-OTHER SURFACES, WHITE, SOLID, 6"	GM					0.224		0.088		0.080		0.328		0.435		1.155	
711-16-102	THERMOPLASTIC, STANDARD-OTHER SURFACES, WHITE, SOLID, 8"	GM									0.016						0.016	
711-16-131	THERMOPLASTIC, OTHER SURFACES, WHITE, SKIP, 6", 10-30 SKIP	GM							0.046		0.167		0.304		0.410		0.927	
711-16-201	THERMOPLASTIC, STANDARD-OTHER SURFACES, YELLOW, SOLID, 6"	GM			0.034		0.064		0.148		0.191		0.277		0.269		0.983	
711-16-202	THERMOPLASTIC, STANDARD-OTHER SURFACES, YELLOW, SOLID, 8"	GM					0.071				0.081		0.062				0.214	
713-103-101	PERMANENT TAPE, WHITE, SOLID, 6" FOR CONCRETE BRIDGES	GM	0.212														0.212	
713-103-103	PERMANENT TAPE, WHITE, SOLID DROP LANE MARKING, 12" FOR CONCRETE BRIDGES	GM																
713-103-131	PERMANENT TAPE, WHITE, SKIP/DOTTED, 6" FOR CONCRETE SURFACES	GM	0.220														0.220	
713-103-133	PERMANENT TAPE, WHITE, SKIP, 12" WIDE 3' - 9' DROP LANE ON CONCRETE SURFACES	GM																
713-103-201	PERMANENT TAPE, YELLOW, SOLID, 6" FOR CONCRETE BRIDGES	GM	0.220														0.220	
713-103-331	PERMANENT TAPE, BLACK, SKIP/DOTTED, 6" FOR CONCRETE SURFACES	GM																

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DATE	DESCRIPTION	DATE	DESCRIPTION																									
ROAD NO.	COUNTY	FINANCIAL PROJECT ID																										
429	SEMINOLE	240200-2-52-01																										

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TABULATION OF QUANTITIES

PAY ITEM NO.	DESCRIPTION	UNIT	SHEET NUMBERS														TOTAL THIS SHEET	
			S-39		S-40		S-41		S-42		S-43		S-44		S-45		PLAN	FINAL
			PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL		
700-1-11	SINGLE POST SIGN, F&I, GROUND MOUNT, <12 SF	AS	3				2	2			1	1			18		27	
700-1-12	SINGLE POST SIGN, F&I, GROUND MOUNT, 12 - 20 SF	AS													2		2	
700-1-13	SINGLE POST SIGN, F&I, GROUND MOUNT, 21 - 30 SF	AS													1		1	
700-1-21	SINGLE POST SIGN, F&I, BARRIER MOUNT INDEX 11871, < 12 SF	AS																
700-1-22	SINGLE POST SIGN, F&I, BARRIER MOUNT INDEX 11871, 12 - 20 SF	AS																
700-1-23	SINGLE POST SIGN, F&I, BARRIER MOUNT INDEX 11871, 21 - 30 SF	AS																
700-1-31	SINGLE POST SIGN, F&I, BRIDGE MOUNT INDEX 11870, UP TO 12 SF	AS																
700-1-50	SINGLE POST SIGN, RELOCATE	AS																
700-1-60	SINGLE POST SIGN, REMOVE	AS	4					1				1		4			10	
700-2-13	MULTI- POST SIGN, F&I GROUND MOUNT, 21-30 SF	AS																
700-2-14	MULTI-POST SIGN, F&I, GROUND MOUNT, 31 - 50 SF	AS																
700-2-15	MULTI-POST SIGN, F&I, GROUND MOUNT, 51 - 100 SF	AS																
700-2-16	MULTI-POST SIGN, F&I, GROUND MOUNT, 101 - 200 SF	AS																
700-2-60	MULTI- POST SIGN, REMOVE	AS																
700-3-202	SIGN PANEL, F&I, OVERHEAD MOUNT, 12 - 20 SF	EA																
700-3-203	SIGN PANEL, F&I, OVERHEAD MOUNT, 21 - 30 SF	EA																
700-3-205	SIGN PANEL, F&I, OVERHEAD MOUNT, 51 - 100 SF	EA																
700-3-206	SIGN PANEL, F&I, OVERHEAD MOUNT, 101 - 200 SF	EA																
700-3-207	SIGN PANEL, F&I, OVERHEAD MOUNT, 201 - 300 SF	EA																
700-4-112	OVERHEAD STATIC SIGN STRUCTURE, F&I, CANTILEVER, 21-30 FT	EA																
	OHC-3																	
700-4-113	OVERHEAD STATIC SIGN STRUCTURE, F&I, CANTILEVER, 31-40 FT	EA																
	OHC-4																	
	OHC-5																	
	OHC-6																	
700-4-114	OVERHEAD STATIC SIGN STRUCTURE, F&I, CANTILEVER, 41-50 FT	EA																
	OHC-2																	
	OHC-7																	
700-4-126	OVERHEAD STATIC SIGN STRUCTURE, F&I, SPAN, 101-150 FT	EA																
	OHT-1																	
	OHT-2																	
	OHT-3																	
	OHT-4																	
705-11-1	DELINEATOR, FLEXIBLE TUBULAR	EA																
705-11-2	DELINEATOR, NON-FLEXIBLE	EA																
710-90	PAINTED PAVEMENT MARKINGS - FINAL SURFACE	LS																
*	RETRO-REFLECTIVE PAVEMENT MARKER	EA																
*	W-R	EA	129		28						5			41			203	
*	Y-R	EA												20			20	
*	Y-Y	EA	8			6		10				15		4			43	
*	PAINTED PAVEMENT MARKINGS, STD, WHITE, SOLID, 6"	GM	0.552		0.210		0.048		0.072				0.153		0.382		1.113	
*	PAINTED PAVEMENT MARKINGS, STD, WHITE, SOLID, 8"	GM								0.010					0.038		0.048	
*	PAINTED PAVEMENT MARKINGS, STD, WHITE, SOLID, 12"	LF	748									60			304		1113	
*	PAINTED PAVEMENT MARKINGS, STD, WHITE, SOLID, 18"	LF	354								16				48		418	
*	PAINTED PAVEMENT MARKINGS, STD, WHITE, SOLID, 24"	LF	802									12			276		1090	
*	PAINTED PAVEMENT MARKINGS, STD, WHITE, SKIP, 3-9 SKIP, 6"	GM																
*	PAINTED PAVEMENT MARKINGS, STD, WHITE, SKIP, 10-30 SKIP, 6"	GM	0.198		0.210										0.084		0.492	
*	PAINTED PAVEMENT MARKINGS, STD, WHITE, DOTTED/GUIDELINE/6-10 DOT EXT. 6"	GM	0.040		0.024												0.064	
*	PAINTED PAVEMENT MARKINGS, STD, WHITE, DOTTED/GUIDELINE/2-4 DOT EXT. 6"	GM	0.021												0.047		0.068	
*	PAINTED PAVEMENT MARKINGS, STD, WHITE, MESSAGE OR SYMBOL	EA																
*	MERGE	EA																
*	ONLY	EA																
*	PAINTED PAVEMENT MARKINGS, STD, WHITE, ARROWS	EA																
*	DIRECTIONAL ARROW	EA	12		1									6			19	
*	MERGE ARROW	EA																
*	PAINTED PAVEMENT MARKINGS, STD, WHITE, YIELD LINE	LF												60			60	
*	PAINTED PAVEMENT MARKINGS, STD, YELLOW, SOLID, 6"	GM	0.248		0.208		0.048		0.072				0.115		0.337		1.028	
*	PAINTED PAVEMENT MARKINGS, STD, YELLOW, SOLID, 8"	GM																
*	PAINTED PAVEMENT MARKINGS, STD, YELLOW, SOLID, 18"	LF												7			7	
*	PAINTED PAVEMENT MARKINGS, STD, BLACK, SKIP, 10-10-20 SKIP, 6"	GM																
*	PAINTED PAVEMENT MARKINGS, STD, WHITE, SKIP, 10-10-20 SKIP, 6"	GM																

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DATE	DESCRIPTION	DATE	DESCRIPTION																									
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429	SEMINOLE	240200-2-52-01																										

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			S-39		S-40		S-41		S-42		S-43		S-44		S-45		PLAN	FINAL
			PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL		
711-11-123	THERMOPLASTIC, STANDARD, WHITE, SOLID, 12"	LF	748											60		304	1112	
711-11-124	THERMOPLASTIC, STANDARD, WHITE, SOLID, 18"	LF	354							16						48	418	
711-11-125	THERMOPLASTIC STANDARD, WHITE, SOLID, 24"	LF										12					12	
711-11-141	THERMOPLASTIC, STANDARD, WHITE, 6-10 GAP EXTENSION, 6"	GM	0.040	0.024													0.064	
711-11-160	THERMOPLASTIC, STANDARD, WHITE, 2-4 DOTTED GUIDELINE, 6"	GM	0.042													0.078	0.120	
	"MERGE" MESSAGE	EA																
	"ONLY" MESSAGE	EA																
711-11-170	THERMOPLASTIC, STANDARD, WHITE, ARROW	EA																
	DIRECTIONAL ARROW	EA	12	1												6	19	
	MERGE ARROW	EA																
711-11-180	THERMOPLASTIC, STANDARD, WHITE, YIELD LINE	LF														60	60	
711-11-224	THERMOPLASTIC, STANDARD, YELLOW, SOLID, 18"	LF								314						7	321	
711-14-125	THERMOPLASTIC, PREFORMED, WHITE, SOLID, 24"	LF	802													276	1078	
711-14-160	THERMOPLASTIC, PREFORMED, WHITE, MESSAGE (BIKE SYMBOL)	EA	1															
711-14-170	THERMOPLASTIC, PREFORMED, WHITE, ARROW (BIKE ARROW)	EA	1															
711-15-101	THERMOPLASTIC, STANDARD-OPEN GRADED ASPHALT SURFACES WHITE, SOLID, 6"	GM																
711-15-102	THERMOPLASTIC, STANDARD-OPEN GRADED ASPHALT SURFACES, WHITE, SOLID, 8"	GM																
711-15-131	THERMOPLASTIC, STANDARD-OPEN GRADED ASPHALT SURFACES, WHITE, SKIP, 6", 10-30 SKIP	GM																
	THERMOPLASTIC, STANDARD-OPEN GRADED ASPHALT SURFACES, WHITE, SKIP, 6", 3-9 LANE DROP	GM																
711-15-201	THERMOPLASTIC, STANDARD-OPEN GRADED ASPHALT SURFACES, YELLOW, SOLID, 6"	GM														0.006	0.006	
711-15-202	THERMOPLASTIC, STANDARD-OPEN GRADED ASPHALT SURFACES YELLOW, SOLID, 8"	GM																
711-16-101	THERMOPLASTIC, STANDARD-OTHER SURFACES, WHITE, SOLID, 6"	GM	0.552	0.210		0.048		0.072					0.153		0.382		1.417	
711-16-102	THERMOPLASTIC, STANDARD-OTHER SURFACES, WHITE, SOLID, 8"	GM								0.010					0.038		0.048	
711-16-131	THERMOPLASTIC, OTHER SURFACES, WHITE, SKIP, 6", 10-30 SKIP	GM	0.198	0.213											0.084		0.495	
711-16-201	THERMOPLASTIC, STANDARD-OTHER SURFACES, YELLOW, SOLID, 6"	GM	0.248	0.208		0.048		0.072					0.115		0.331		1.022	
711-16-202	THERMOPLASTIC, STANDARD-OTHER SURFACES, YELLOW, SOLID, 8"	GM																
713-103-101	PERMANENT TAPE, WHITE, SOLID, 6" FOR CONCRETE BRIDGES	GM																
713-103-103	PERMANENT TAPE, WHITE, SOLID DROP LANE MARKING, 12" FOR CONCRETE BRIDGES	GM																
713-103-131	PERMANENT TAPE, WHITE, SKIP/DOTTED, 6" FOR CONCRETE SURFACES	GM																
713-103-133	PERMANENT TAPE, WHITE, SKIP, 12" WIDE 3' - 9' DROP LANE ON CONCRETE SURFACES	GM																
713-103-201	PERMANENT TAPE, YELLOW, SOLID, 6" FOR CONCRETE BRIDGES	GM																
713-103-331	PERMANENT TAPE, BLACK, SKIP/DOTTED, 6" FOR CONCRETE SURFACES	GM																

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<p>REVISIONS</p> <table border="1"> <thead> <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>				DATE	DESCRIPTION	DATE	DESCRIPTION					<p>SUSANNE S. HERTZ, P.E. PE No. 49486 Traffic Engineering Data Solutions, Inc. 80 Spring Vista Drive Phone: 386.753.0558 DeBary, FL 32713 Fax: 386.753.0778 CERTIFICATION OF AUTHORIZATION # 27392</p>			<p>STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION</p> <table border="1"> <thead> <tr> <th>ROAD NO.</th> <th>COUNTY</th> <th>FINANCIAL PROJECT ID</th> </tr> </thead> <tbody> <tr> <td>429</td> <td>SEMINOLE</td> <td>240200-2-52-01</td> </tr> </tbody> </table>			ROAD NO.	COUNTY	FINANCIAL PROJECT ID	429	SEMINOLE	240200-2-52-01	<p>TABULATION OF QUANTITIES</p>		<p>SHEET NO. S-7A</p>
DATE	DESCRIPTION	DATE	DESCRIPTION																							
ROAD NO.	COUNTY	FINANCIAL PROJECT ID																								
429	SEMINOLE	240200-2-52-01																								

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TABULATION OF QUANTITIES

PAY ITEM NO.	DESCRIPTION	UNIT	SHEET NUMBERS												TOTAL THIS SHEET		GRAND TOTAL	
			S-46		S-47		S-48		S-49		S-50		PLAN	FINAL	PLAN	FINAL		
			PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL						
700-1-11	SINGLE POST SIGN, F&I, GROUND MOUNT, <12 SF	AS	19		19		20		4		4				66	139		
700-1-12	SINGLE POST SIGN, F&I, GROUND MOUNT, 12 - 20 SF	AS	1		1		1							3	22			
700-1-13	SINGLE POST SIGN, F&I, GROUND MOUNT, 21 - 30 SF	AS													5			
700-1-21	SINGLE POST SIGN, F&I, BARRIER MOUNT INDEX 11871, < 12 SF	AS													8			
700-1-22	SINGLE POSE SIGN, F&I, BARRIER MOUNT INDEX 11871, 12 - 20 SF	AS													3			
700-1-23	SINGLE POST SIGN, F&I, BARRIER MOUNT INDEX 11871, 21 - 30 SF	AS													5			
700-1-31	SINGLE POST SIGN, F&I, BRIDGE MOUNT INDEX 11870, UP TO 12 SF	AS													3			
700-1-50	SINGLE POST SIGN, RELOCATE	AS	1											1	1			
700-1-60	SINGLE POST SIGN, REMOVE	AS	3		1		6		1		3			14	81			
700-2-13	MULTI- POST SIGN, F&I GROUND MOUNT, 21-30 SF	AS													2			
700-2-14	MULTI-POST SIGN, F&I, GROUND MOUNT, 31 - 50 SF	AS													2			
700-2-15	MULTI-POST SIGN, F&I, GROUND MOUNT, 51 - 100 SF	AS													2			
700-2-16	MULTI-POST SIGN, F&I, GROUND MOUNT, 101 - 200 SF	AS													2			
700-2-60	MULTI- POST SIGN, REMOVE	AS													6			
700-3-202	SIGN PANEL, F&I, OVERHEAD MOUNT, 12 - 20 SF	EA													1			
700-3-203	SIGN PANEL, F&I, OVERHEAD MOUNT, 21 - 30 SF	EA													12			
700-3-205	SIGN PANEL, F&I, OVERHEAD MOUNT, 51 - 100 SF	EA													2			
700-3-206	SIGN PANEL, F&I, OVERHEAD MOUNT, 101 - 200 SF	EA													5			
700-3-207	SIGN PANEL, F&I, OVERHEAD MOUNT, 201 - 300 SF	EA													8			
700-4-112	OVERHEAD STATIC SIGN STRUCTURE, F&I, CANTILEVER, 21-30 FT	EA																
	OHC-3														1			
700-4-113	OVERHEAD STATIC SIGN STRUCTURE, F&I, CANTILEVER, 31-40 FT	EA																
	OHC-4														1			
	OHC-5														1			
	OHC-6														1			
700-4-114	OVERHEAD STATIC SIGN STRUCTURE, F&I, CANTILEVER, 41-50 FT	EA																
	OHC-2														1			
	OHC-7														1			
700-4-126	OVERHEAD STATIC SIGN STRUCTURE, F&I, SPAN, 101-150 FT	EA																
	OHT-1														1			
	OHT-2														1			
	OHT-3														1			
	OHT-4														1			
705-11-1	DELINEATOR, FLEXIBLE TUBULAR	EA													4			
705-11-2	DELINEATOR, NON-FLEXIBLE	EA													25			
710-90	PAINTED PAVEMENT MARKINGS - FINAL SURFACE	LS													1			
*	RETRO-REFLECTIVE PAVEMENT MARKER	EA																
*	W-R	EA	29		24		34		37		12				136			
*	Y-R	EA	35		55		21		15						126			
*	Y-Y	EA	2						2		98				102			
*	PAINTED PAVEMENT MARKINGS, STD, WHITE, SOLID, 6"	GM	0.441		0.463		0.411		0.124		0.188				1.627			
*	PAINTED PAVEMENT MARKINGS, STD, WHITE, SOLID, 8"	GM	0.052		0.045		0.059								0.156			
*	PAINTED PAVEMENT MARKINGS, STD, WHITE, SOLID, 12"	LF	205		200		207		600		409				1621			
*	PAINTED PAVEMENT MARKINGS, STD, WHITE, SOLID, 18"	LF	166		93		167								426			
*	PAINTED PAVEMENT MARKINGS, STD, WHITE, SOLID, 24"	LF	212		181		201		20		46				660			
*	PAINTED PAVEMENT MARKINGS, STD, WHITE, SKIP, 3-9 SKIP, 6"	GM													0.311			
*	PAINTED PAVEMENT MARKINGS, STD, WHITE, SKIP, 10-30 SKIP, 6"	GM							0.091		0.007				0.098			
*	PAINTED PAVEMENT MARKINGS, STD, WHITE, DOTTED/GUIDELINE/6-10 DOT EXT. 6"	GM									0.029				0.029			
*	PAINTED PAVEMENT MARKINGS, STD, WHITE, DOTTED/GUIDELINE/2-4 DOT EXT. 6"	GM	0.065		0.063		0.054		0.017						0.199			
*	PAINTED PAVEMENT MARKINGS, STD, WHITE, MESSAGE OR SYMBOL	EA																
*	MERGE	EA																
*	ONLY	EA							1						1			
*	PAINTED PAVEMENT MARKINGS, STD, WHITE, ARROWS	EA																
*	DIRECTIONAL ARROW	EA	1		1		1		1		6				10			
*	MERGE ARROW	EA					3								3			
*	PAINTED PAVEMENT MARKINGS, STD, WHITE, YIELD LINE	LF	46		63		48								157			
*	PAINTED PAVEMENT MARKINGS, STD, YELLOW, SOLID, 6"	GM	0.224		0.291		0.250		0.034		0.484				1.283			
*	PAINTED PAVEMENT MARKINGS, STD, YELLOW, SOLID, 8"	GM	0.120		0.116		0.070		0.117						0.423			
*	PAINTED PAVEMENT MARKINGS, STD, YELLOW, SOLID, 18"	LF	178		173		123		203		219				896			
*	PAINTED PAVEMENT MARKINGS, STD, BLACK, SKIP, 10-10-20 SKIP, 6"	GM													0.788			
*	PAINTED PAVEMENT MARKINGS, STD, WHITE, SKIP, 10-10-20 SKIP, 6"	GM													0.788			

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REVISIONS				SUSANNE S. HERTZ, P.E. PE No. 49486 Traffic Engineering Data Solutions, Inc. 80 Spring Vista Drive Phone: 386.753.0558 DeBary, FL 32713 Fax: 386.753.0778 CERTIFICATION OF AUTHORIZATION # 27392	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			TABULATION OF QUANTITIES	SHEET NO. S-8
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					429	SEMINOLE	240200-2-52-01		

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TABULATION OF QUANTITIES

PAY ITEM NO.	DESCRIPTION	UNIT	SHEET NUMBERS												TOTAL THIS SHEET		GRAND TOTAL	
			S-46		S-47		S-48		S-49		S-50		PLAN	FINAL	PLAN	FINAL		
			PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL						
711-11-123	THERMOPLASTIC, STANDARD, WHITE, SOLID, 12"	LF	205		200		207		600		409				1621		13767	
711-11-124	THERMOPLASTIC, STANDARD, WHITE, SOLID, 18"	LF	166		93		167							426		1471		
711-11-125	THERMOPLASTIC STANDARD, WHITE, SOLID, 24"	LF						20		46				66		423		
711-11-141	THERMOPLASTIC, STANDARD, WHITE, 6-10 GAP EXTENSION, 6"	GM								0.029				0.029		1.295		
711-11-160	THERMOPLASTIC, STANDARD, WHITE, MESSAGE OR SYMBOL	GM	0.086		0.088		0.083		0.033					0.290				
	"MERGE" MESSAGE	EA														21		
	"ONLY" MESSAGE	EA						1						1				
711-11-170	THERMOPLASTIC, STANDARD, WHITE, ARROW	EA																
	DIRECTIONAL ARROW	EA	1		1		1		1		6			10		59		
	MERGE ARROW	EA																
711-11-180	THERMOPLASTIC, STANDARD, WHITE, YIELD LINE	LF	46		63		48							157		217		
711-11-224	THERMOPLASTIC, STANDARD, YELLOW, SOLID, 18"	LF	178		173		123		203		219			896		5741		
711-14-125	THERMOPLASTIC, PREFORMED, WHITE, SOLID, 24"	LF	212		181		201							594		1672		
711-14-160	THERMOPLASTIC, PREFORMED, WHITE, MESSAGE (BIKE SYMBOL)	EA	3		3		2		1					9		34		
711-14-170	THERMOPLASTIC, PREFORMED, WHITE, ARROW (BIKE ARROW)	EA	3		3		2		1					9		34		
711-15-101	THERMOPLASTIC, STANDARD-OPEN GRADED ASPHALT SURFACES WHITE, SOLID, 6"	GM			0.463		0.411		0.124		0.188			1.186		6.898		
711-15-102	THERMOPLASTIC, STANDARD-OPEN GRADED ASPHALT SURFACES, WHITE, SOLID, 8"	GM			0.045		0.059							0.104		0.104		
711-15-131	THERMOPLASTIC, STANDARD-OPEN GRADED ASPHALT SURFACES, WHITE, SKIP, 6", 10-30 SKIP	GM							0.091		0.007			0.098		5.534		
	THERMOPLASTIC, STANDARD-OPEN GRADED ASPHALT SURFACES, WHITE, SKIP, 6", 3-9 LANE DROP	GM									0.041			0.041				
711-15-201	THERMOPLASTIC, STANDARD-OPEN GRADED ASPHALT SURFACES, YELLOW, SOLID, 6"	GM			0.291		0.250		0.034		0.484			1.059		6.774		
711-15-202	THERMOPLASTIC, STANDARD-OPEN GRADED ASPHALT SURFACES YELLOW, SOLID, 8"	GM			0.116		0.070		0.117					0.303		0.439		
711-16-101	THERMOPLASTIC, STANDARD-OTHER SURFACES, WHITE, SOLID, 6"	GM	0.441											0.441		9.541		
711-16-102	THERMOPLASTIC, STANDARD-OTHER SURFACES, WHITE, SOLID, 8"	GM	0.052											0.052		0.125		
711-16-131	THERMOPLASTIC, OTHER SURFACES, WHITE, SKIP, 6", 10-30 SKIP	GM														1.445		
711-16-201	THERMOPLASTIC, STANDARD-OTHER SURFACES, YELLOW, SOLID, 6"	GM	0.274											0.274		3.539		
711-16-202	THERMOPLASTIC, STANDARD-OTHER SURFACES, YELLOW, SOLID, 8"	GM	0.120											0.120		2.915		
713-103-101	PERMANENT TAPE, WHITE, SOLID, 6" FOR CONCRETE BRIDGES	GM														0.938		
713-103-103	PERMANENT TAPE, WHITE, SOLID DROP LANE MARKING, 12" FOR CONCRETE BRIDGES	GM														0.013		
713-103-131	PERMANENT TAPE, WHITE, SKIP/DOTTED, 6" FOR CONCRETE SURFACES	GM														0.946		
713-103-133	PERMANENT TAPE, WHITE, SKIP, 12" WIDE 3' - 9' DROP LANE ON CONCRETE SURFACES	GM														0.067		
713-103-201	PERMANENT TAPE, YELLOW, SOLID, 6" FOR CONCRETE BRIDGES	GM														0.946		
713-103-331	PERMANENT TAPE, BLACK, SKIP/DOTTED, 6" FOR CONCRETE SURFACES	GM														0.726		

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ROAD NO.		COUNTY			FINANCIAL PROJECT ID				
429		SEMINOLE		240200-2-52-01					

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GENERAL:

- FOR MISCELLANEOUS STRUCTURES THAT HAVE BEEN COMPLETED AND SCHEDULED FOR ACCEPTANCE, THE CONTRACTOR SHALL CONTACT DISTRICT FIVE STRUCTURES MAINTENANCE OFFICE AT (386) 740-4363 ONE MONTH PRIOR TO COMPLETION OF PROJECT TO SCHEDULE AN INSPECTION OF STRUCTURES INCLUDING CANTILEVER AND TRUSS SIGNS.

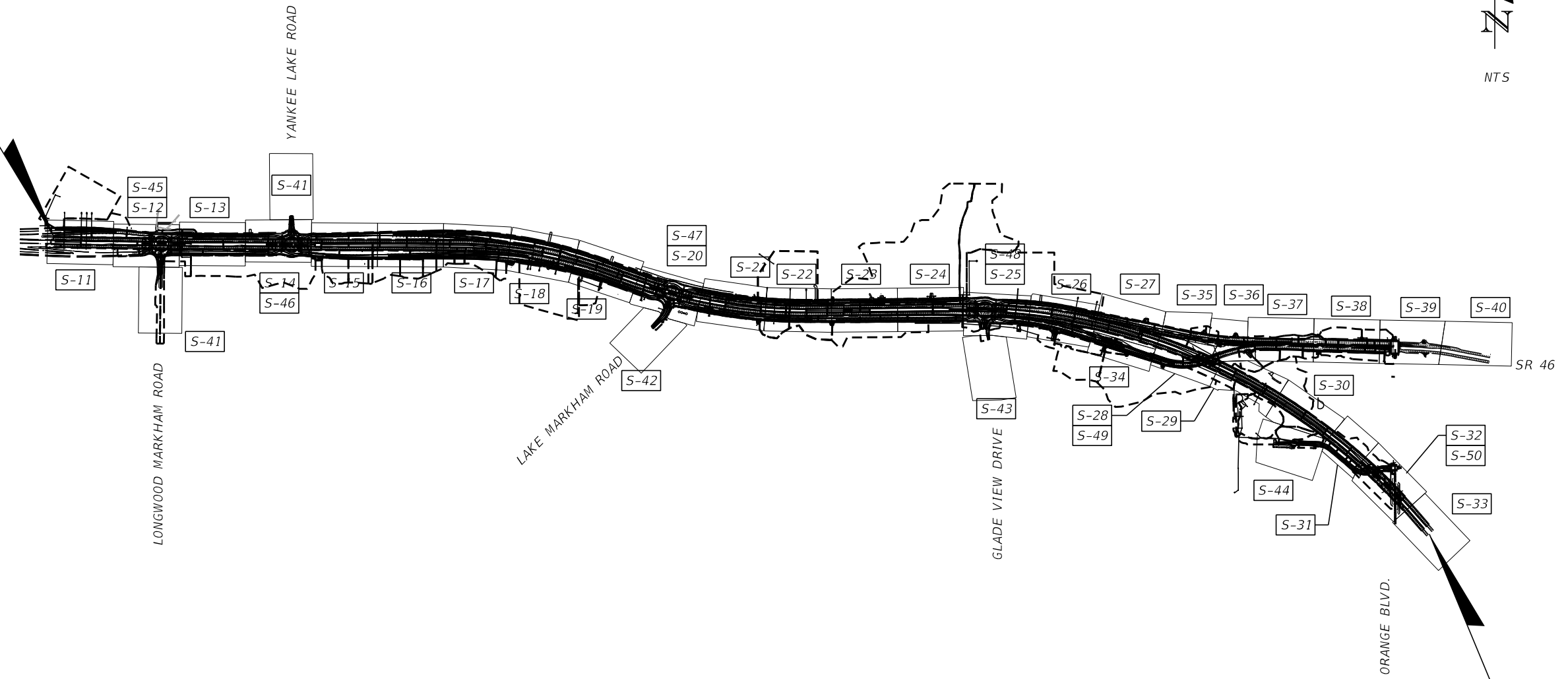
REVISIONS				SUSANNE S. HERTZ, P.E. PE No. 49486 Traffic Engineering Data Solutions, Inc. 80 Spring Vista Drive Phone: 386.753.0558 DeBary, FL 32713 Fax: 386.753.0778 CERTIFICATION OF AUTHORIZATION # 27392	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			GENERAL NOTES	SHEET NO. S-9
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					429	SEMINOLE	240200-2-52-01		

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NTS

BEGIN PROJECT
 BEGIN SIGNING & MARKING
 STA. 954+00.00
 END PROJECT 238275-7-52-01



END PROJECT
 END SIGNING & MARKING
 STA. 1114+87.25

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

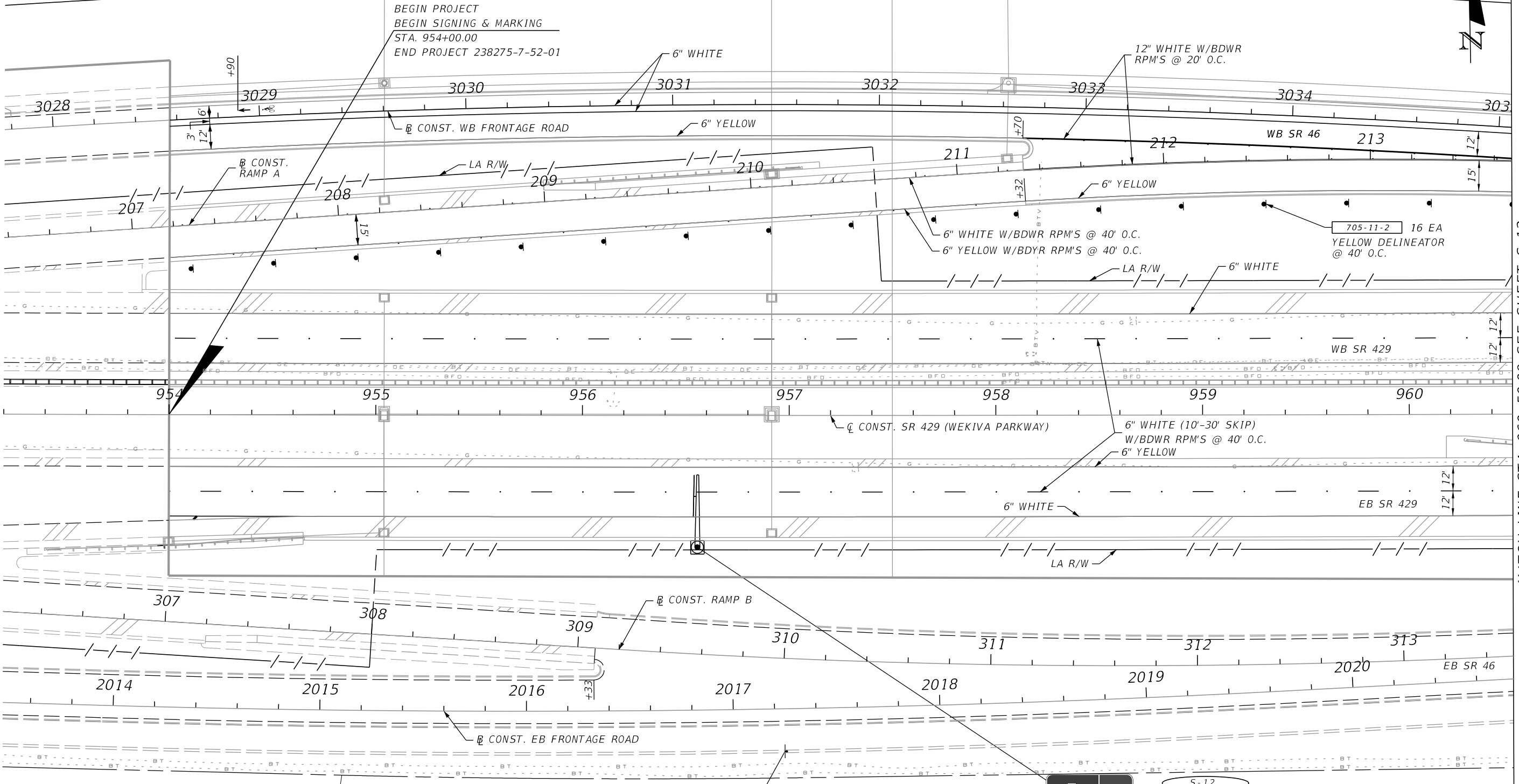
SUSANNE S. HERTZ, P.E. PE No. 49486
 Traffic Engineering Data Solutions, Inc.
 80 Spring Vista Drive Phone: 386.753.0558
 DeBary, FL 32713 Fax: 386.753.0778
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STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
429	SEMINOLE	240200-2-52-01

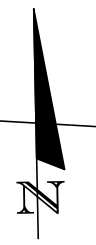
PROJECT LAYOUT

SHEET NO.
 S-10

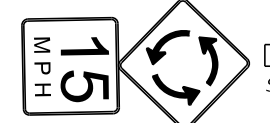
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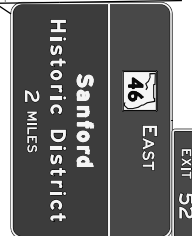
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 BEGIN SIGNING & MARKING
 STA. 954+00.00
 END PROJECT 238275-7-52-01



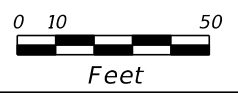
MATCH LINE STA. 960+50.00 SEE SHEET S-12



W13-1P 18"x18"
 W2-6 30"x30"



S-12
 9'-6"x2'-6"
 S-11
 20'-6"x14'-0"
 700-3-203 1 EA
 700-3-207 1 EA
 700-4-114 1 EA
 STA. 956+56
 OHC-2



REVISIONS			
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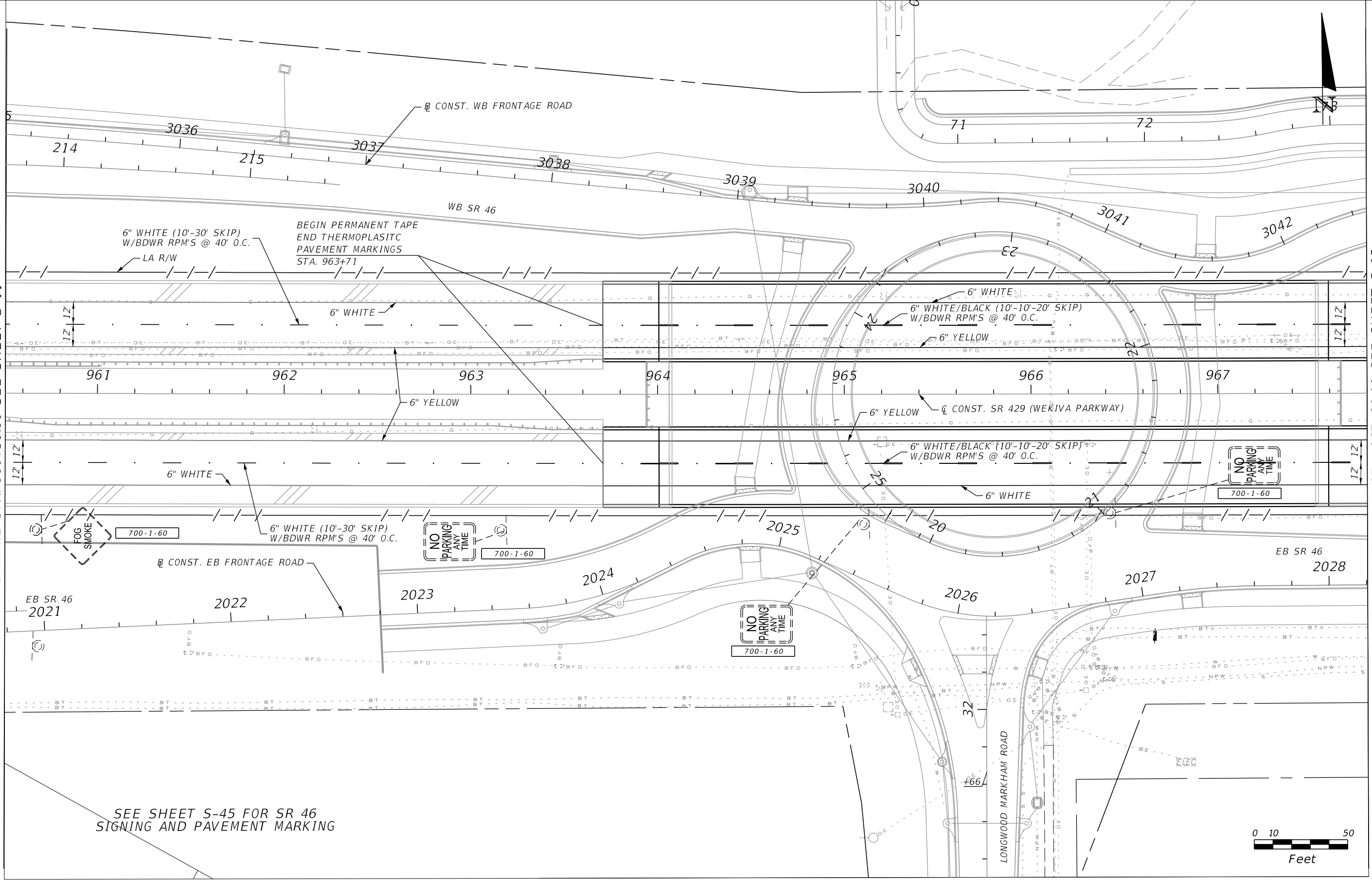
SIGNING AND MARKING PLAN

SHEET NO.
 S-11

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MATCH LINE STA. 960+50.00 SEE SHEET S-11

MATCH LINE STA. 967+80.00 SEE SHEET S-13



SEE SHEET S-45 FOR SR 46
SIGNING AND PAVEMENT MARKING

REVISIONS			
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STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
429	SEMINOLE	240200-2-52-01

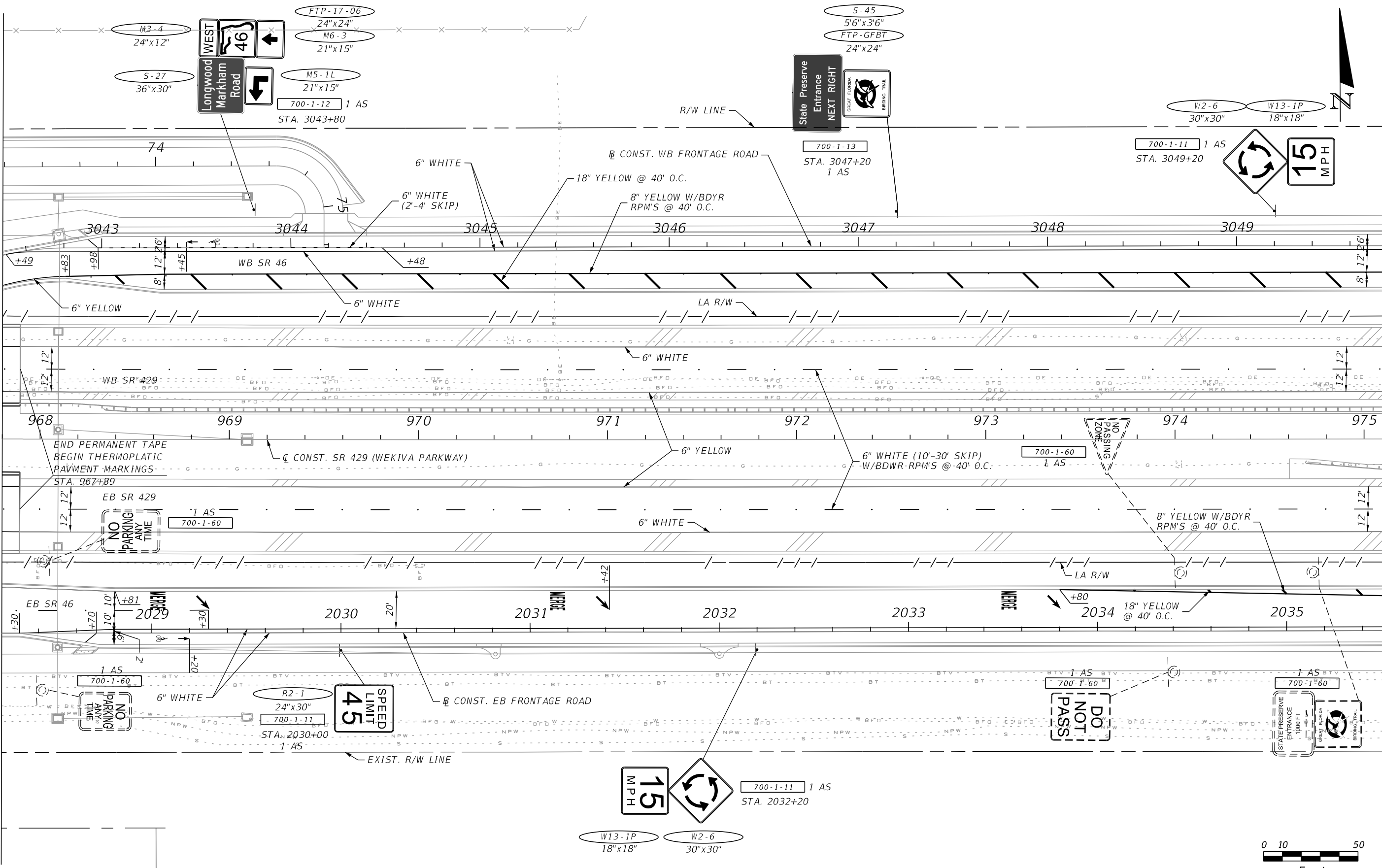
SIGNING AND MARKING PLAN

SHEET NO.
S-12

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MATCH LINE STA. 967+80.00 SEE SHEET S-12

MATCH LINE STA. 975+10.00 SEE SHEET S-14



REVISIONS			
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 DeBary, FL 32713 Fax: 386.753.0778
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STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
429	SEMINOLE	240200-2-52-01

SIGNING AND MARKING PLAN

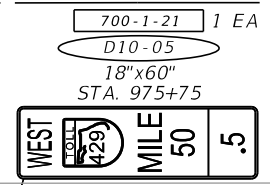
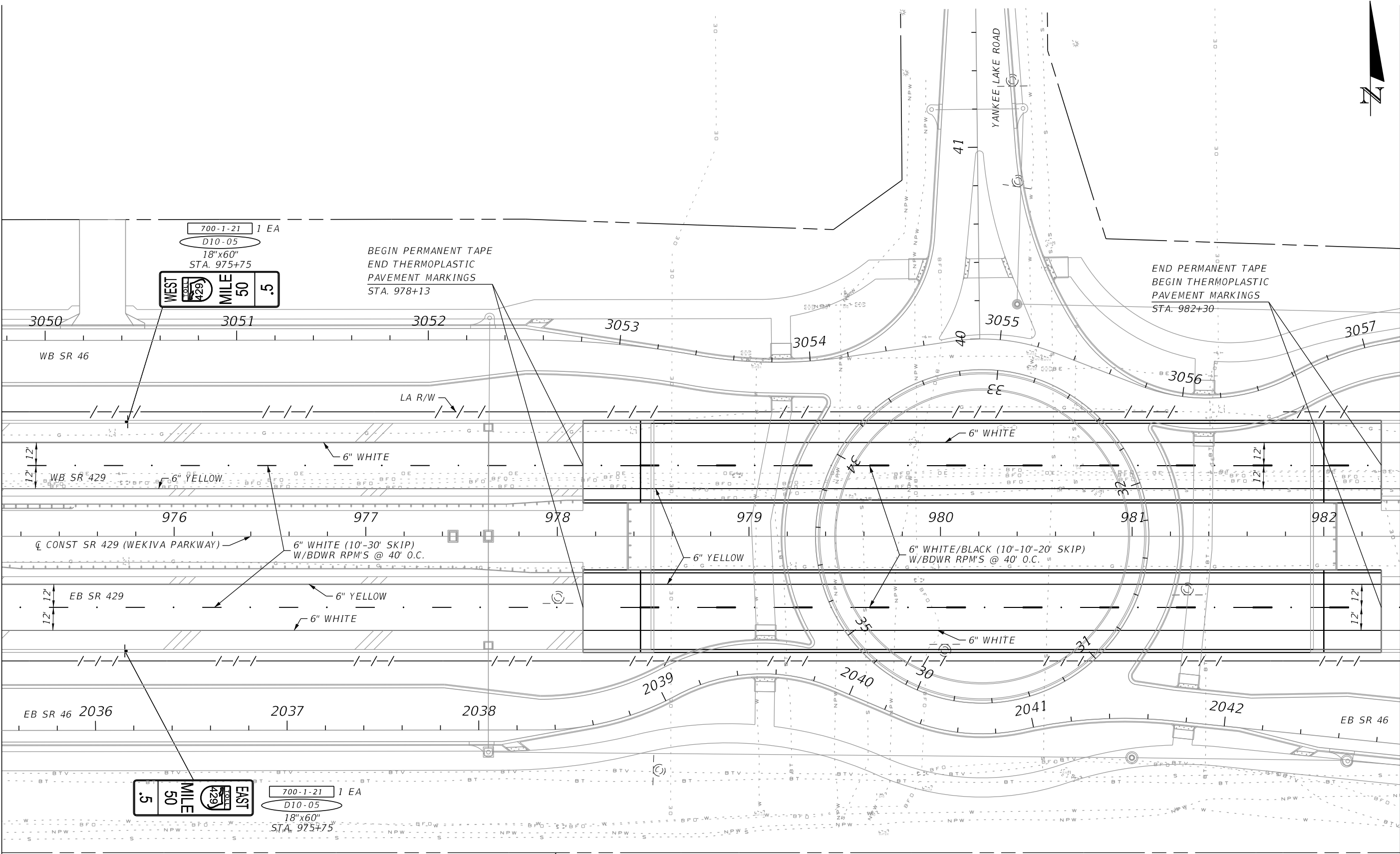
SHEET NO.
S-13

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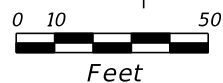


MATCH LINE STA. 975+10.00 SEE SHEET S-13

MATCH LINE STA. 982+40.00 SEE SHEET S-15



SEE SHEET S-46 FOR SR 46
SIGNING AND PAVEMENT MARKING



REVISIONS			
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429	SEMINOLE	240200-2-52-01

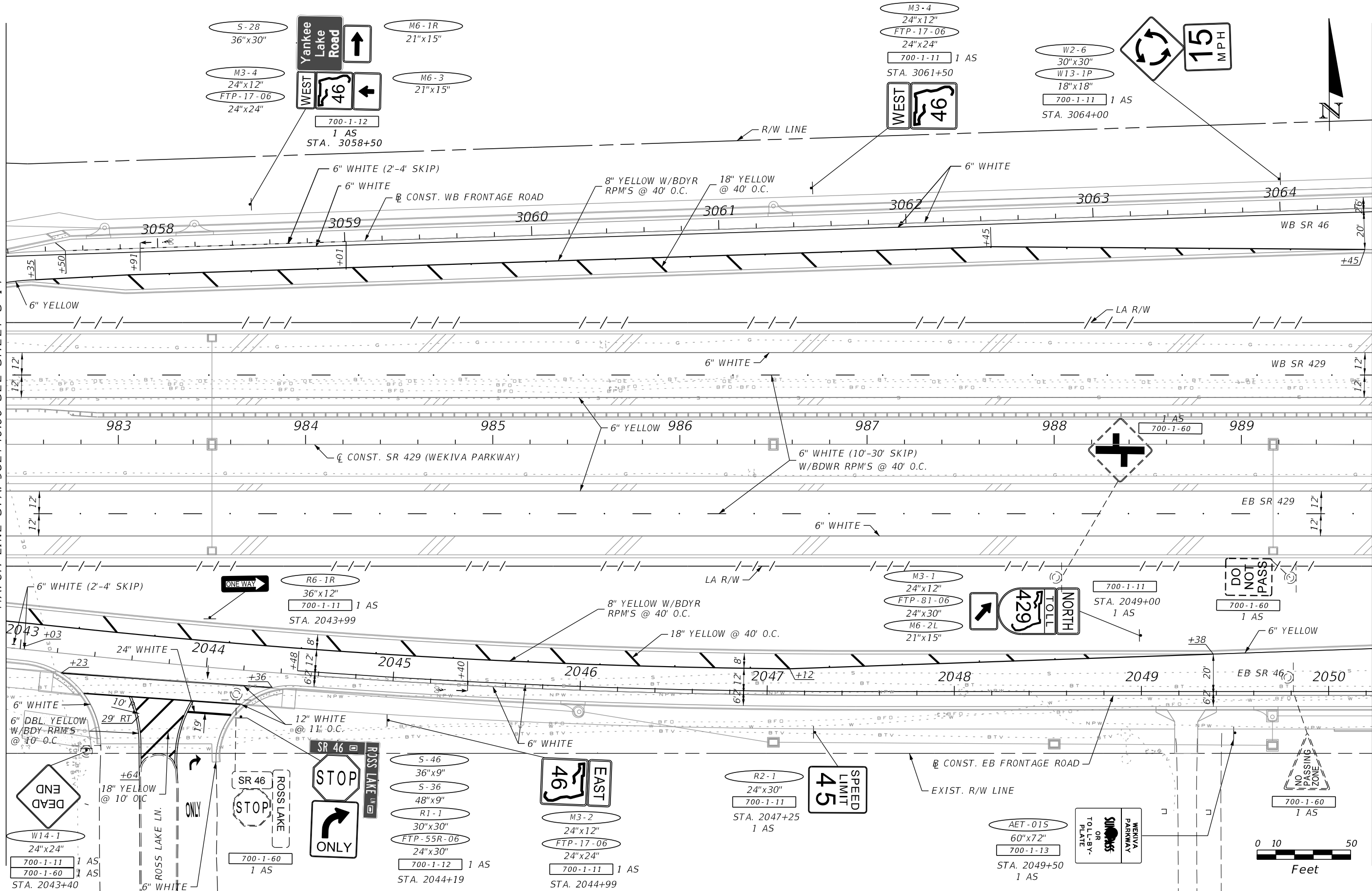
SIGNING AND MARKING PLAN

SHEET NO.
S-14

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MATCH LINE STA. 982+40.00 SEE SHEET S-14

MATCH LINE STA. 989+70.00 SEE SHEET S-16



REVISIONS			
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STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
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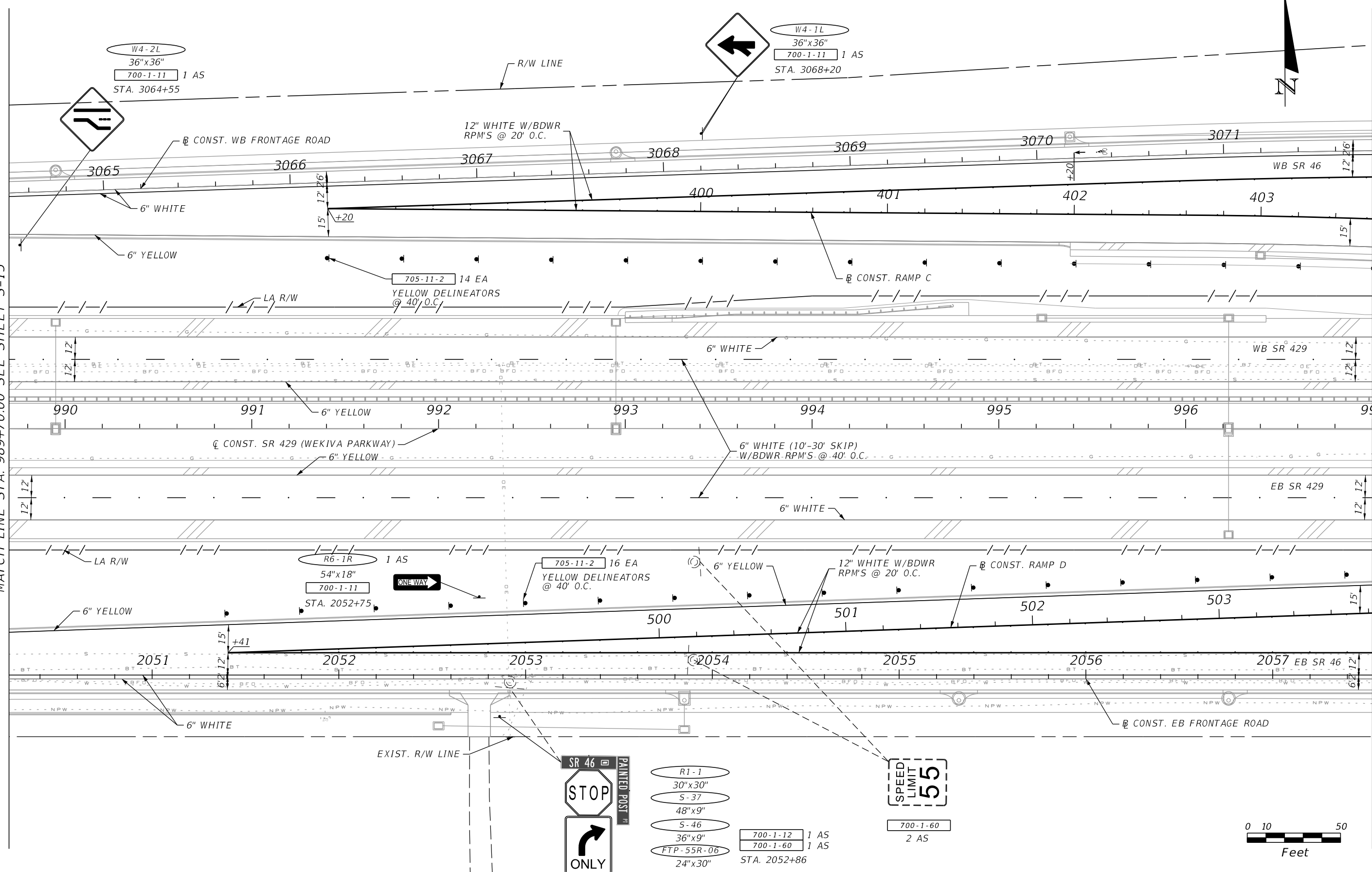
SIGNING AND MARKING PLAN

SHEET NO.
S-15

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MATCH LINE STA. 989+70.00 SEE SHEET S-15

MATCH LINE STA. 997+00.00 SEE SHEET S-17



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

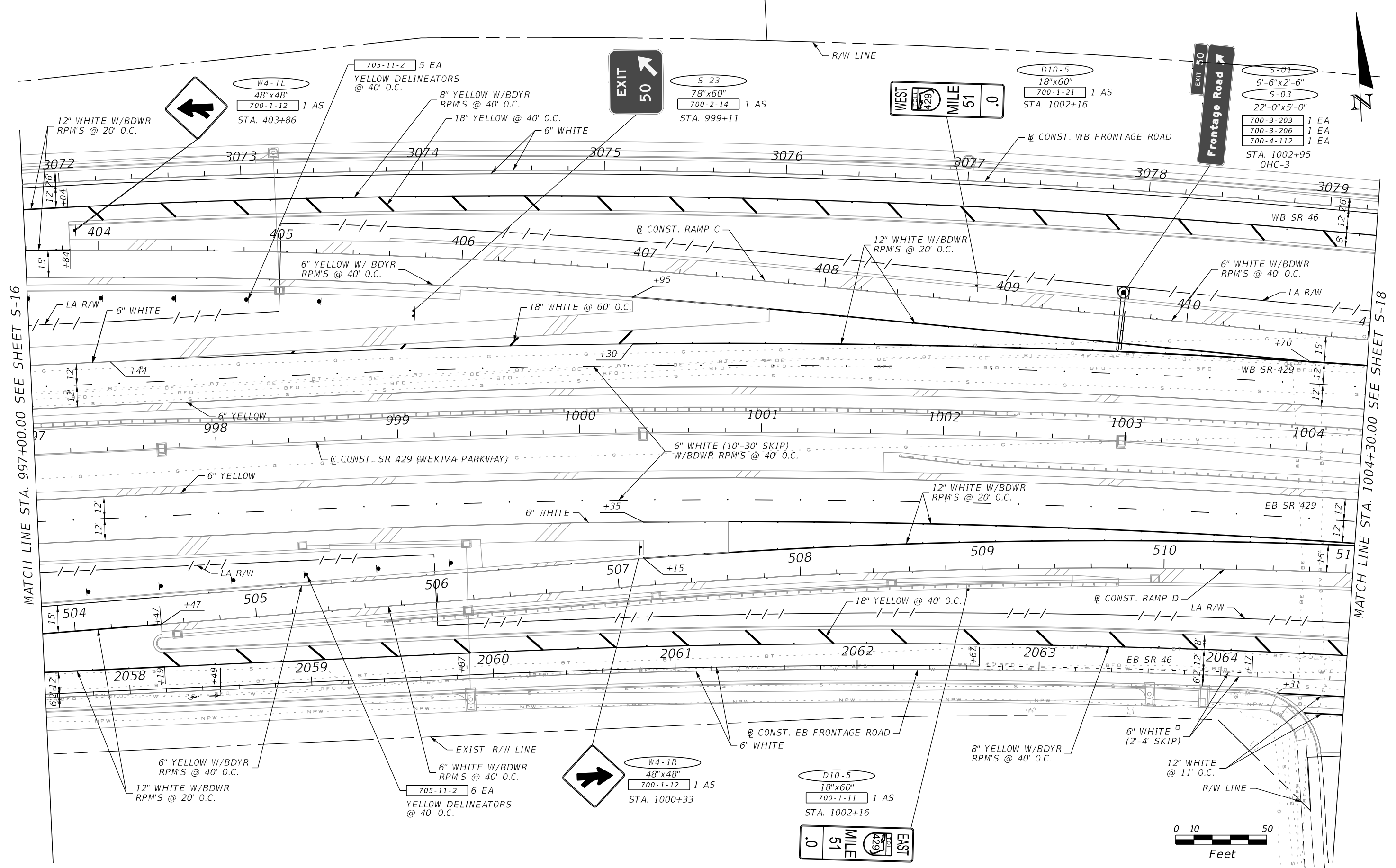
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SIGNING AND MARKING PLAN

SHEET NO.
S-16

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



MATCH LINE STA. 997+00.00 SEE SHEET S-16

MATCH LINE STA. 1004+30.00 SEE SHEET S-18

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

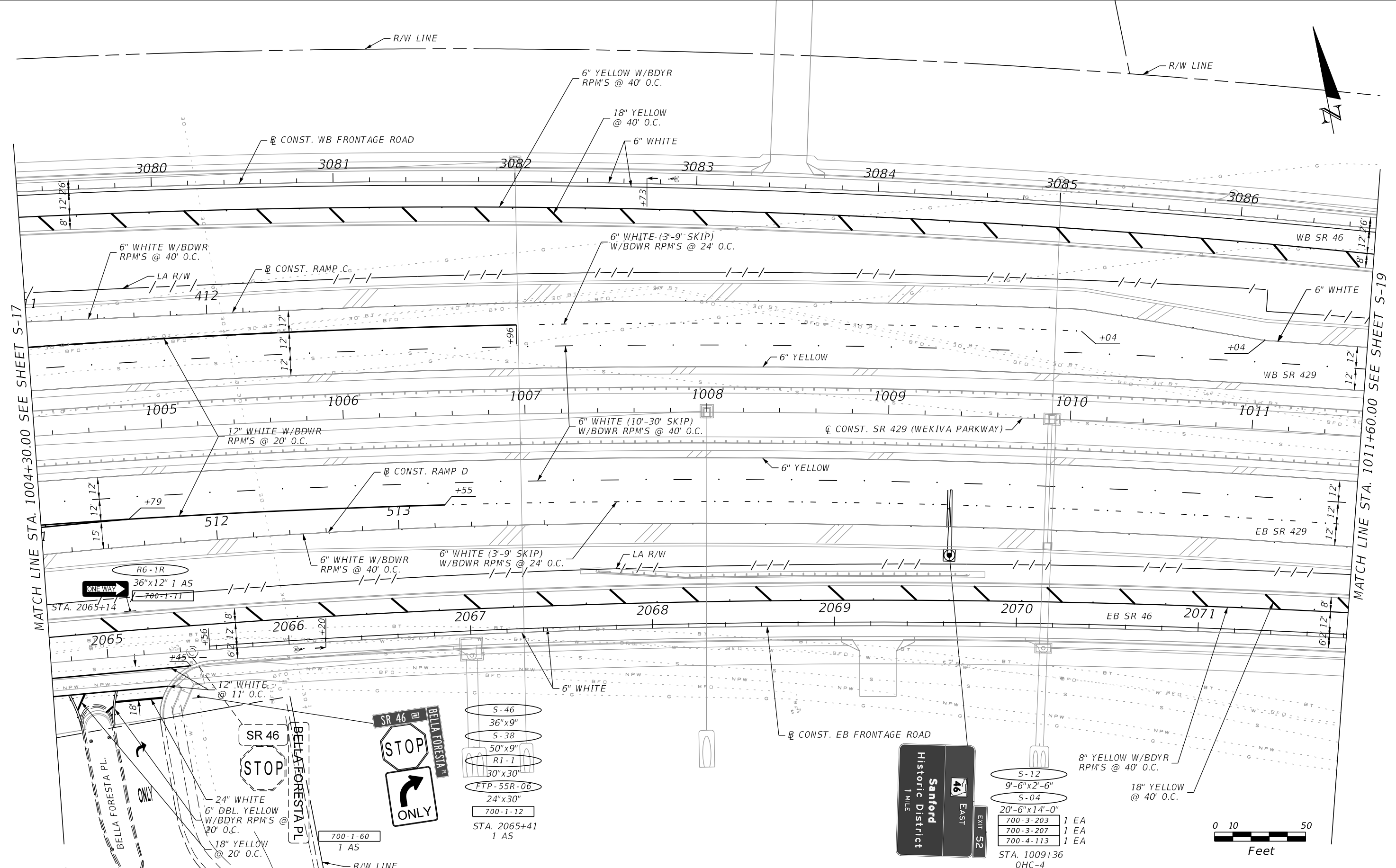
SUSANNE S. HERTZ, P.E. PE No. 49486
 Traffic Engineering Data Solutions, Inc.
 80 Spring Vista Drive Phone: 386.753.0558
 DeBary, FL 32713 Fax: 386.753.0778
 CERTIFICATION OF AUTHORIZATION # 27392

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
429	SEMINOLE	240200-2-52-01

SIGNING AND MARKING PLAN

SHEET NO.
S-17

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

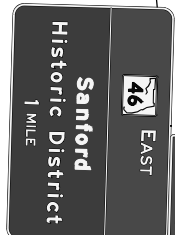


MATCH LINE STA. 1004+30.00 SEE SHEET S-17

MATCH LINE STA. 1011+60.00 SEE SHEET S-19



- S-46 36"x9"
- S-38 50"x9"
- R1-1 30"x30"
- FTP-55R-06 24"x30"
- 700-1-12 1 AS
- STA. 2065+41



- S-12 9'-6"x2'-6"
- S-04 20'-6"x14'-0"

- 700-3-203 1 EA
- 700-3-207 1 EA
- 700-4-113 1 EA
- STA. 1009+36
- OHC-4



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

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ROAD NO.	COUNTY	FINANCIAL PROJECT ID
429	SEMINOLE	240200-2-52-01

SIGNING AND MARKING PLAN

SHEET NO.
S-18

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

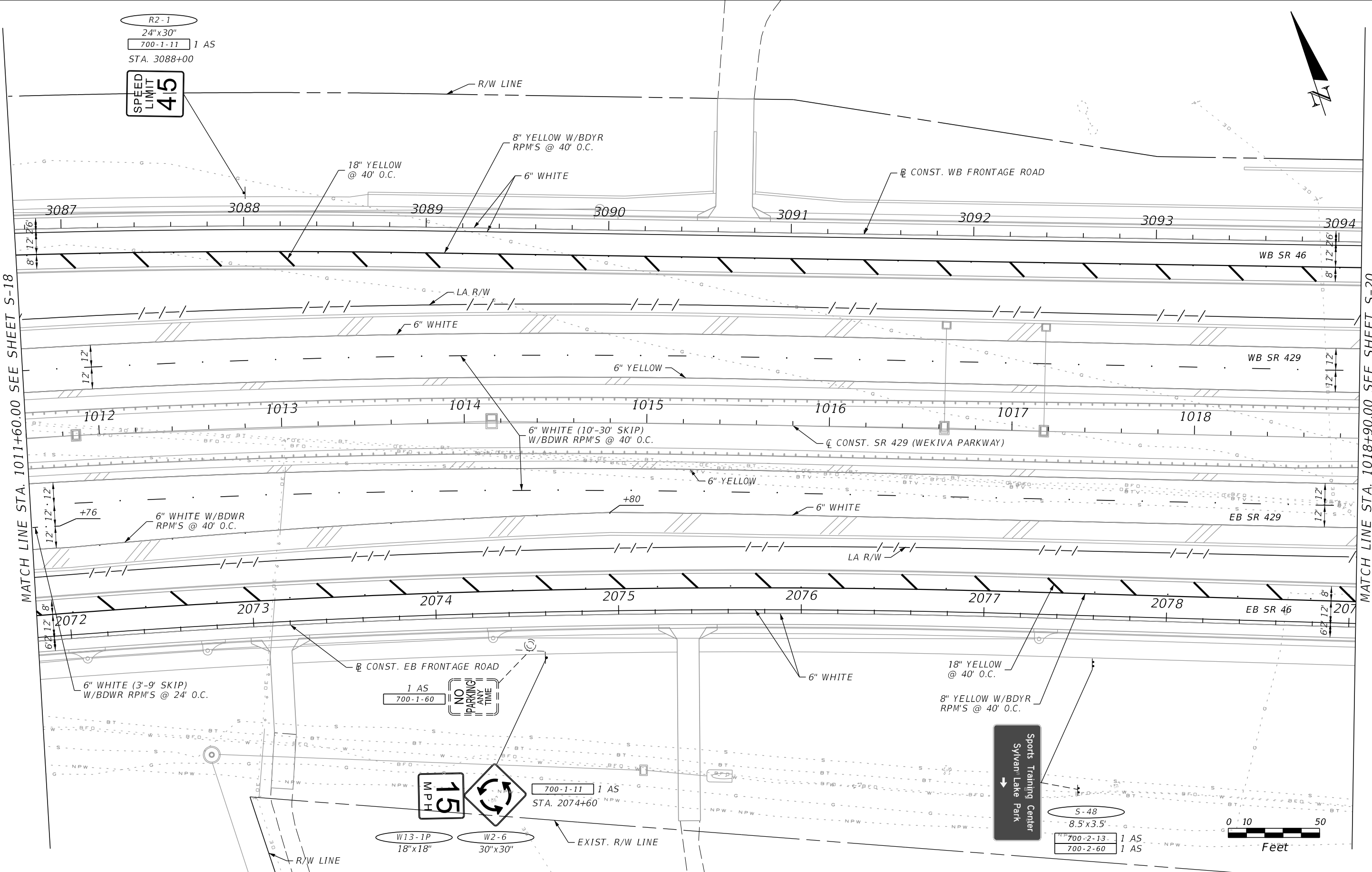
R2-1
24"x30"
700-1-11 1 AS
STA. 3088+00

SPEED
LIMIT
45

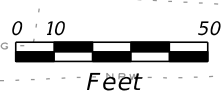


MATCH LINE STA. 1011+60.00 SEE SHEET S-18

MATCH LINE STA. 1018+90.00 SEE SHEET S-20



Sports Training Center
Sylvan Lake Park



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

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ROAD NO.	COUNTY	FINANCIAL PROJECT ID
429	SEMINOLE	240200-2-52-01

SIGNING AND MARKING PLAN

SHEET NO.
S-19

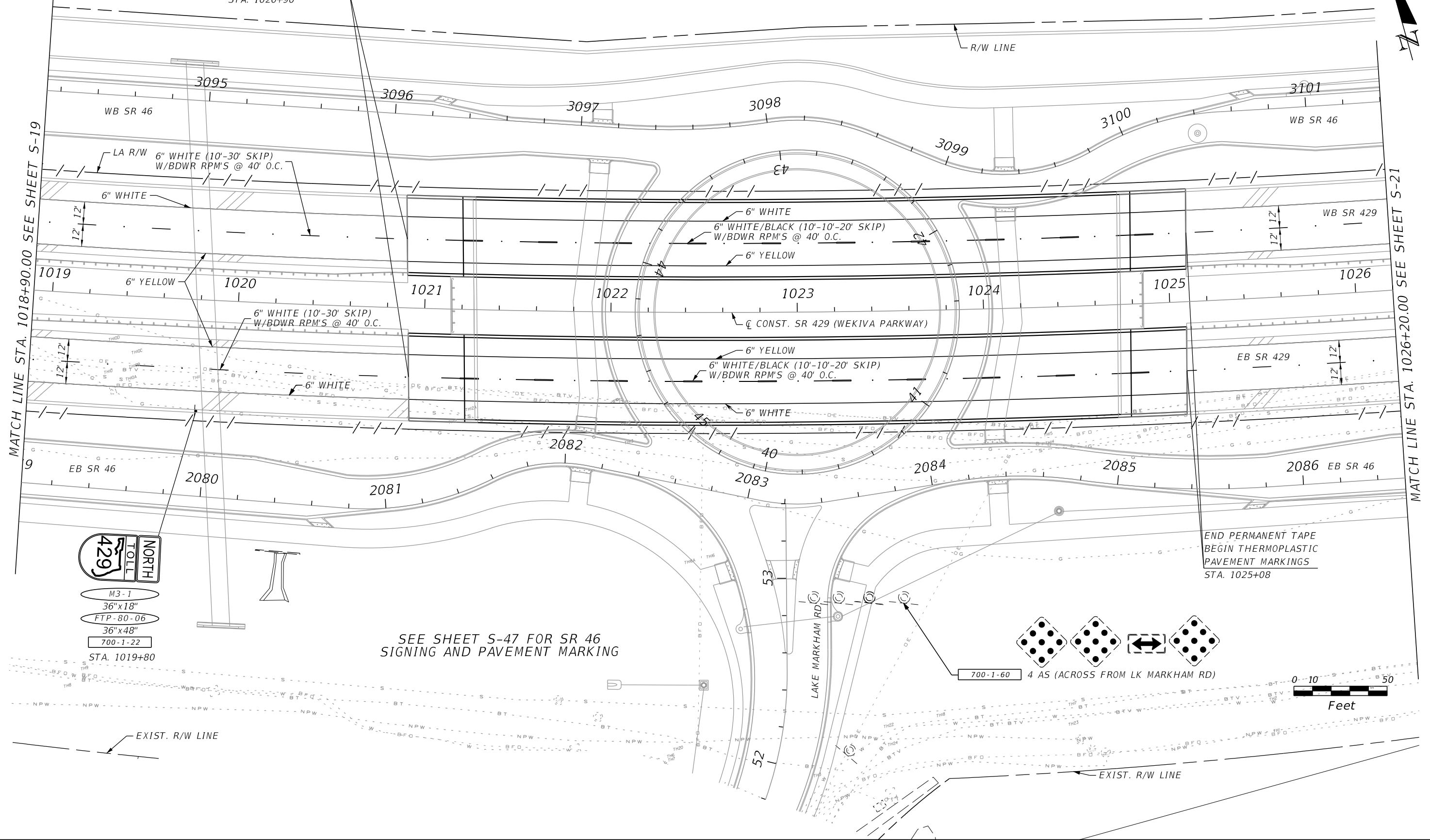
THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

BEGIN PERMANENT TAPE
END THERMOPLASTIC
PAVEMENT MARKINGS
STA. 1020+90



MATCH LINE STA. 1018+90.00 SEE SHEET S-19

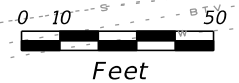
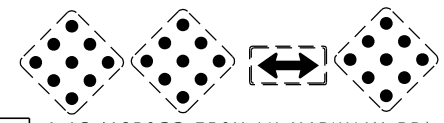
MATCH LINE STA. 1026+20.00 SEE SHEET S-21



END PERMANENT TAPE
BEGIN THERMOPLASTIC
PAVEMENT MARKINGS
STA. 1025+08

SEE SHEET S-47 FOR SR 46
SIGNING AND PAVEMENT MARKING

- NORTH
- M3-1
- 36"x18"
- FTP-80-06
- 36"x48"
- 700-1-22
- STA. 1019+80



REVISIONS			
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STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
429	SEMINOLE	240200-2-52-01

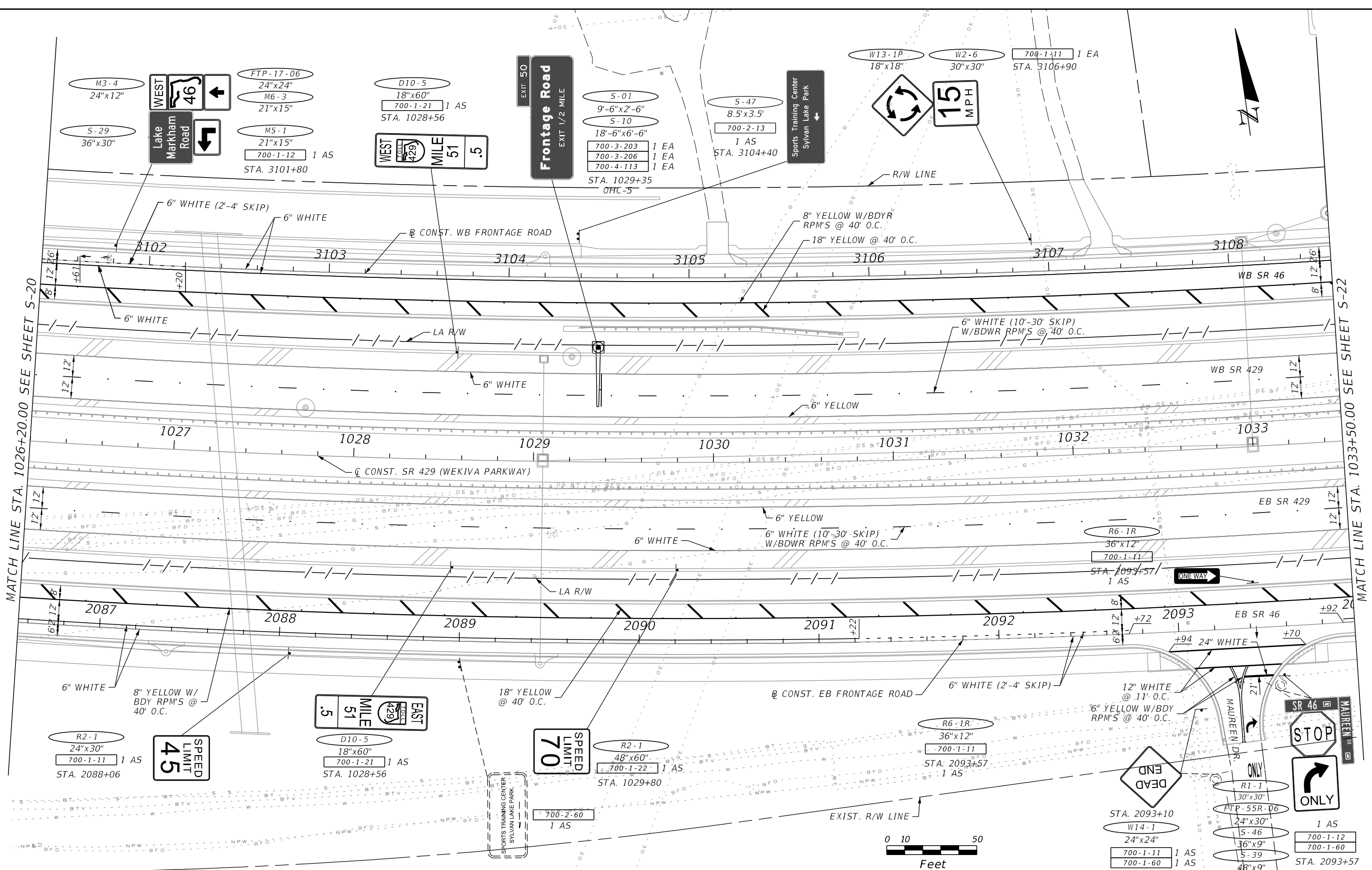
SIGNING AND MARKING PLAN

SHEET NO.
S-20

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

MATCH LINE STA. 1026+20.00 SEE SHEET S-20

MATCH LINE STA. 1033+50.00 SEE SHEET S-22



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

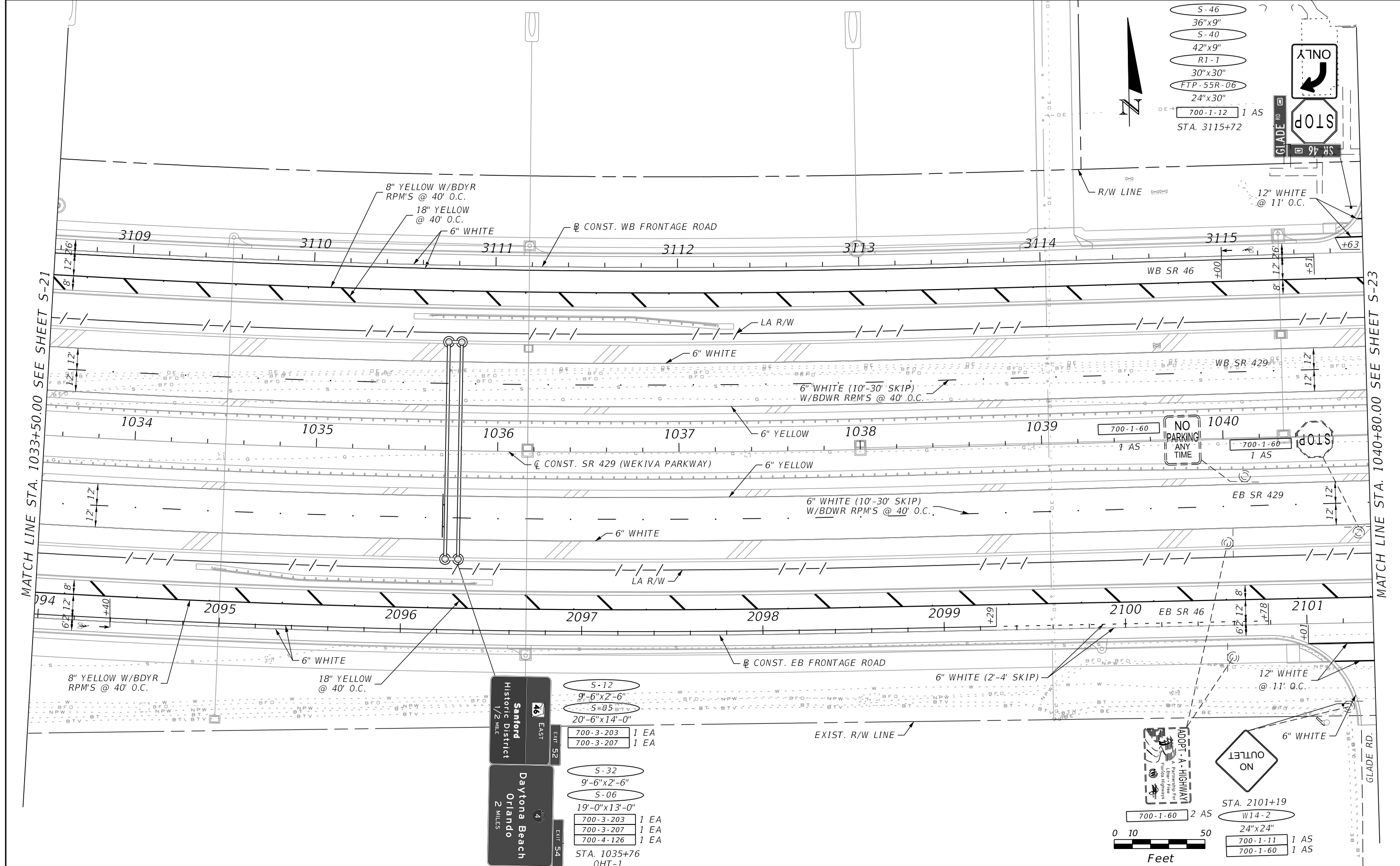
SUSANNE S. HERTZ, P.E. PE No. 49486
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STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
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429	SEMINOLE	240200-2-52-01

SIGNING AND MARKING PLAN

SHEET NO.
S-21

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



- S-46 36"x9"
- S-40 42"x9"
- R1-1 30"x30"
- FTP-55R-06 24"x30"
- 700-1-12 1 AS
- STA. 3115+72

MATCH LINE STA. 1033+50.00 SEE SHEET S-21

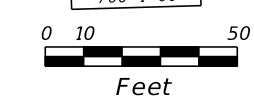
MATCH LINE STA. 1040+80.00 SEE SHEET S-23

Sanford
Historic District
1/2 MILE

Daytona Beach
Orlando
2 MILES

- S-12 9'-6"x2'-6"
- S-05 20'-6"x14'-0"
- 700-3-203 1 EA
- 700-3-207 1 EA
- S-32 9'-6"x2'-6"
- S-06 19'-0"x13'-0"
- 700-3-203 1 EA
- 700-3-207 1 EA
- 700-4-126 1 EA

STA. 1035+76
OHT-1



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

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STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
429	SEMINOLE	240200-2-52-01

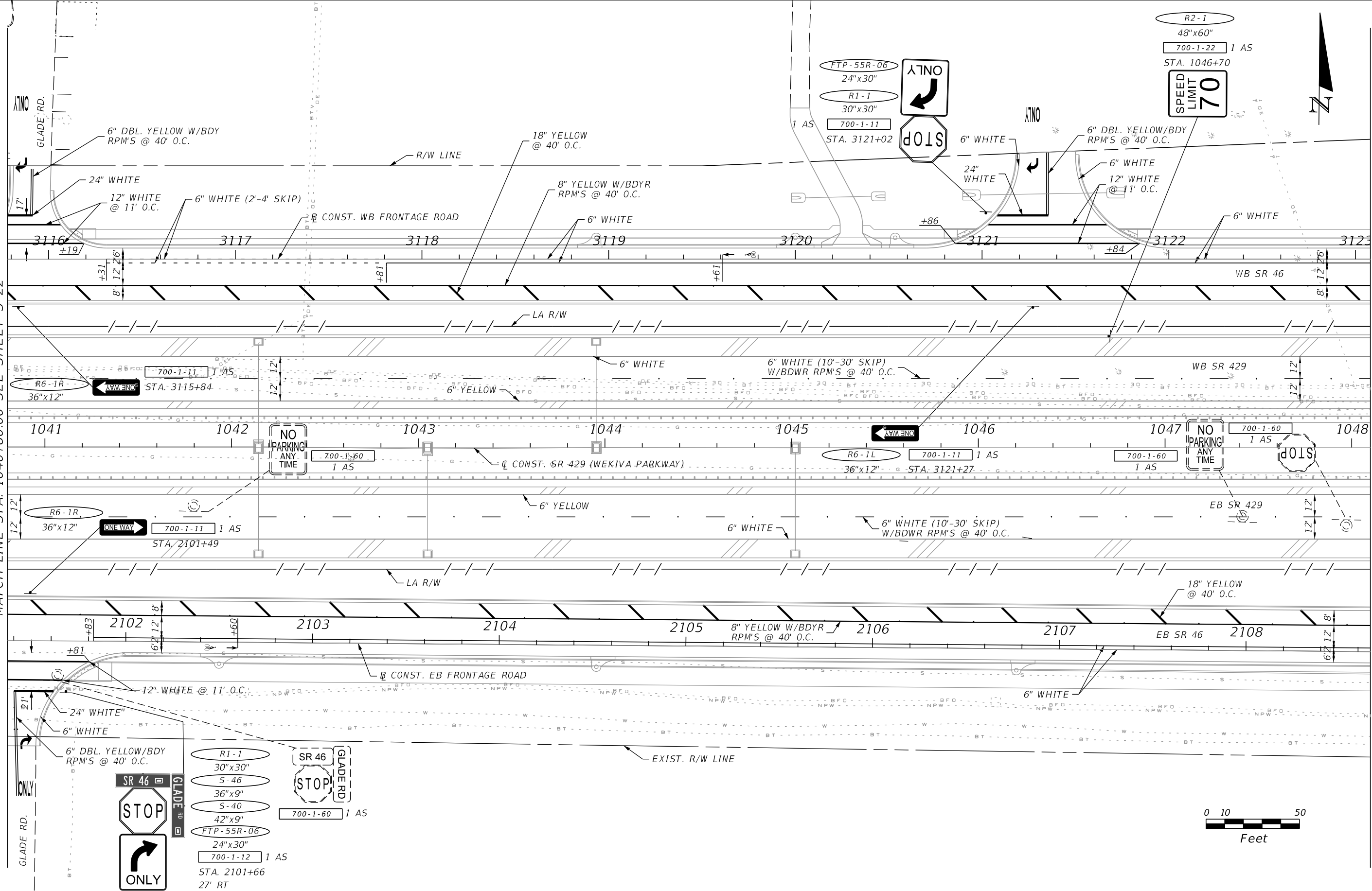
SIGNING AND MARKING PLAN

SHEET NO.
S-22

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

MATCH LINE STA. 1040+80.00 SEE SHEET S-22

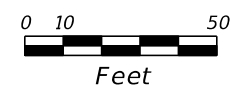
MATCH LINE STA. 1048+10.00 SEE SHEET S-24



R2-1
48"x60"
700-1-22 1 AS
STA. 1046+70
SPEED LIMIT 70

FTP-55R-06
24"x30"
R1-1
30"x30"
700-1-11 1 AS
STA. 3121+02

R1-1
30"x30"
S-46
36"x9"
S-40
42"x9"
FTP-55R-06
24"x30"
700-1-12 1 AS
STA. 2101+66
27' RT



REVISIONS			
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STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
429	SEMINOLE	240200-2-52-01

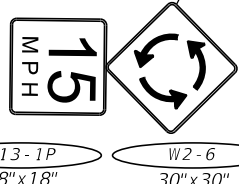
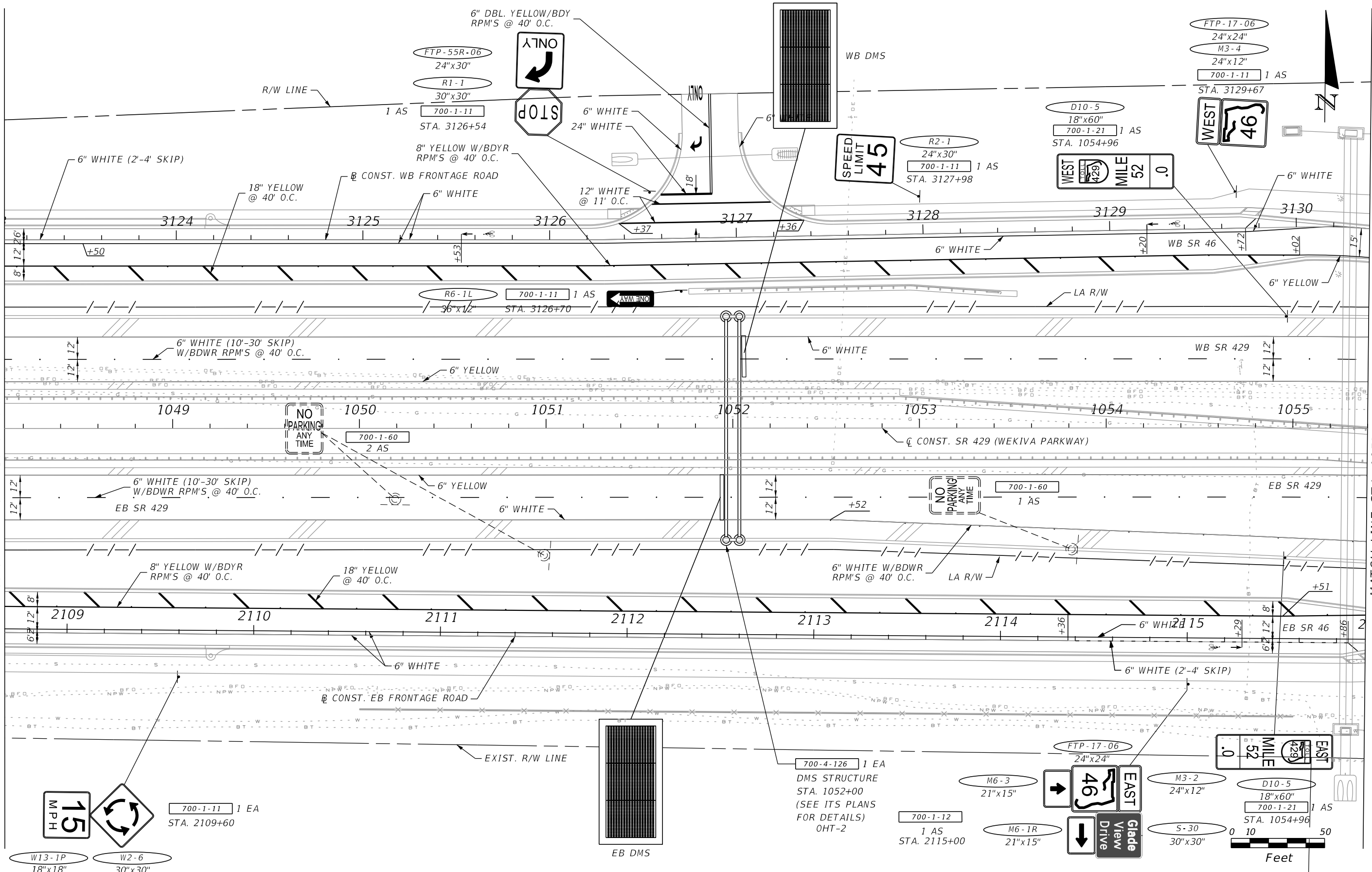
SIGNING AND MARKING PLAN

SHEET NO.
S-23

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

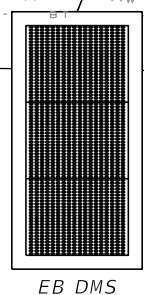
MATCH LINE STA. 1048+10.00 SEE SHEET S-23

MATCH LINE STA. 1055+40.00 SEE SHEET S-25



700-1-11 1 EA
STA. 2109+60

W13-1P 18"x18"
W2-6 30"x30"



EB DMS

700-4-126 1 EA
DMS STRUCTURE
STA. 1052+00
(SEE ITS PLANS
FOR DETAILS)
OHT-2

700-1-12 1 AS
STA. 2115+00

M6-3 21"x15"

M6-1R 21"x15"

FTP-17-06 24"x24"

M3-2 24"x12"

D10-5 18"x60"

700-1-21 1 AS
STA. 1054+96

S-30 30"x30"

0 10 50 Feet

REVISIONS

DATE	DESCRIPTION	DATE	DESCRIPTION

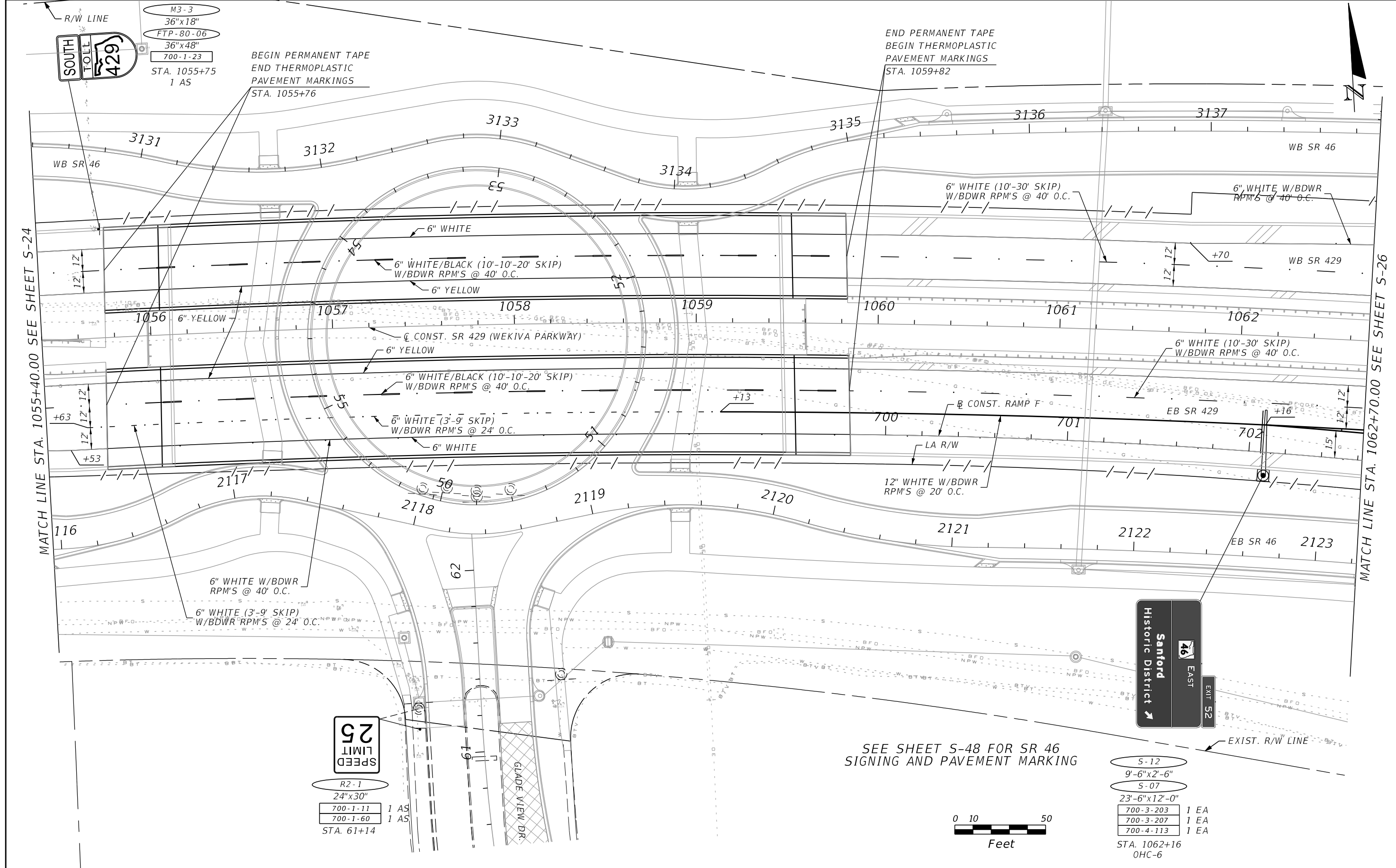
SUSANNE S. HERTZ, P.E. PE No. 49486
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429	SEMINOLE	240200-2-52-01

SIGNING AND MARKING PLAN

SHEET NO.
S-24

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MATCH LINE STA. 1055+40.00 SEE SHEET S-24

MATCH LINE STA. 1062+70.00 SEE SHEET S-26

SOUTH TOLL 429

M3-3
36"x18"
FTP-80-06
36"x48"
700-1-23
STA. 1055+75
1 AS

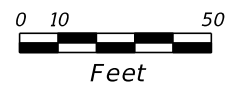
BEGIN PERMANENT TAPE
END THERMOPLASTIC
PAVEMENT MARKINGS
STA. 1055+76

END PERMANENT TAPE
BEGIN THERMOPLASTIC
PAVEMENT MARKINGS
STA. 1059+82

25
SPEED
LIMIT

R2-1
24"x30"
700-1-11 1 AS
700-1-60 1 AS
STA. 61+14

S-12
9'-6"x2'-6"
S-07
23'-6"x12'-0"
700-3-203 1 EA
700-3-207 1 EA
700-4-113 1 EA
STA. 1062+16
OHC-6



SEE SHEET S-48 FOR SR 46
SIGNING AND PAVEMENT MARKING

Sanford
Historic District

46
EAST

EXIT 52

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

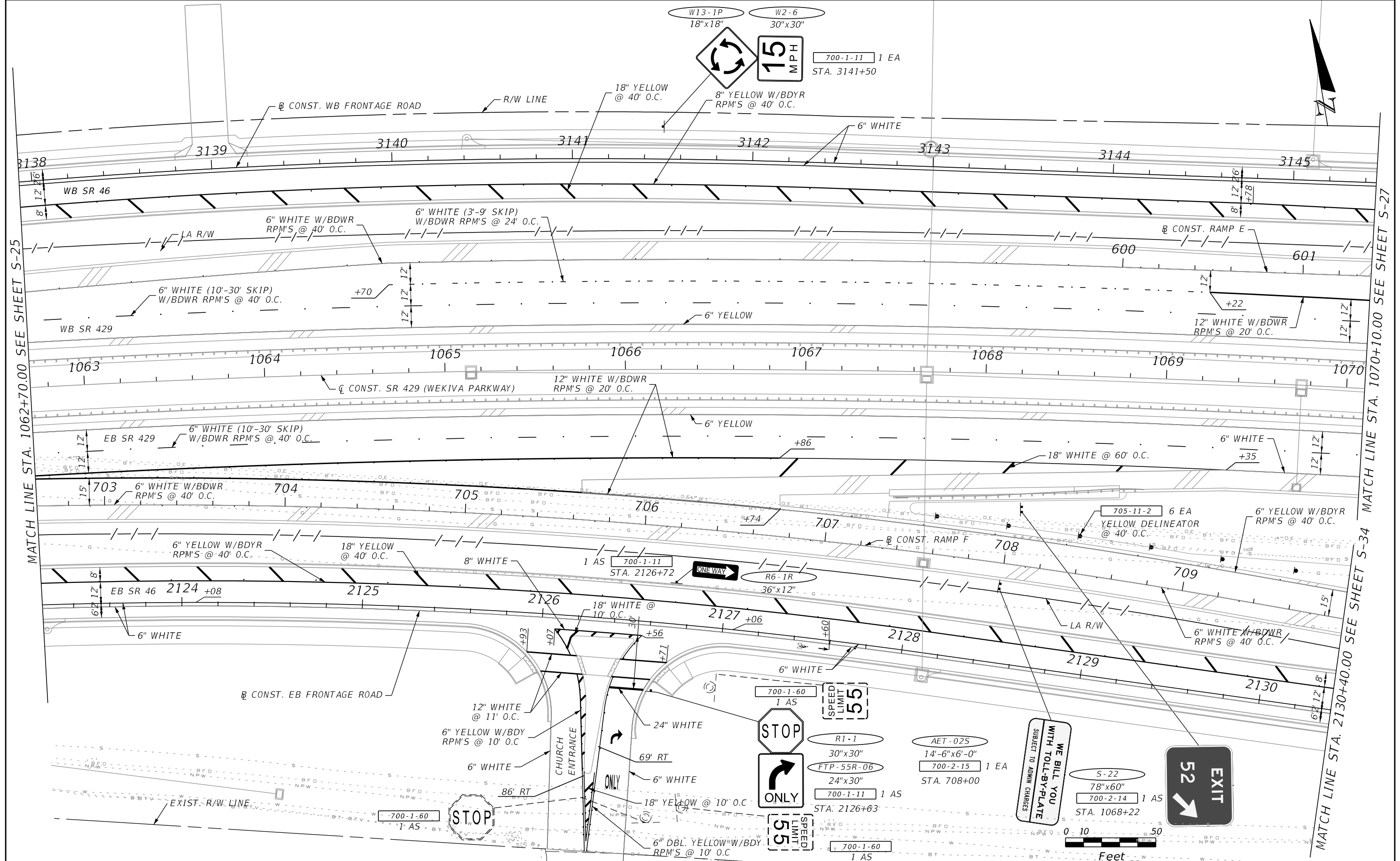
SUSANNE S. HERTZ, P.E. PE No. 49486
Traffic Engineering Data Solutions, Inc.
80 Spring Vista Drive Phone: 386.753.0558
DeBary, FL 32713 Fax: 386.753.0778
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STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
429	SEMINOLE	240200-2-52-01

SIGNING AND MARKING PLAN

SHEET NO.
S-25

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MATCH LINE STA. 1062+70.00 SEE SHEET S-25

MATCH LINE STA. 1070+10.00 SEE SHEET S-27

MATCH LINE STA. 2130+40.00 SEE SHEET S-34

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

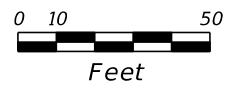
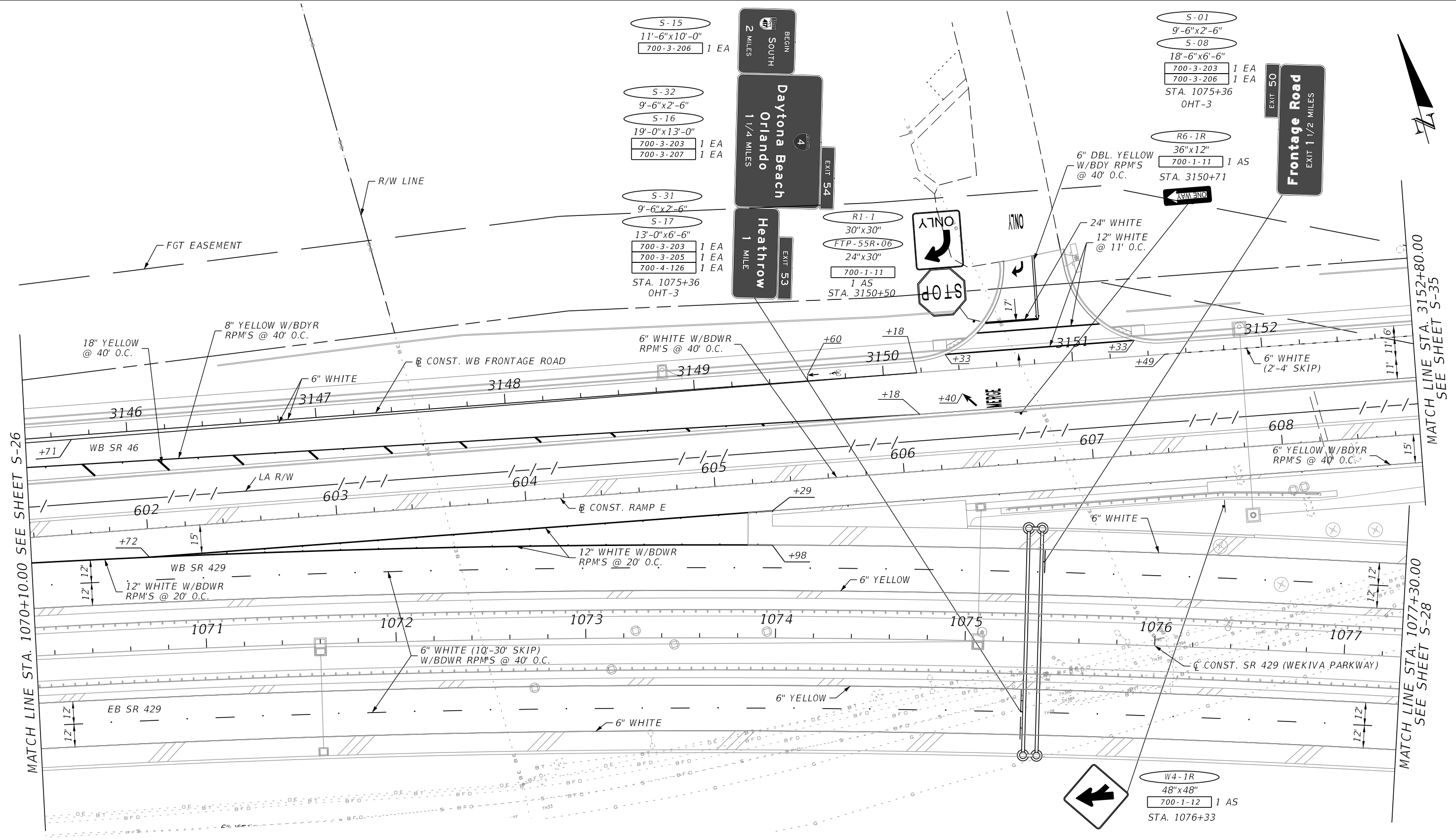
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429	SEMINOLE	240200-2-52-01

SIGNING AND MARKING PLAN

SHEET NO.
S-26

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REVISIONS			
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429	SEMINOLE	240200-2-52-01

SIGNING AND MARKING PLAN

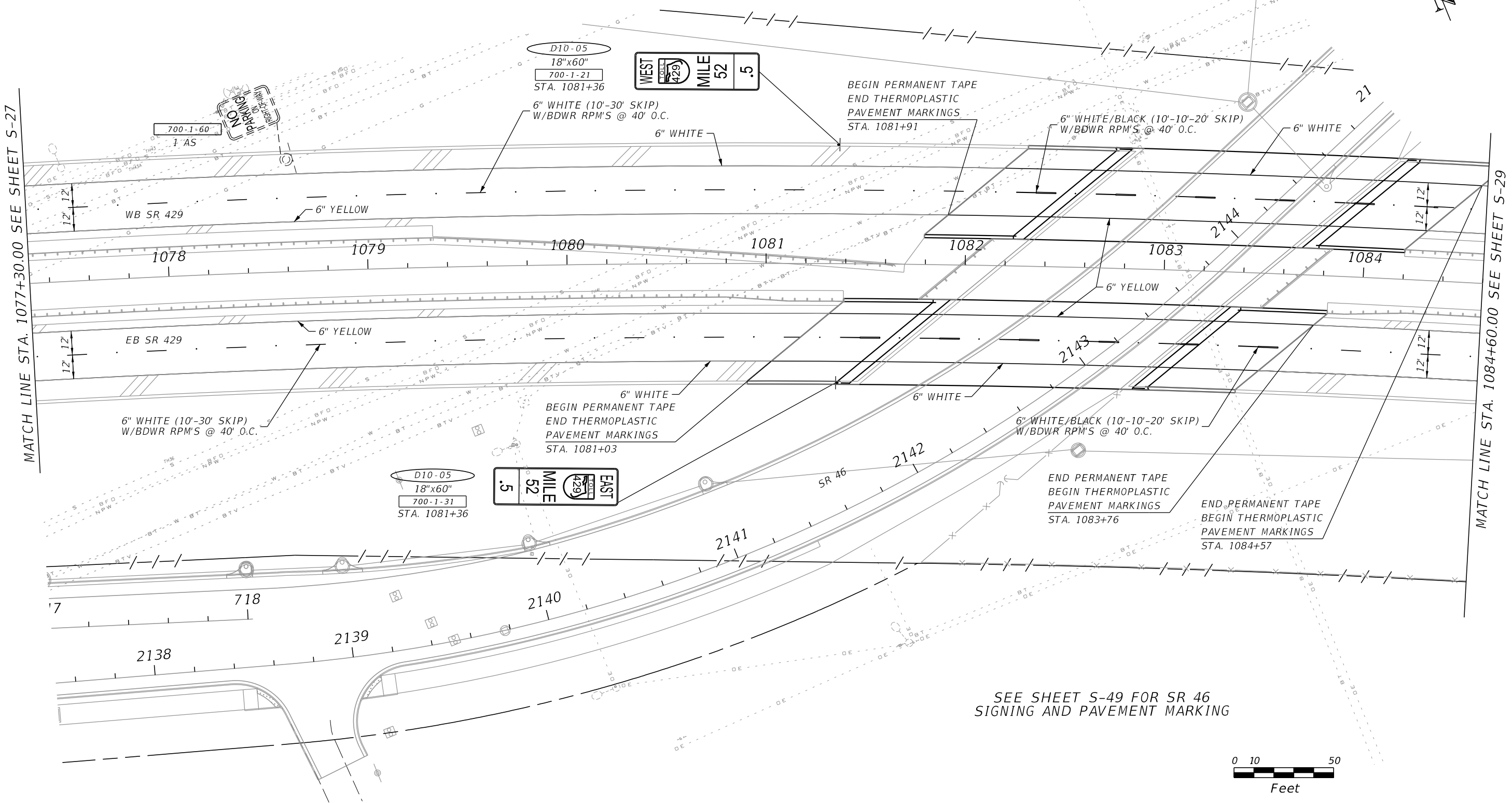
SHEET NO.
S-27

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

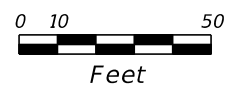


MATCH LINE STA. 1077+30.00 SEE SHEET S-27

MATCH LINE STA. 1084+60.00 SEE SHEET S-29



SEE SHEET S-49 FOR SR 46
SIGNING AND PAVEMENT MARKING



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

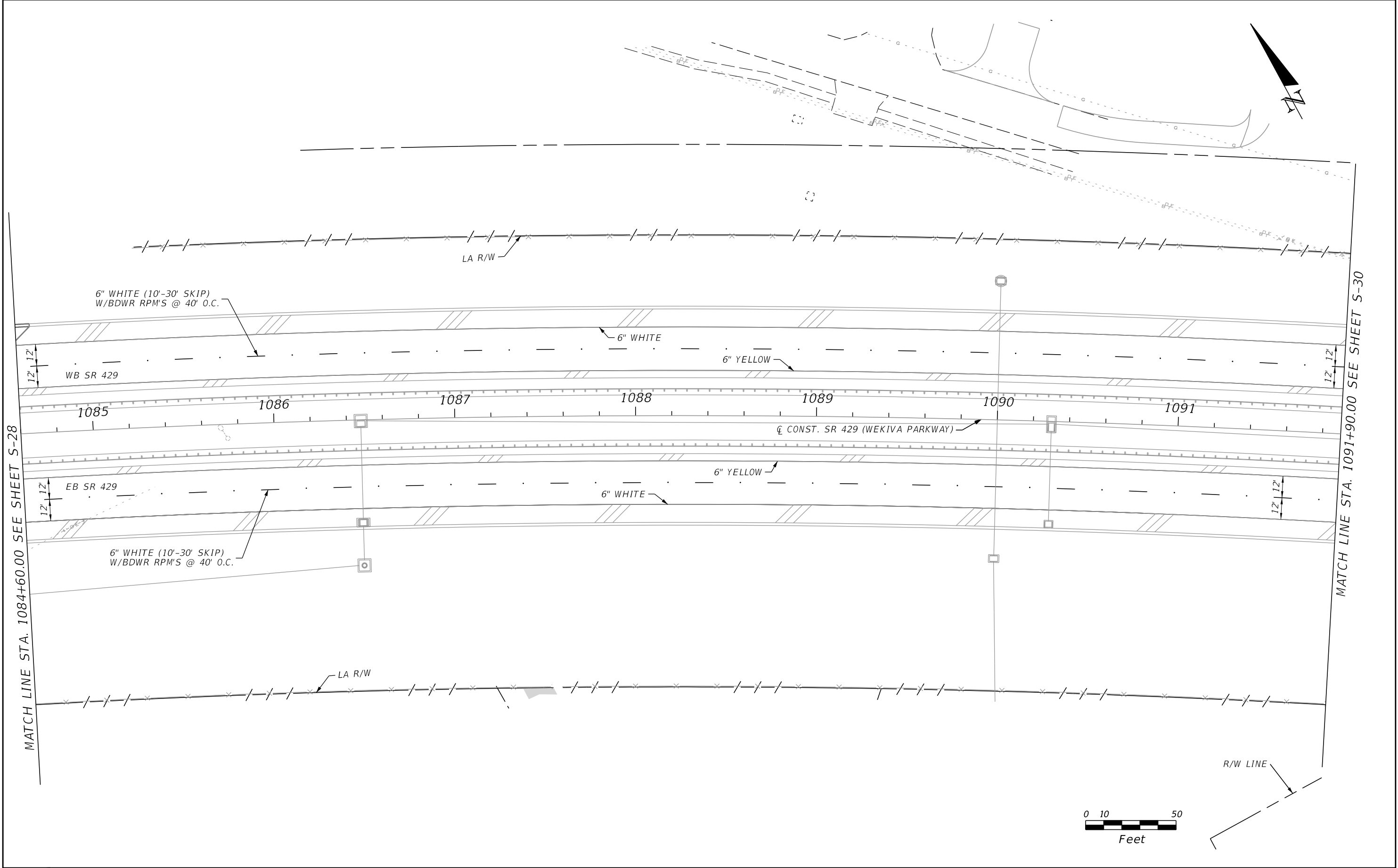
SUSANNE S. HERTZ, P.E. PE No. 49486
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429	SEMINOLE	240200-2-52-01

SIGNING AND MARKING PLAN

SHEET NO.
S-28

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MATCH LINE STA. 1084+60.00 SEE SHEET S-28

MATCH LINE STA. 1091+90.00 SEE SHEET S-30

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

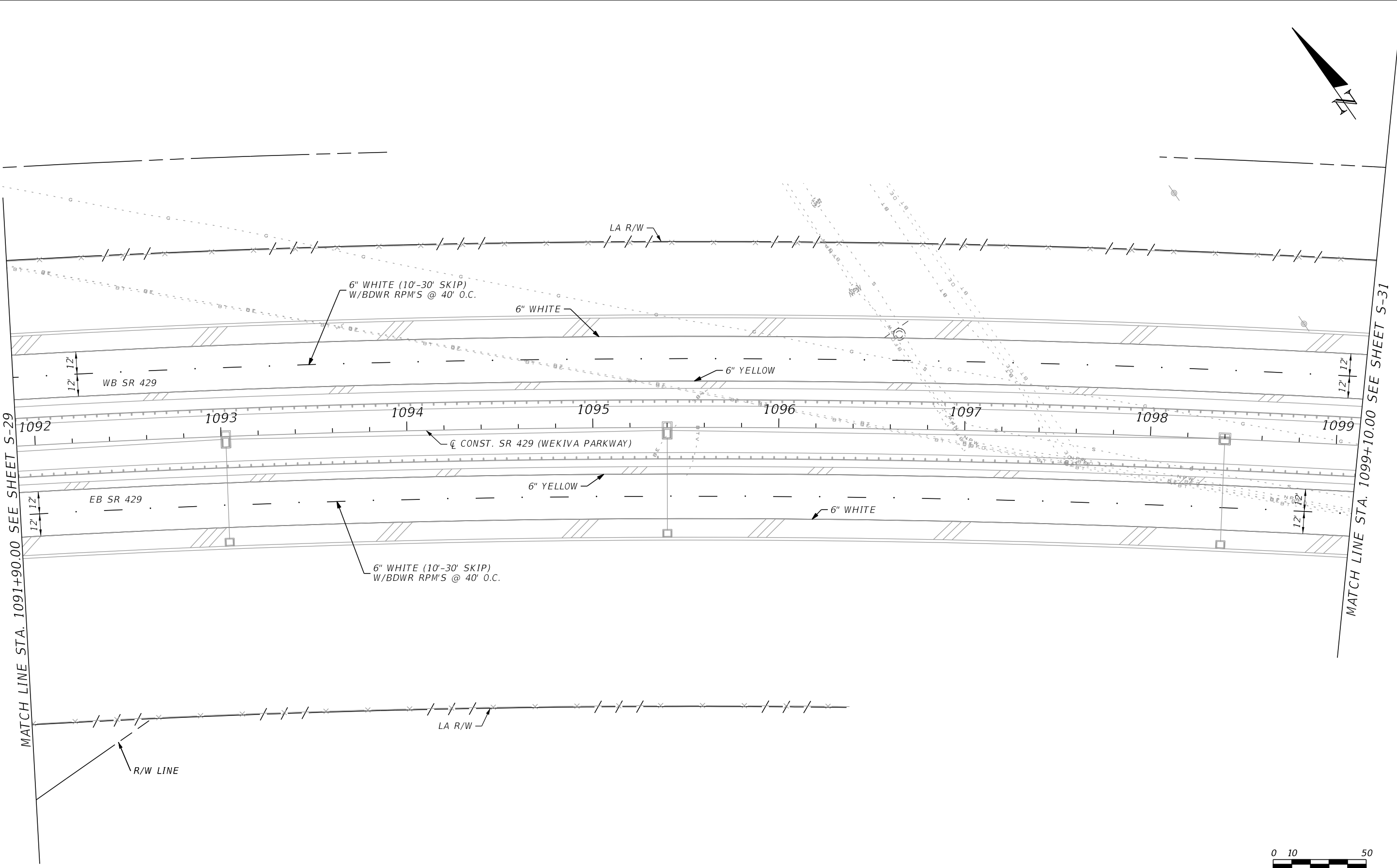
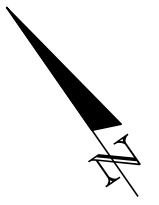
SUSANNE S. HERTZ, P.E. PE No. 49486
 Traffic Engineering Data Solutions, Inc.
 80 Spring Vista Drive Phone: 386.753.0558
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429	SEMINOLE	240200-2-52-01

SIGNING AND MARKING PLAN

SHEET NO.
S-29

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REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

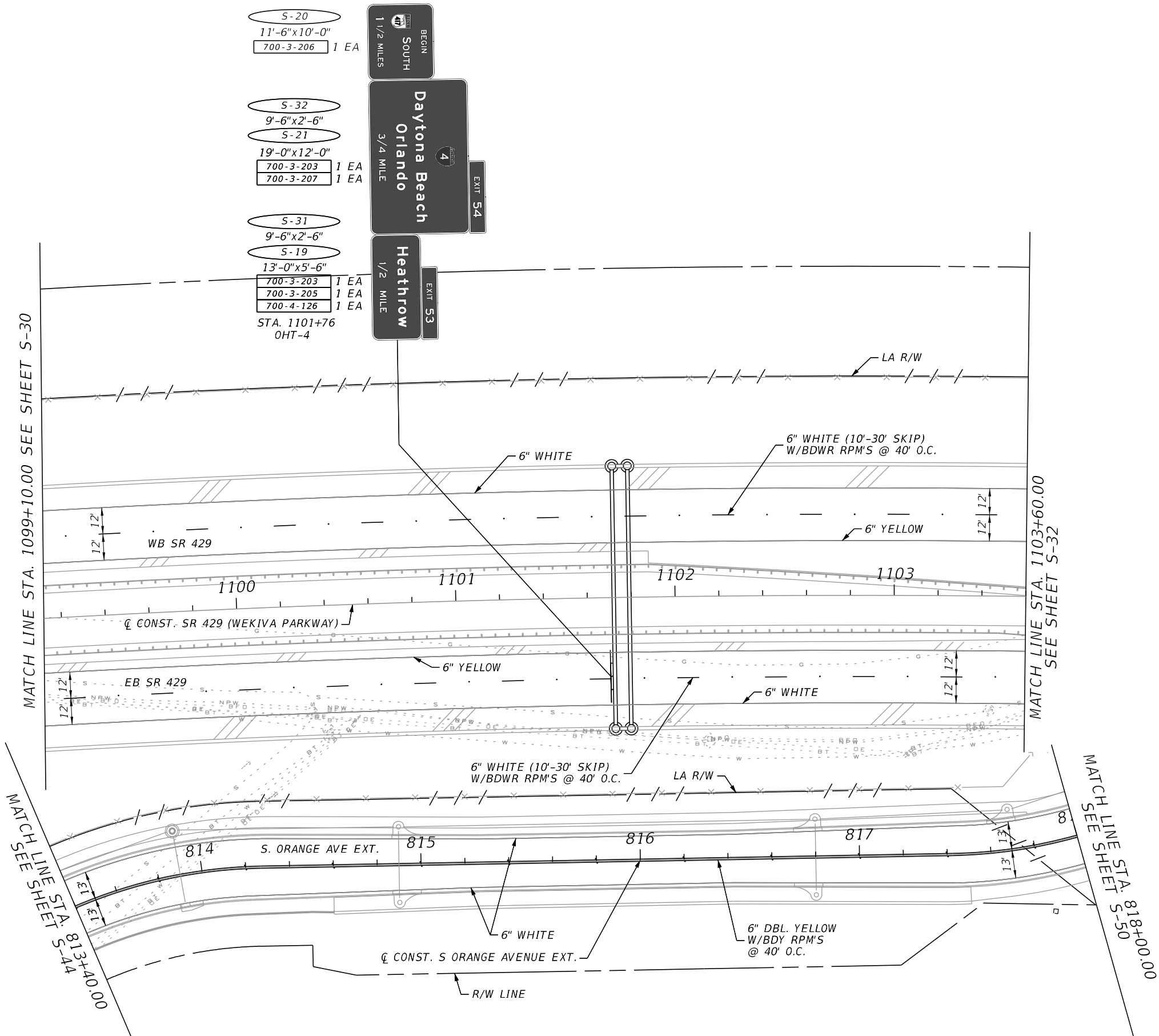
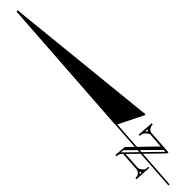
SUSANNE S. HERTZ, P.E. PE No. 49486
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429	SEMINOLE	240200-2-52-01

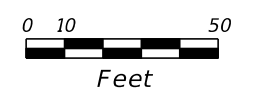
SIGNING AND MARKING PLAN

SHEET NO.
S-30

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- S-20
11'-6" x 10'-0"
700-3-206 1 EA
 - S-32
9'-6" x 2'-6"
 - S-21
19'-0" x 12'-0"
700-3-203 1 EA
700-3-207 1 EA
 - S-31
9'-6" x 2'-6"
 - S-19
13'-0" x 5'-6"
700-3-203 1 EA
700-3-205 1 EA
700-4-126 1 EA
- STA. 1101+76
OHT-4



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

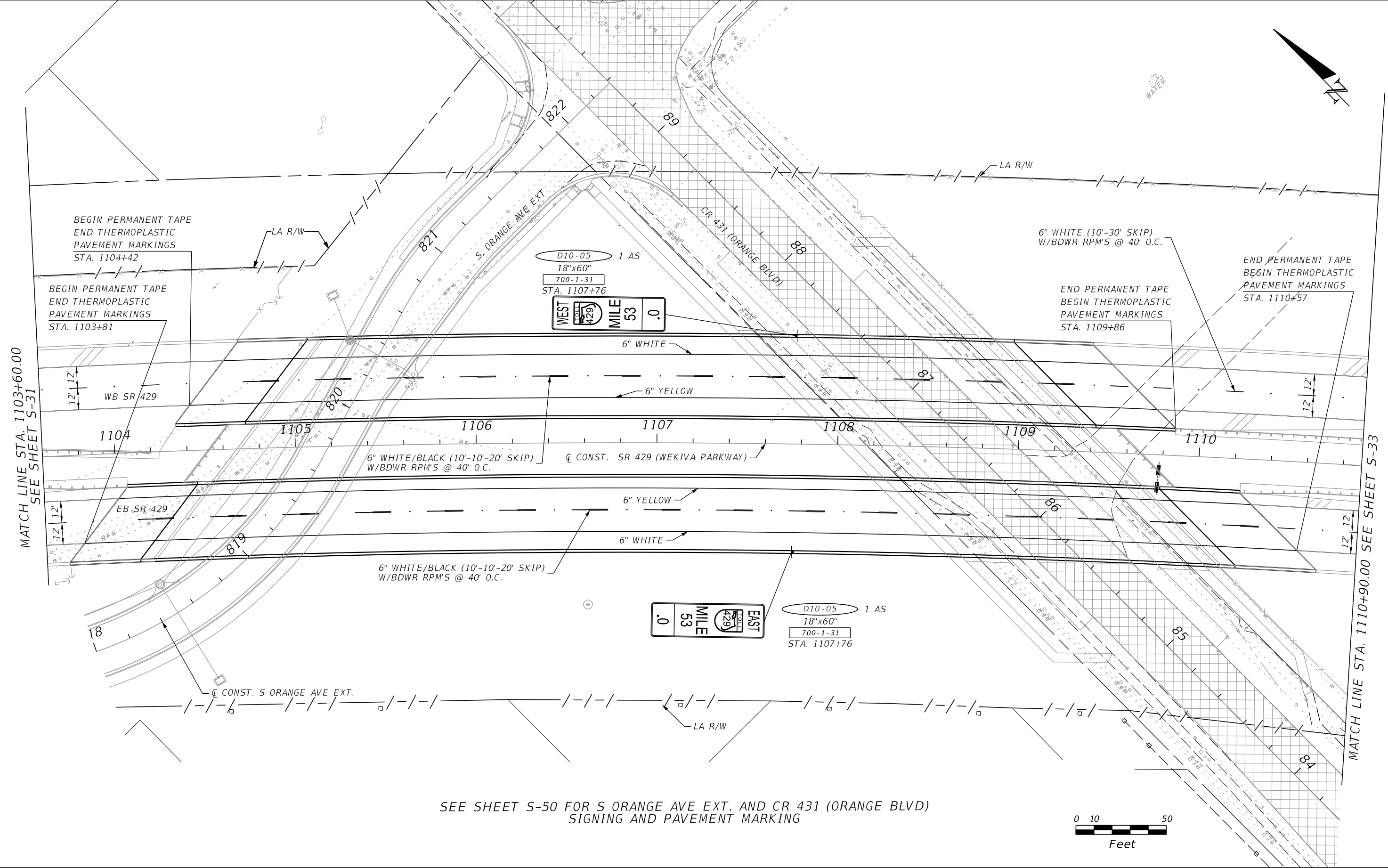
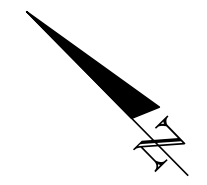
SUSANNE S. HERTZ, P.E. PE No. 49486
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429	SEMINOLE	240200-2-52-01

SIGNING AND MARKING PLAN

SHEET NO.
S-31

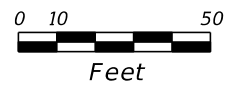
THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.



MATCH LINE STA. 1103+60.00
SEE SHEET S-31

MATCH LINE STA. 1110+90.00 SEE SHEET S-33

SEE SHEET S-50 FOR S ORANGE AVE EXT. AND CR 431 (ORANGE BLVD)
SIGNING AND PAVEMENT MARKING



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

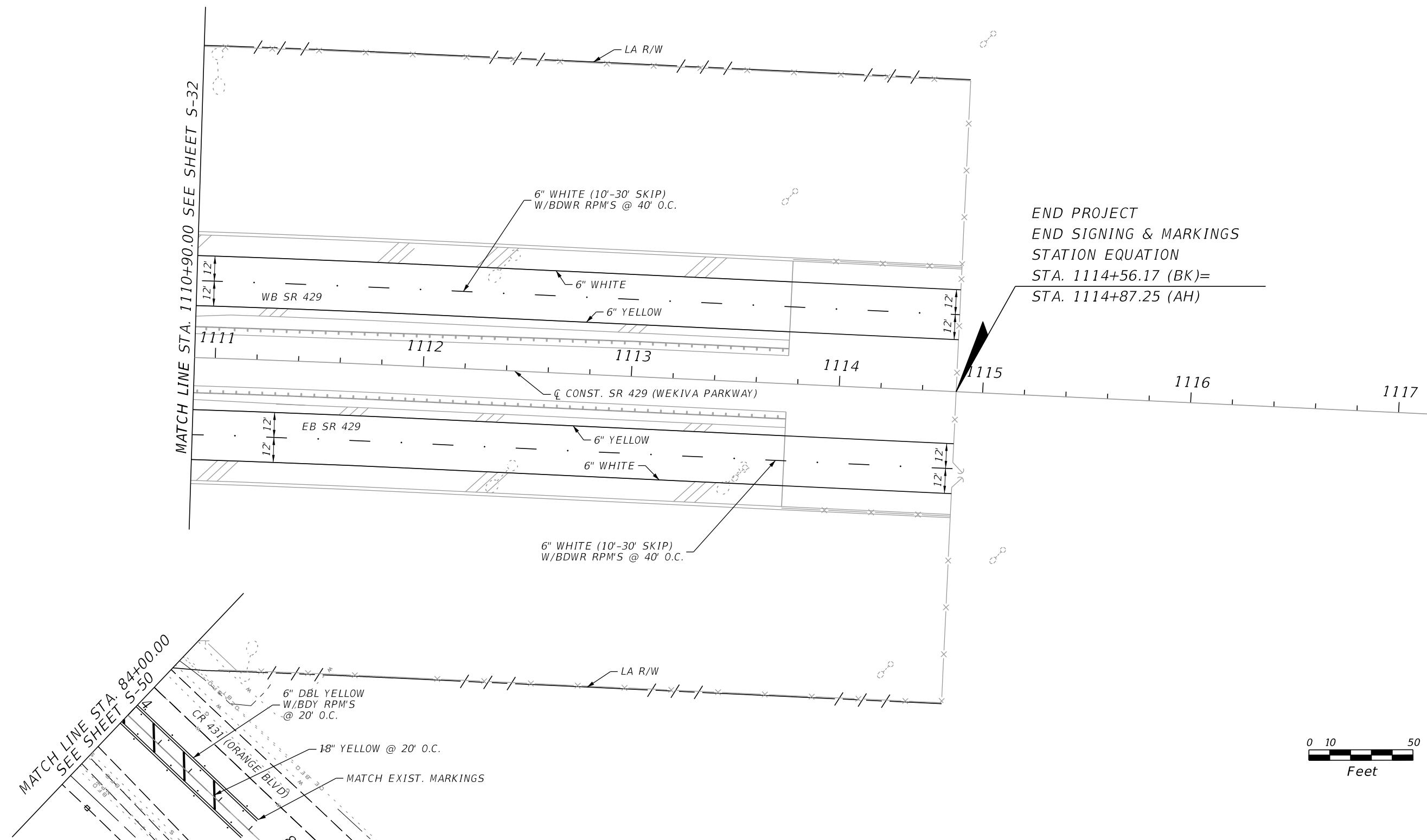
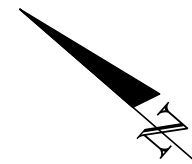
SUSANNE S. HERTZ, P.E. PE No. 49486
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STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
429	SEMINOLE	240200-2-52-01

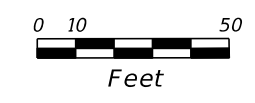
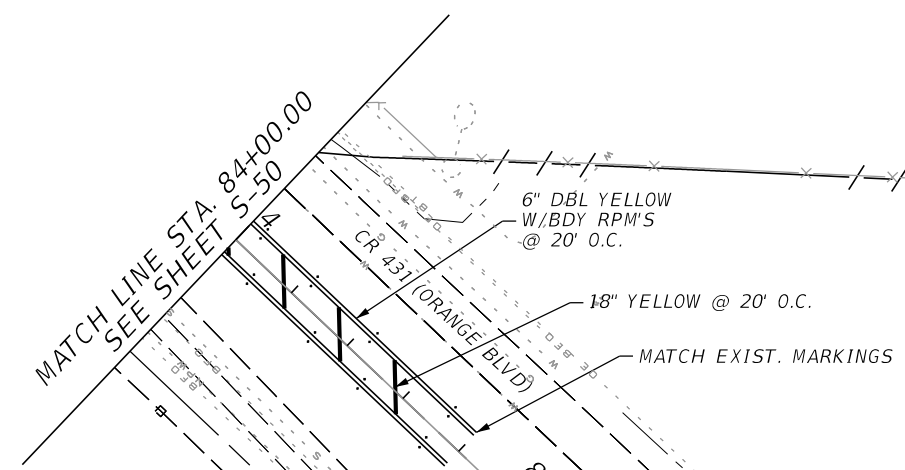
SIGNING AND MARKING PLAN

SHEET NO.
S-32

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



END PROJECT
 END SIGNING & MARKINGS
 STATION EQUATION
 STA. 1114+56.17 (BK)=
 STA. 1114+87.25 (AH)



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

SUSANNE S. HERTZ, P.E. PE No. 49486
 Traffic Engineering Data Solutions, Inc.
 80 Spring Vista Drive Phone: 386.753.0558
 DeBary, FL 32713 Fax: 386.753.0778
 CERTIFICATION OF AUTHORIZATION # 27392

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
429	SEMINOLE	240200-2-52-01

SIGNING AND MARKING PLAN

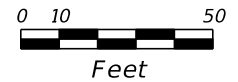
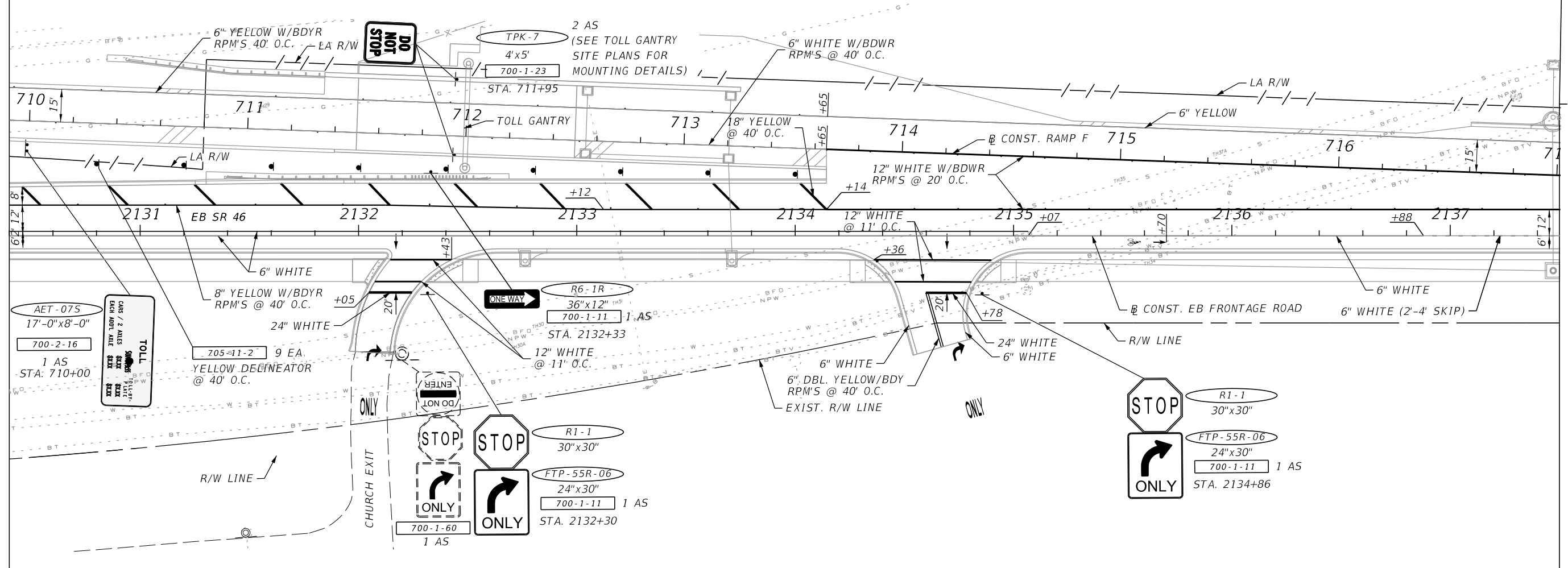
SHEET NO.
S-33

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MATCH LINE STA. 2130+40.00
SEE SHEET S-26

MATCH LINE STA. 2137+50.00
SEE SHEET S-49



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

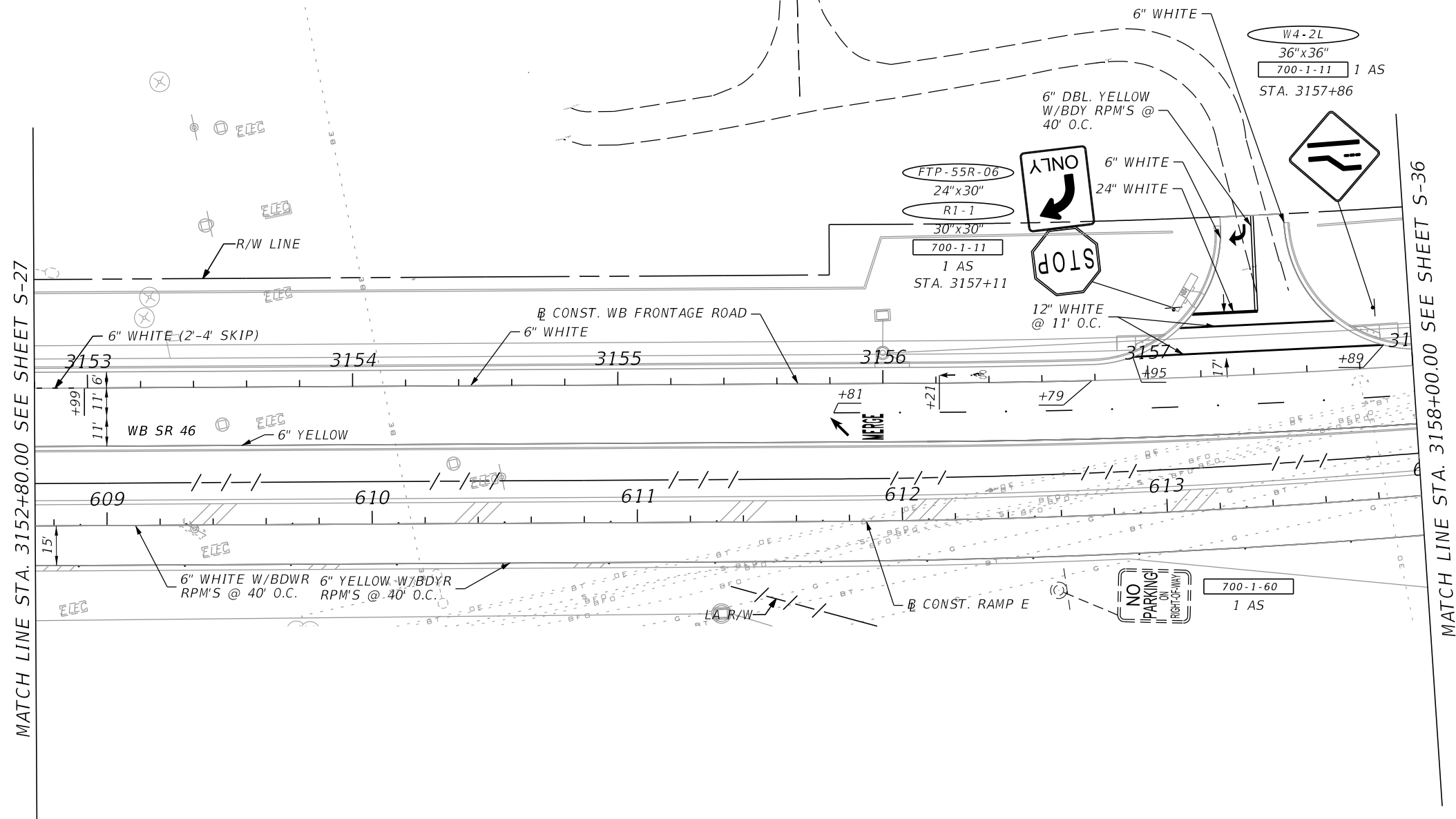
SUSANNE S. HERTZ, P.E. PE No. 49486
 Traffic Engineering Data Solutions, Inc.
 80 Spring Vista Drive Phone: 386.753.0558
 DeBary, FL 32713 Fax: 386.753.0778
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STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
429	SEMINOLE	240200-2-52-01

SIGNING AND MARKING PLAN

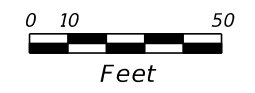
SHEET NO.
S-34

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



MATCH LINE STA. 3152+80.00 SEE SHEET S-27

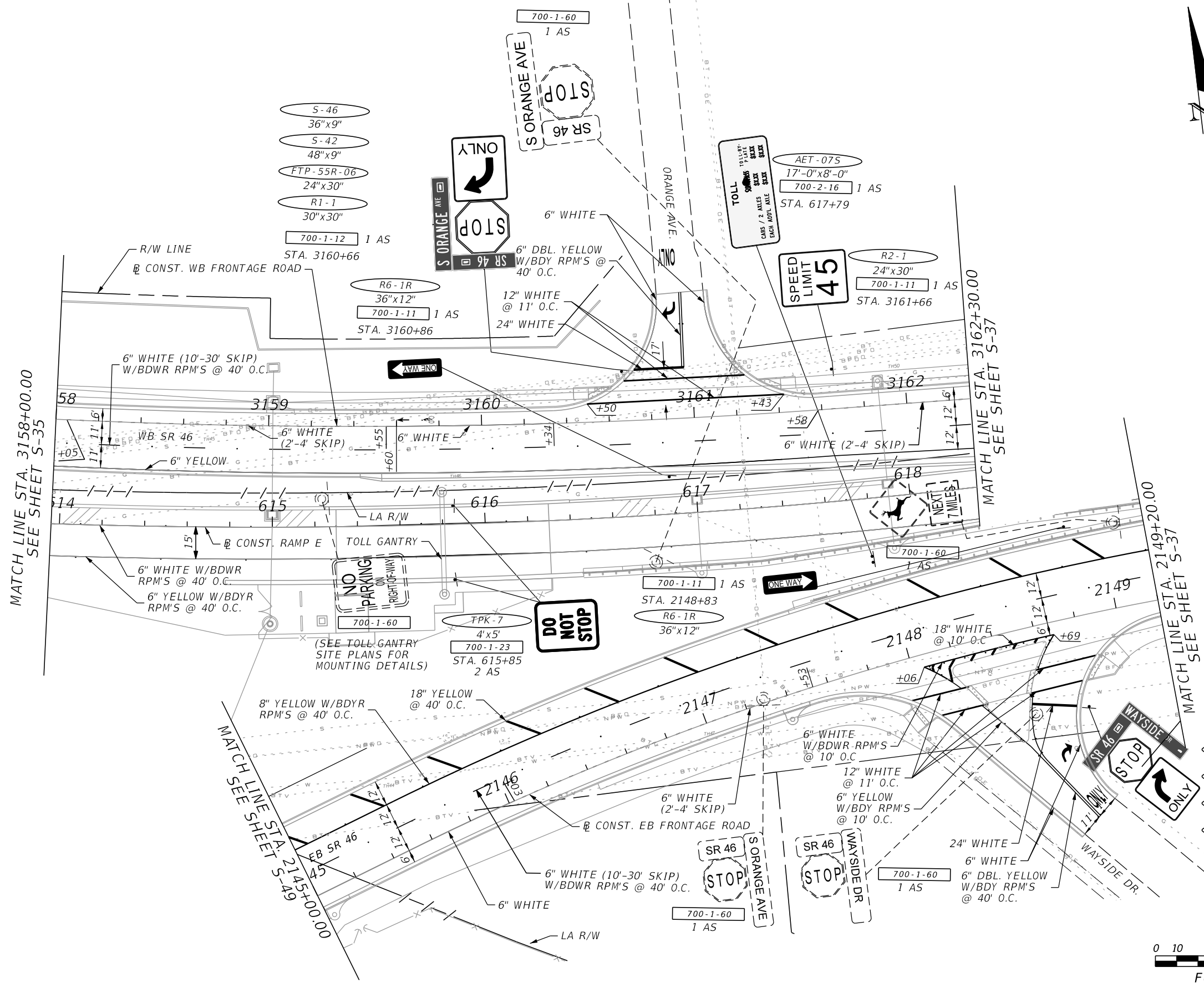
MATCH LINE STA. 3158+00.00 SEE SHEET S-36



REVISIONS				SUSANNE S. HERTZ, P.E. PE No. 49486 Traffic Engineering Data Solutions, Inc. 80 Spring Vista Drive Phone: 386.753.0558 DeBary, FL 32713 Fax: 386.753.0778 CERTIFICATION OF AUTHORIZATION # 27392	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			SHEET NO. S-35
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID	
					429	SEMINOLE	240200-2-52-01	

SIGNING AND MARKING PLAN

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

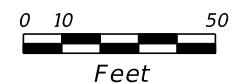


MATCH LINE STA. 3158+00.00
SEE SHEET S-35

MATCH LINE STA. 3162+30.00
SEE SHEET S-37

MATCH LINE STA. 2149+20.00
SEE SHEET S-37

MATCH LINE STA. 2145+00.00
SEE SHEET S-34



- S-46
36"x9"
- S-41
48"x9"
- R1-1
30"x30"
- FTP-55R-06
24"x30"
- 700-1-12
1 AS
STA. 2148+77

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

SUSANNE S. HERTZ, P.E. PE No. 49486
 Traffic Engineering Data Solutions, Inc.
 80 Spring Vista Drive Phone: 386.753.0558
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 CERTIFICATION OF AUTHORIZATION # 27392

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
429	SEMINOLE	240200-2-52-01

SIGNING AND MARKING PLAN

SHEET NO.
S-36

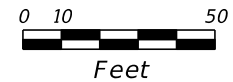
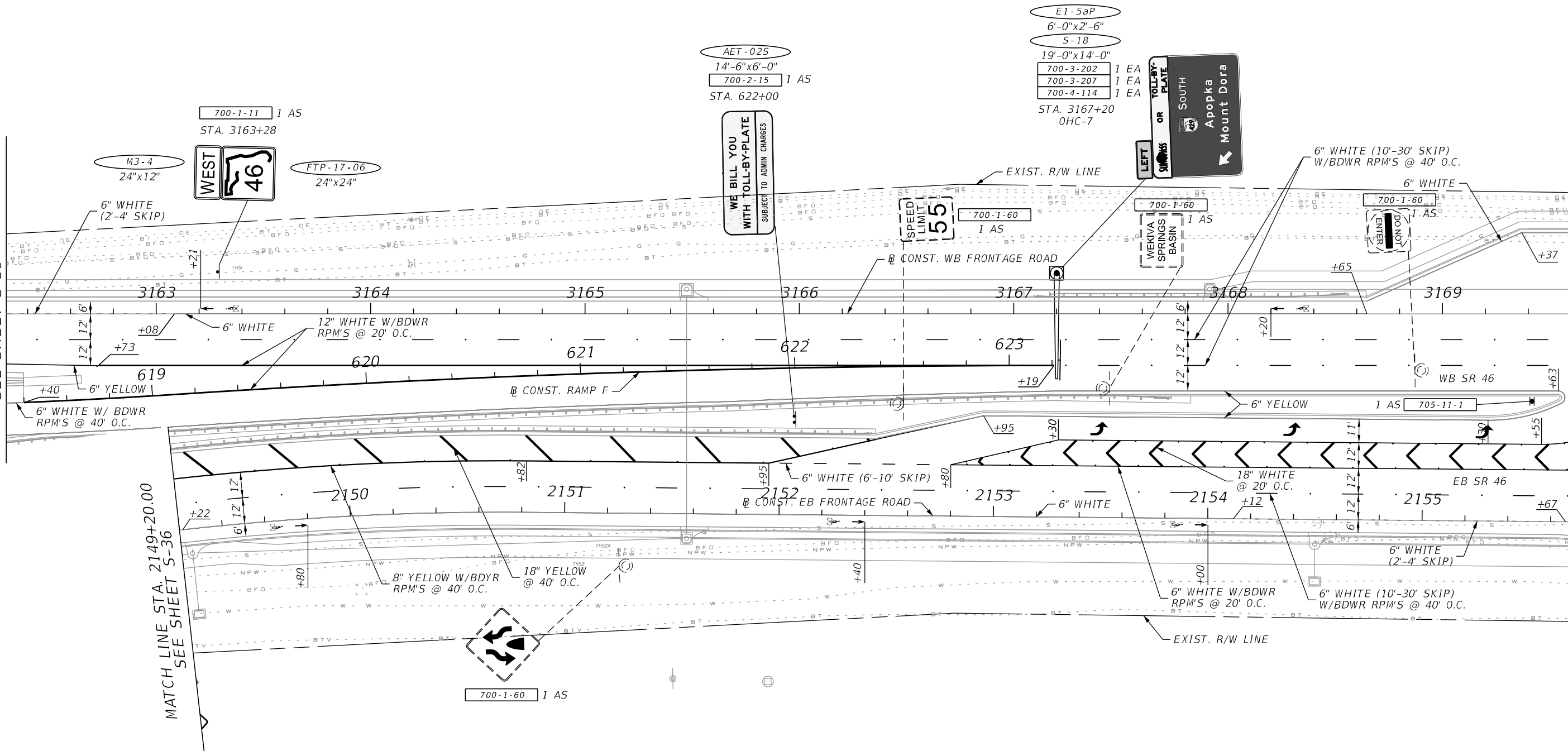
THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.



MATCH LINE STA. 3162+30.00
SEE SHEET S-36

MATCH LINE STA. 2149+20.00
SEE SHEET S-36

MATCH LINE STA. 3169+60.00
SEE SHEET S-38



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

SUSANNE S. HERTZ, P.E. PE No. 49486
 Traffic Engineering Data Solutions, Inc.
 80 Spring Vista Drive Phone: 386.753.0558
 DeBary, FL 32713 Fax: 386.753.0778
 CERTIFICATION OF AUTHORIZATION # 27392

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
429	SEMINOLE	240200-2-52-01

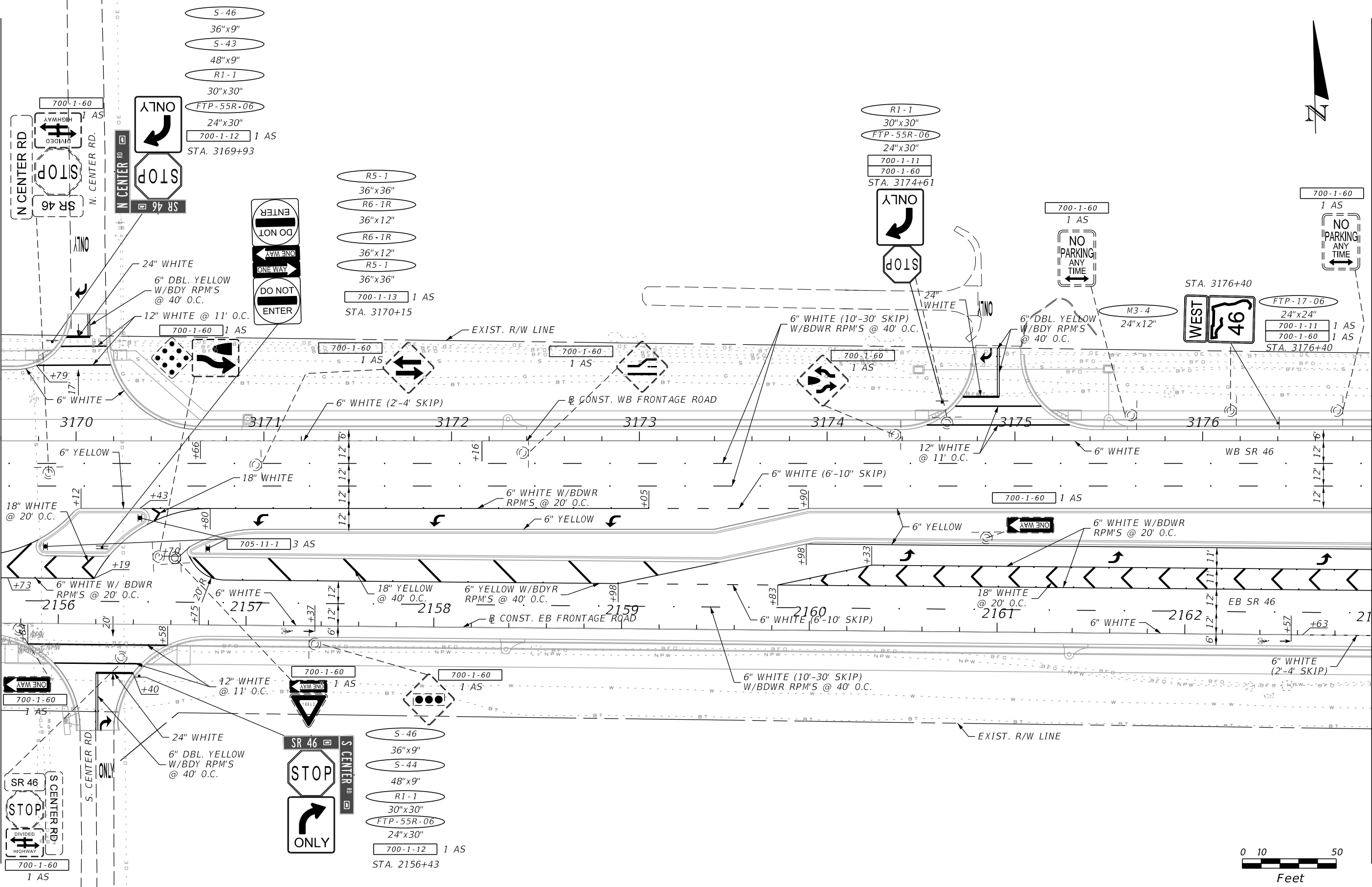
SIGNING AND MARKING PLAN

SHEET NO.
S-37

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

MATCH LINE STA. 3169+60.00
SEE SHEET S-37

MATCH LINE STA. 3176+90.00
SEE SHEET S-39



- S-46
- 36"x9"
- S-43
- 48"x9"
- R1-1
- 30"x30"
- FTP-55R-06
- 24"x30"
- 700-1-12 1 AS
- STA. 3169+93

- R5-1
- 36"x36"
- R6-1R
- 36"x12"
- R6-1R
- 36"x12"
- R5-1
- 36"x36"
- 700-1-13 1 AS
- STA. 3170+15

- R1-1
- 30"x30"
- FTP-55R-06
- 24"x30"
- 700-1-11
- 700-1-60
- STA. 3174+61

- FTP-17-06
- 24"x24"
- 700-1-11 1 AS
- 700-1-60 1 AS
- STA. 3176+40

- S-46
- 36"x9"
- S-44
- 48"x9"
- R1-1
- 30"x30"
- FTP-55R-06
- 24"x30"
- 700-1-12 1 AS
- STA. 2156+43

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

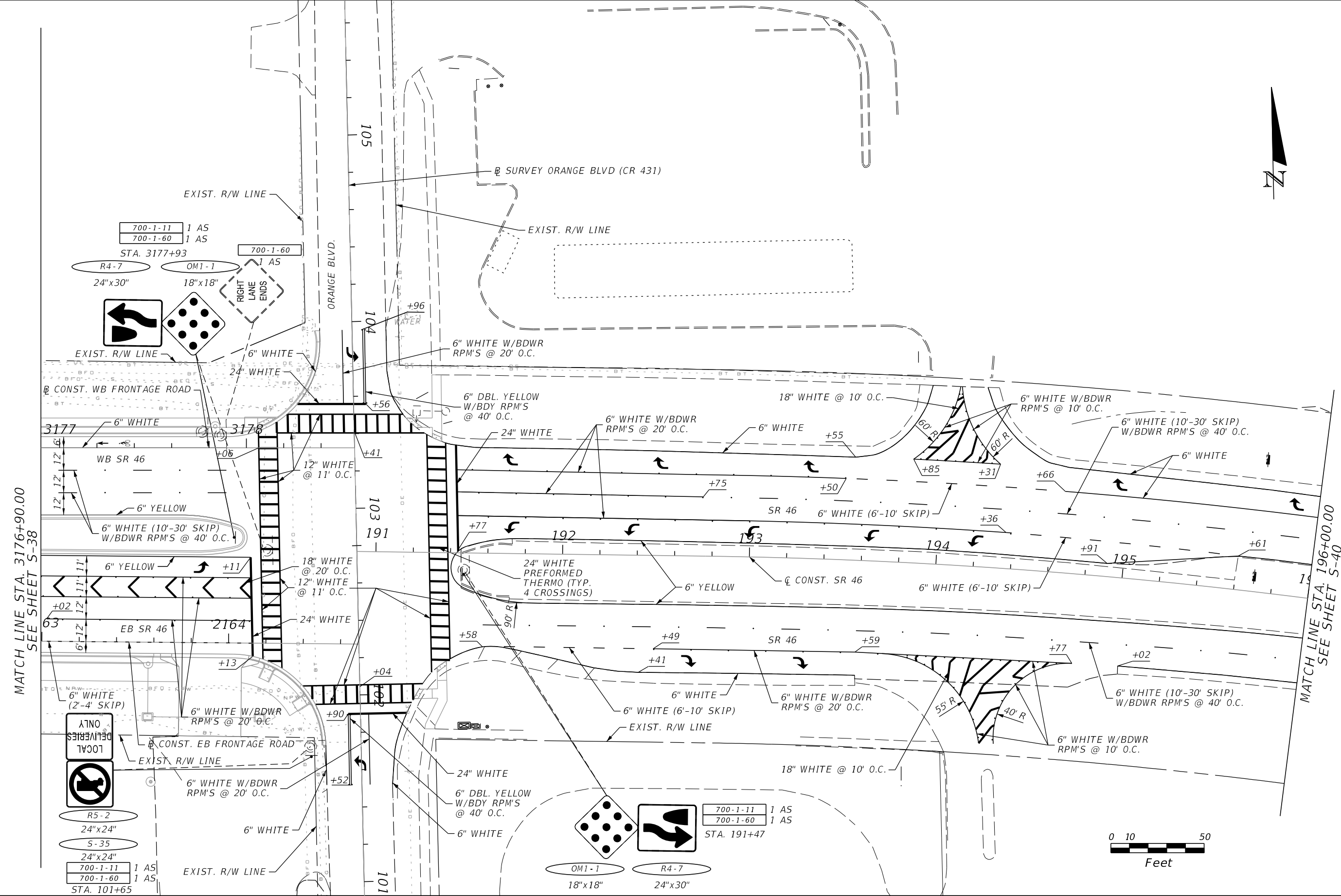
SUSANNE S. HERTZ, P.E. PE No. 49486
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 80 Spring Vista Drive Phone: 386.753.0558
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STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
429	SEMINOLE	240200-2-52-01

SIGNING AND MARKING PLAN

SHEET NO.
S-38

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



MATCH LINE STA. 3176+90.00
SEE SHEET S-38

MATCH LINE STA. 196+00.00
SEE SHEET S-40

REVISIONS	
DATE	DESCRIPTION

SUSANNE S. HERTZ, P.E. PE No. 49486
 Traffic Engineering Data Solutions, Inc.
 80 Spring Vista Drive Phone: 386.753.0558
 DeBary, FL 32713 Fax: 386.753.0778
 CERTIFICATION OF AUTHORIZATION # 27392

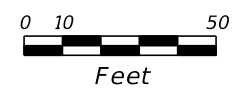
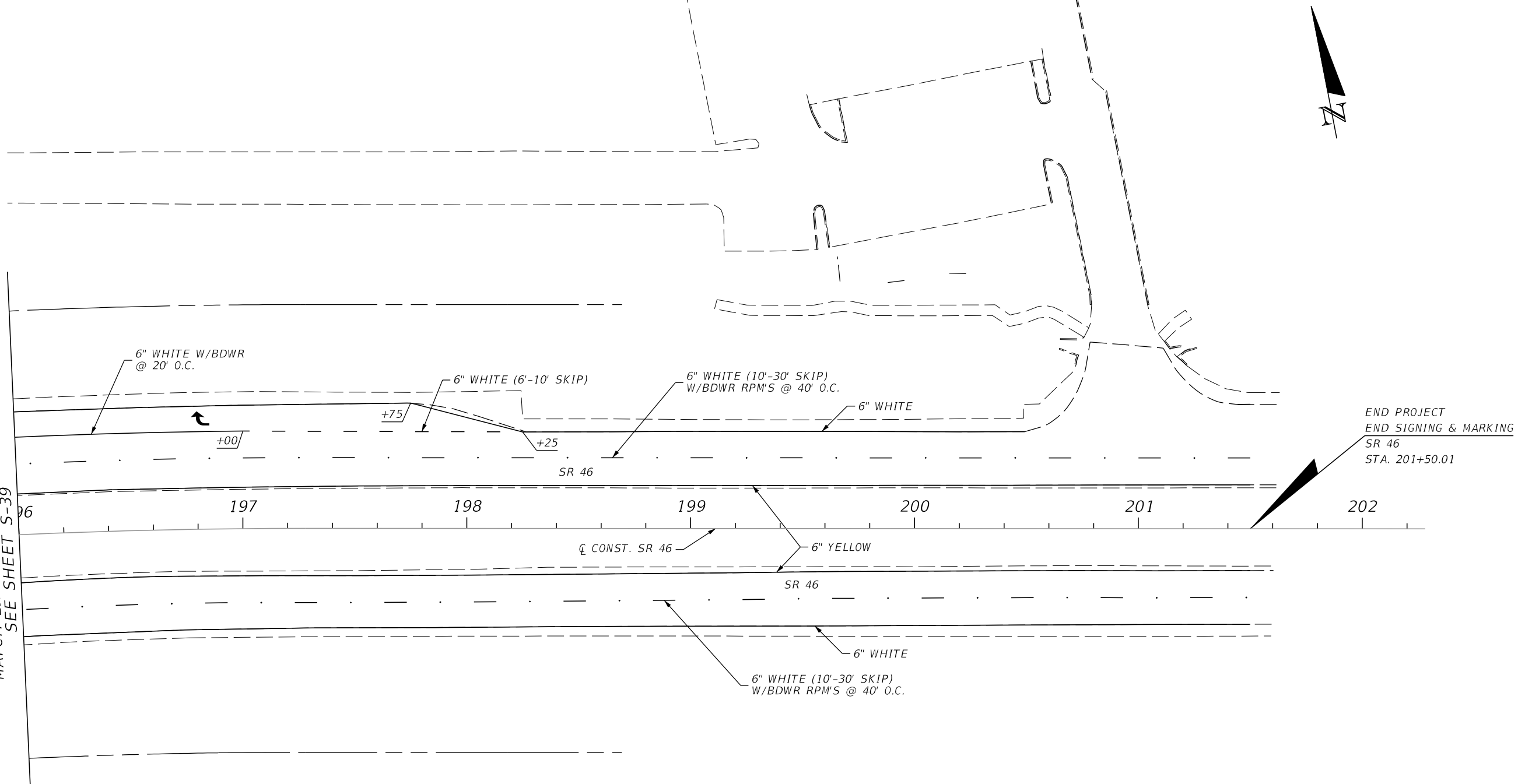
STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
429	SEMINOLE	240200-2-52-01

SIGNING AND MARKING PLAN

SHEET NO.
S-39

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

MATCH LINE STA. 196+00.00
SEE SHEET S-39



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

SUSANNE S. HERTZ, P.E. PE No. 49486
 Traffic Engineering Data Solutions, Inc.
 80 Spring Vista Drive Phone: 386.753.0558
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 CERTIFICATION OF AUTHORIZATION # 27392

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
429	SEMINOLE	240200-2-52-01

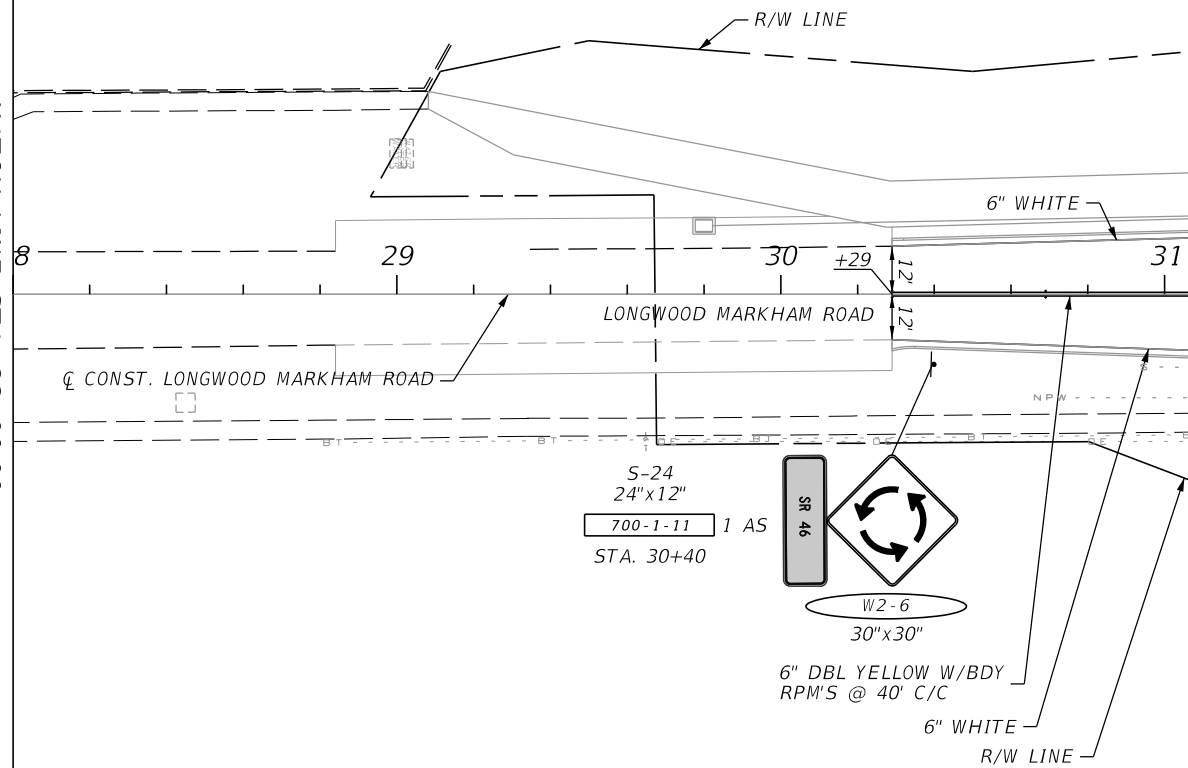
SIGNING AND MARKING PLAN

SHEET NO.
S-40

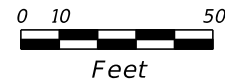
THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.



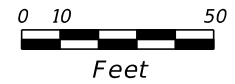
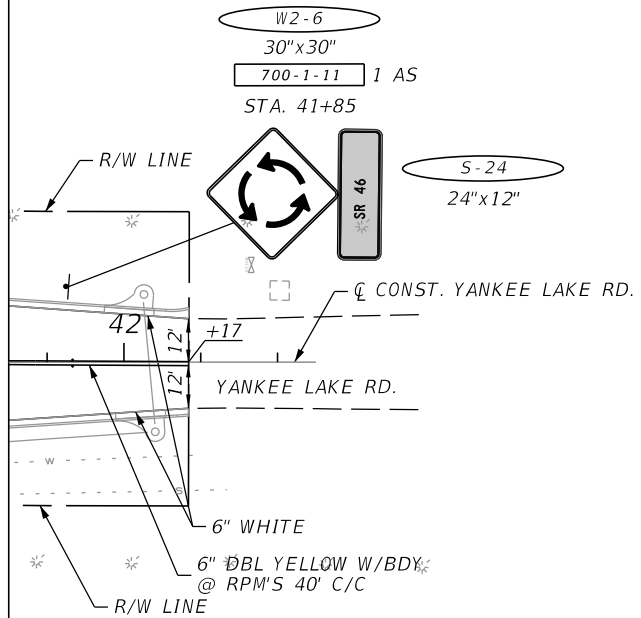
MATCH LINE STA. 28+00.00



MATCH LINE STA. 31+10.00 SEE SHEET S-45



MATCH LINE STA. 41+70.00 SEE SHEET S-46



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

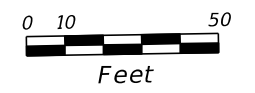
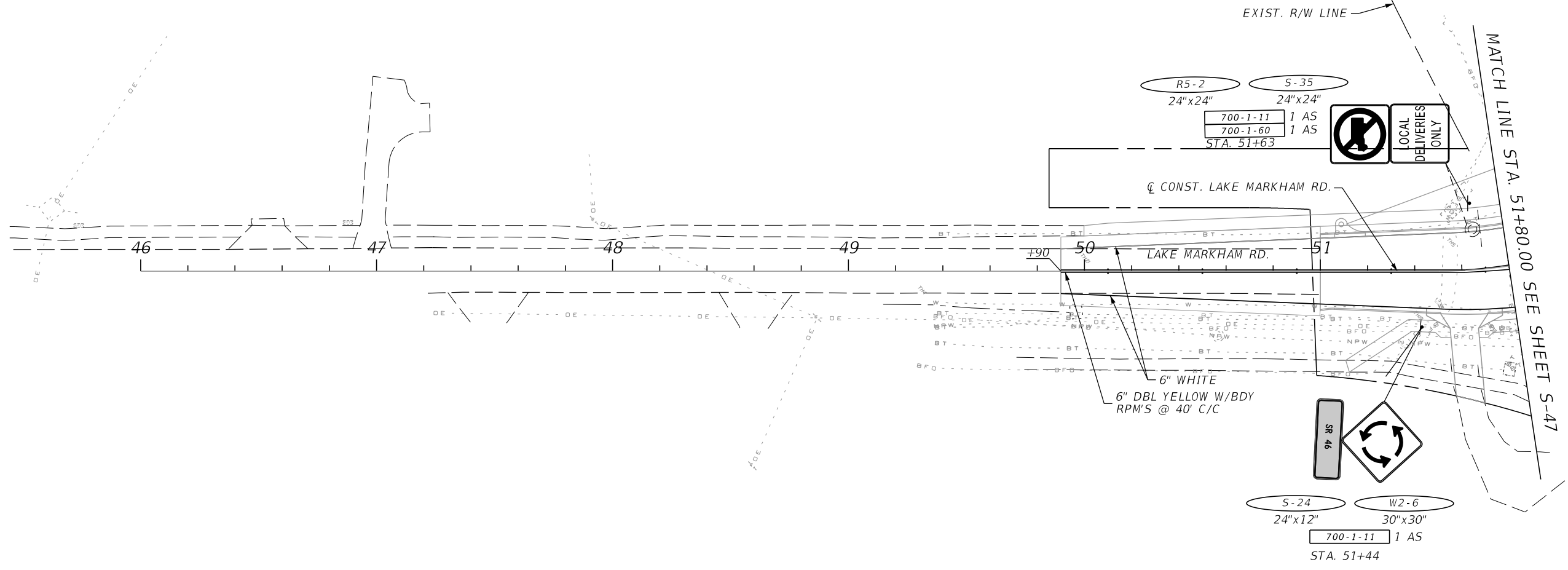
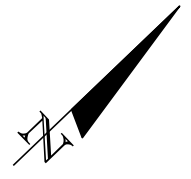
SUSANNE S. HERTZ, P.E. PE No. 49486
 Traffic Engineering Data Solutions, Inc.
 80 Spring Vista Drive Phone: 386.753.0558
 DeBary, FL 32713 Fax: 386.753.0778
 CERTIFICATION OF AUTHORIZATION # 27392

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
429	SEMINOLE	240200-2-52-01

SIGNING AND MARKING PLAN

SHEET NO.
S-41

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



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

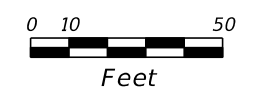
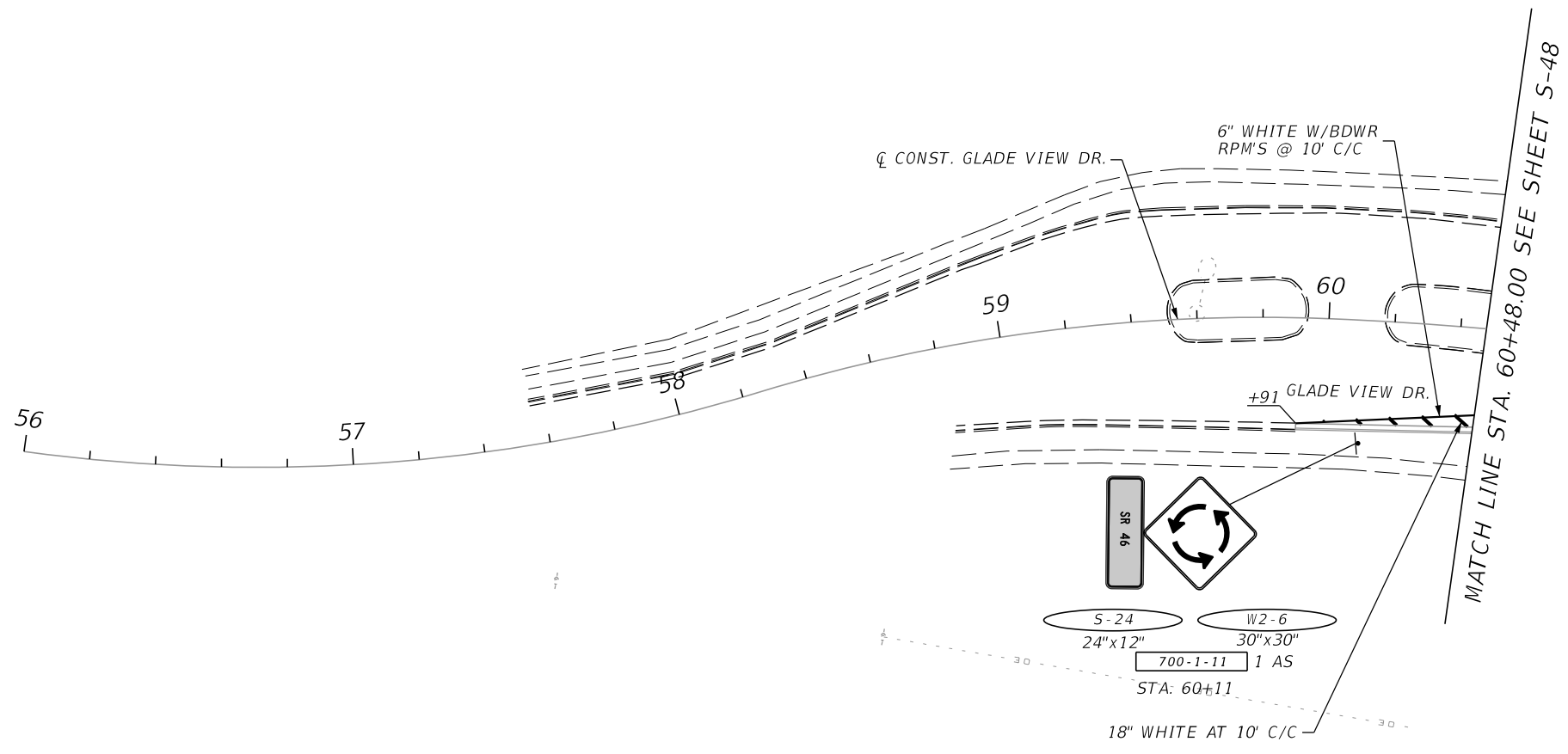
SUSANNE S. HERTZ, P.E. PE No. 49486
 Traffic Engineering Data Solutions, Inc.
 80 Spring Vista Drive Phone: 386.753.0558
 DeBary, FL 32713 Fax: 386.753.0778
 CERTIFICATION OF AUTHORIZATION # 27392

<i>STATE OF FLORIDA</i> <i>DEPARTMENT OF TRANSPORTATION</i>		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
429	SEMINOLE	240200-2-52-01

SIGNING AND MARKING PLAN

SHEET NO.
S-42

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



MATCH LINE STA. 60+48.00 SEE SHEET S-48

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

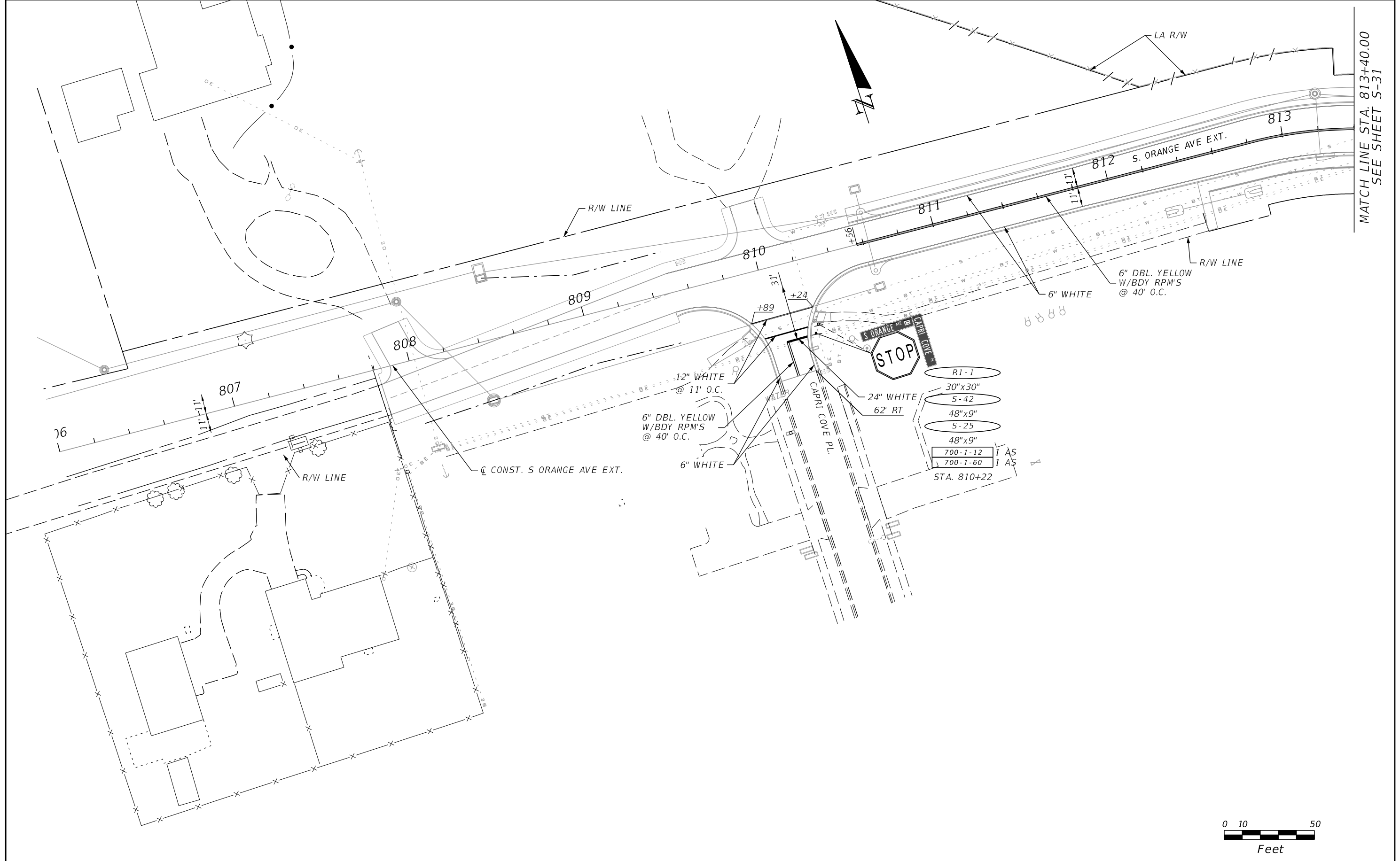
SUSANNE S. HERTZ, P.E. PE No. 49486
 Traffic Engineering Data Solutions, Inc.
 80 Spring Vista Drive Phone: 386.753.0558
 DeBary, FL 32713 Fax: 386.753.0778
 CERTIFICATION OF AUTHORIZATION # 27392

<i>STATE OF FLORIDA</i> <i>DEPARTMENT OF TRANSPORTATION</i>		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
429	SEMINOLE	240200-2-52-01

SIGNING AND MARKING PLAN

SHEET NO.
S-43

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



MATCH LINE STA. 813+40.00
SEE SHEET S-31

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

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

SUSANNE S. HERTZ, P.E. PE No. 49486
 Traffic Engineering Data Solutions, Inc.
 80 Spring Vista Drive Phone: 386.753.0558
 DeBary, FL 32713 Fax: 386.753.0778
 CERTIFICATION OF AUTHORIZATION # 27392

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
429	SEMINOLE	240200-2-52-01

SIGNING AND MARKING PLAN

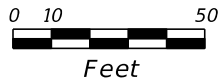
SHEET NO.
S-44

MATCH LINE STA. 960+50.00 SEE SHEET S-11

MATCH LINE STA. 967+80.00 SEE SHEET S-13

MATCH LINE STA. 31+10.00 SEE SHEET S-40

SEE SHEET S-12 FOR SR 429
SIGNING AND PAVEMENT MARKINGS



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

SUSANNE S. HERTZ, P.E. PE No. 49486
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 80 Spring Vista Drive Phone: 386.753.0558
 DeBary, FL 32713 Fax: 386.753.0778
 CERTIFICATION OF AUTHORIZATION # 27392

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
429	SEMINOLE	240200-2-52-01

SIGNING AND MARKING PLAN

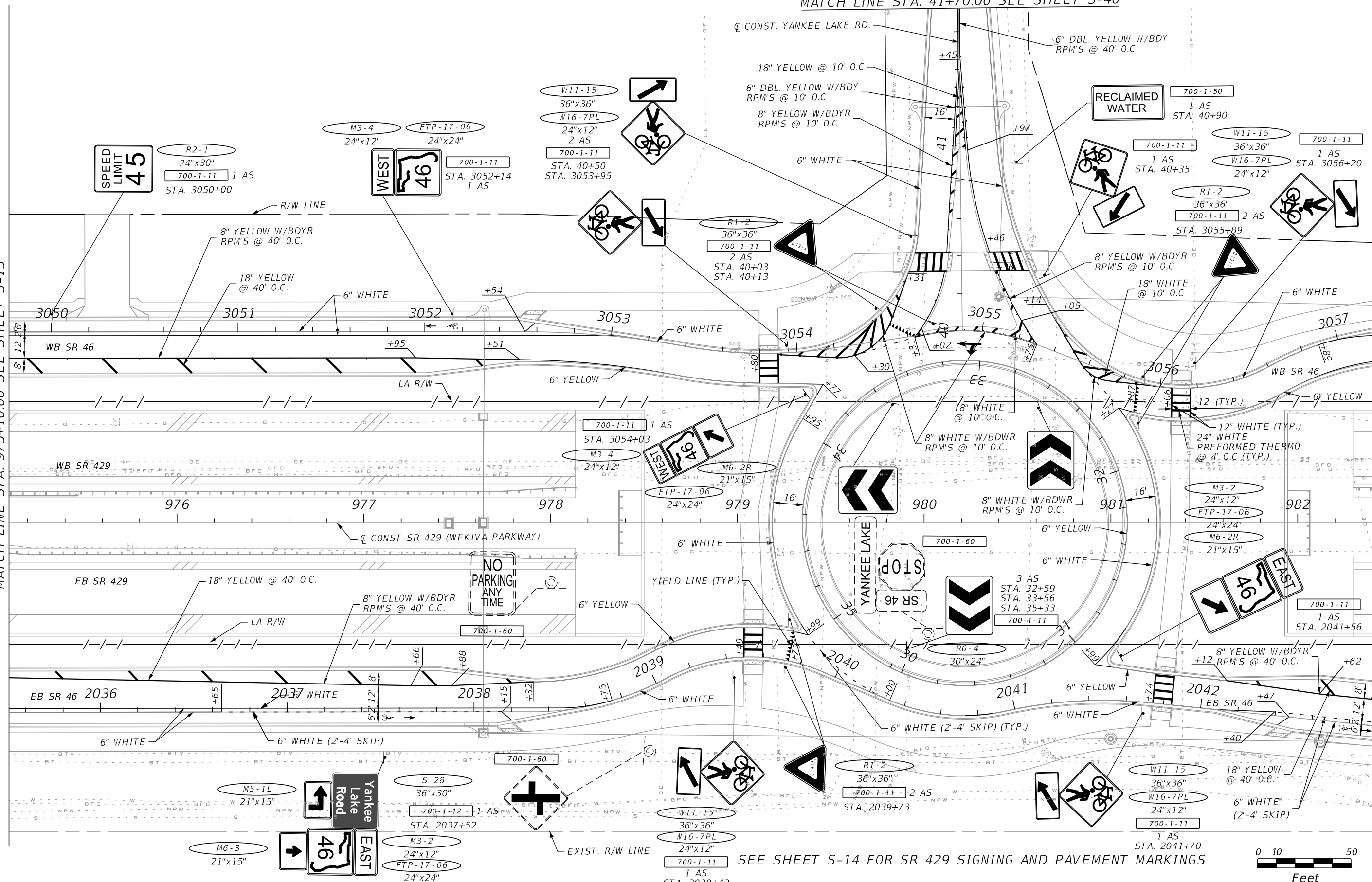
SHEET NO.
S-45

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

MATCH LINE STA. 41+70.00 SEE SHEET S-40

MATCH LINE STA. 975+10.00 SEE SHEET S-13

MATCH LINE STA. 982+40.00 SEE SHEET S-15



SEE SHEET S-14 FOR SR 429 SIGNING AND PAVEMENT MARKINGS



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

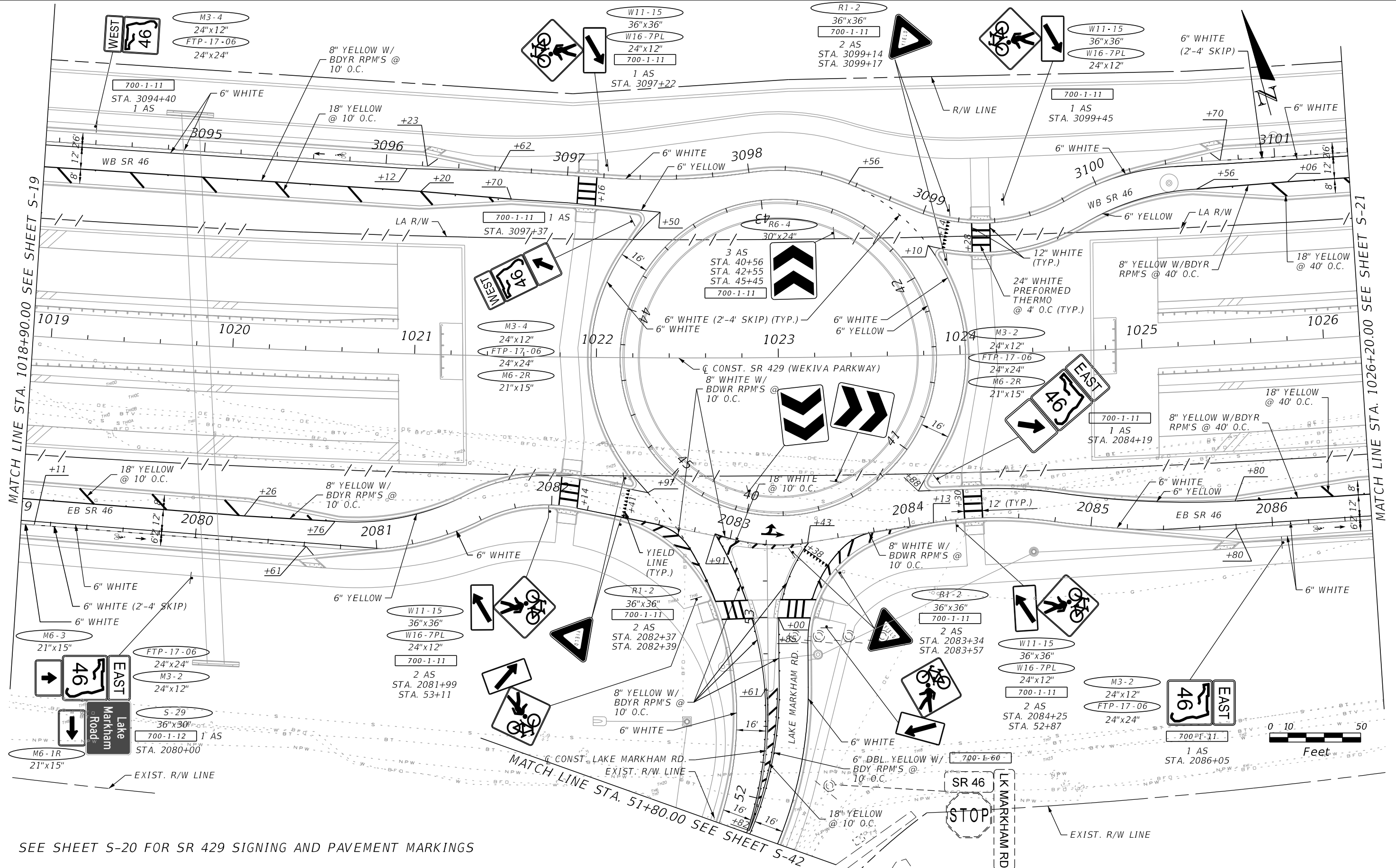
SUSANNE S. HERTZ, P.E. PE No. 49486
 Traffic Engineering Data Solutions, Inc.
 80 Spring Vista Drive Phone: 386.753.0558
 DeBary, FL 32713 Fax: 386.753.0778
 CERTIFICATION OF AUTHORIZATION # 27392

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
429	SEMINOLE	240200-2-52-01

SIGNING AND MARKING PLAN

SHEET NO.
S-46

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



SEE SHEET S-20 FOR SR 429 SIGNING AND PAVEMENT MARKINGS

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

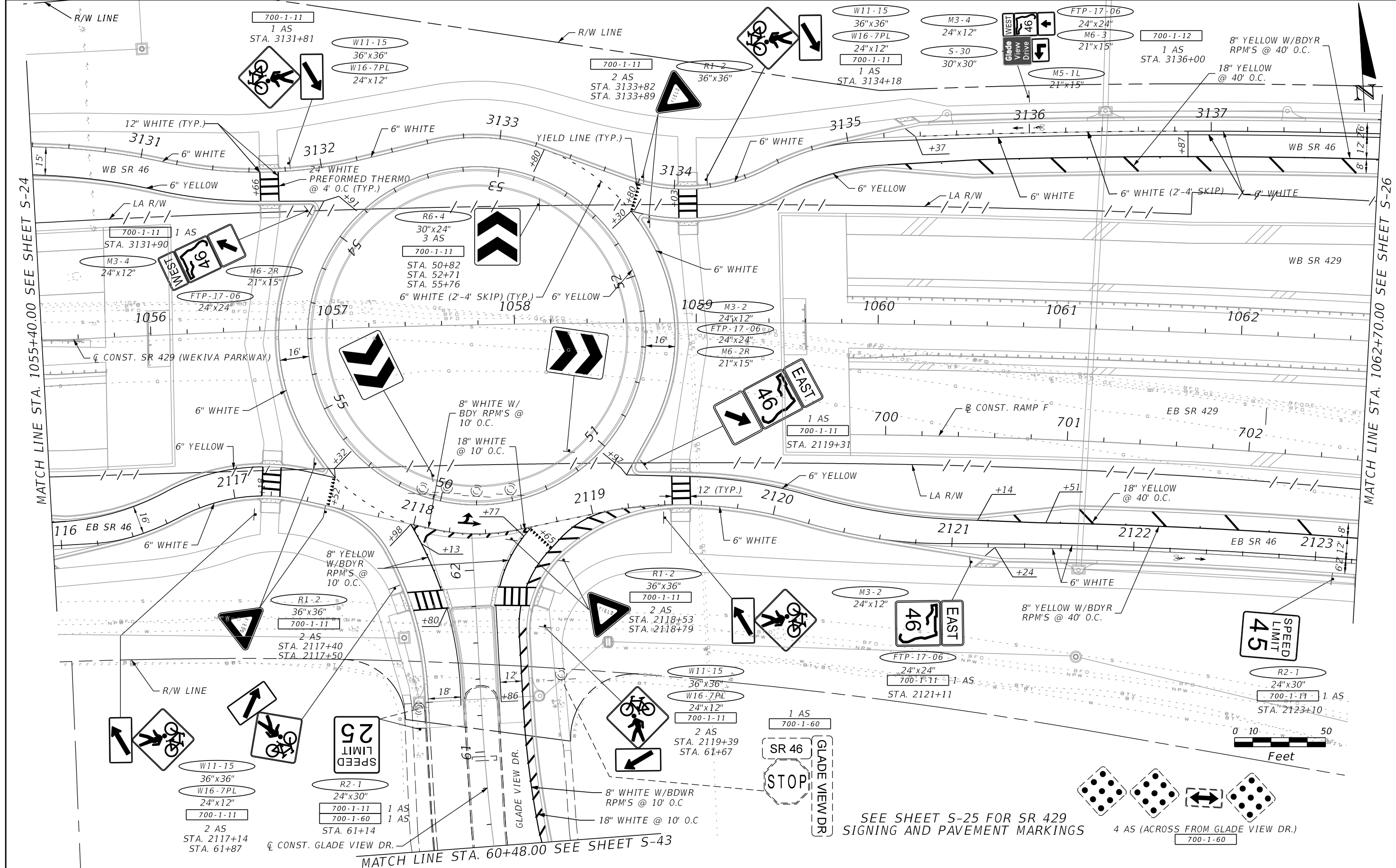
SUSANNE S. HERTZ, P.E. PE No. 49486
 Traffic Engineering Data Solutions, Inc.
 80 Spring Vista Drive Phone: 386.753.0558
 DeBary, FL 32713 Fax: 386.753.0778
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STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
429	SEMINOLE	240200-2-52-01

SIGNING AND MARKING PLAN

SHEET NO.
S-47

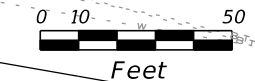
THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.



MATCH LINE STA. 1055+40.00 SEE SHEET S-24

MATCH LINE STA. 1062+70.00 SEE SHEET S-26

MATCH LINE STA. 60+48.00 SEE SHEET S-43



SEE SHEET S-25 FOR SR 429
SIGNING AND PAVEMENT MARKINGS

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

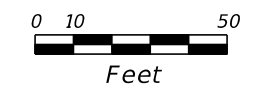
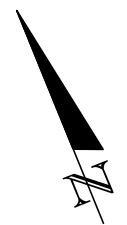
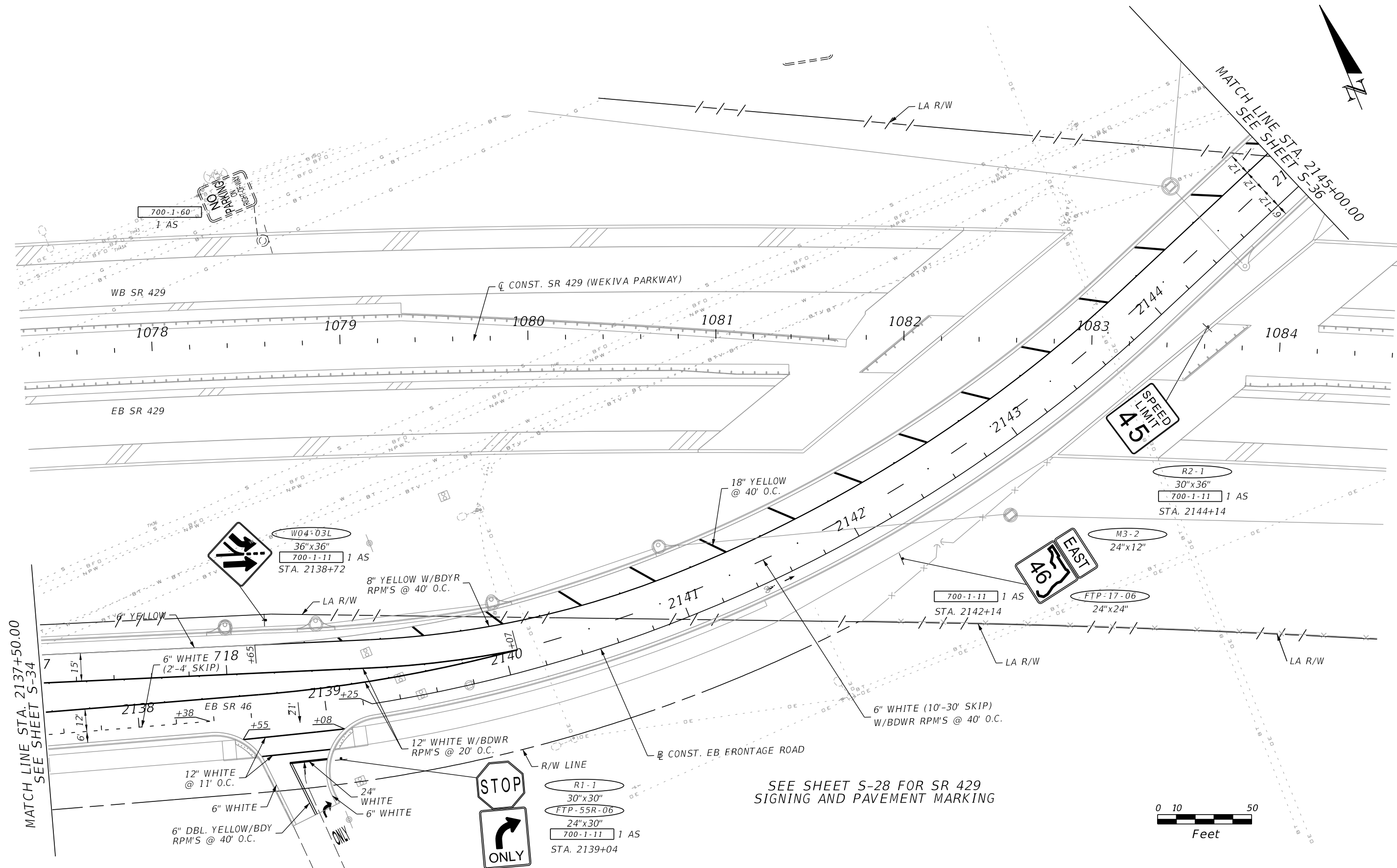
SUSANNE S. HERTZ, P.E. PE No. 49486
 Traffic Engineering Data Solutions, Inc.
 80 Spring Vista Drive Phone: 386.753.0558
 DeBary, FL 32713 Fax: 386.753.0778
 CERTIFICATION OF AUTHORIZATION # 27392

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
429	SEMINOLE	240200-2-52-01

SIGNING AND MARKING PLAN

SHEET NO.
S-48

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



SEE SHEET S-28 FOR SR 429
SIGNING AND PAVEMENT MARKING

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

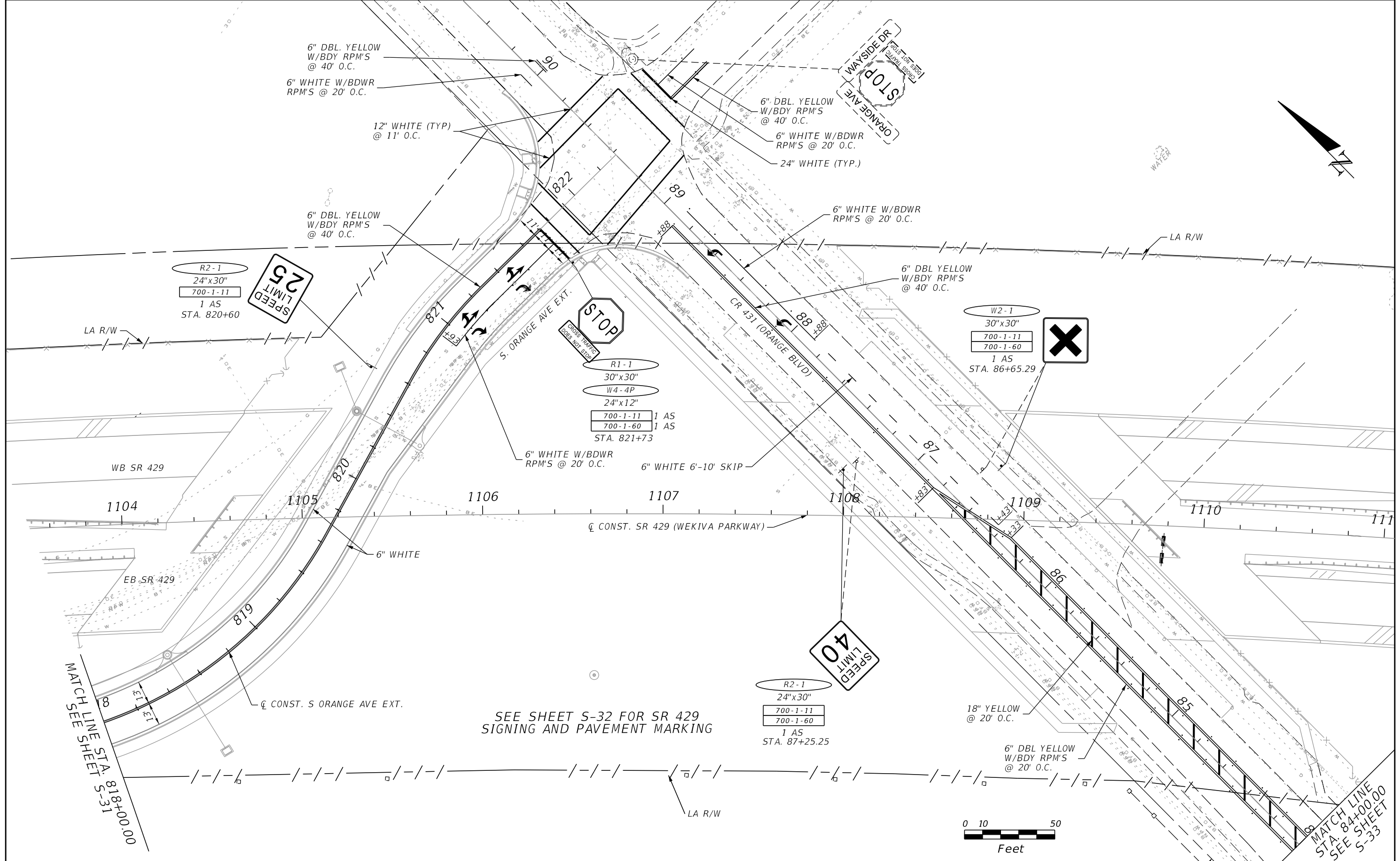
SUSANNE S. HERTZ, P.E. PE No. 49486
 Traffic Engineering Data Solutions, Inc.
 80 Spring Vista Drive Phone: 386.753.0558
 DeBary, FL 32713 Fax: 386.753.0778
 CERTIFICATION OF AUTHORIZATION # 27392

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
429	SEMINOLE	240200-2-52-01

SIGNING AND MARKING PLAN

SHEET NO.
S-49

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



SEE SHEET S-32 FOR SR 429
SIGNING AND PAVEMENT MARKING

MATCH LINE STA. 818+00.00
SEE SHEET S-31

MATCH LINE
STA. 84+00.00
SEE SHEET S-33

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

SUSANNE S. HERTZ, P.E. PE No. 49486
Traffic Engineering Data Solutions, Inc.
80 Spring Vista Drive Phone: 386.753.0558
DeBary, FL 32713 Fax: 386.753.0778
CERTIFICATION OF AUTHORIZATION # 27392

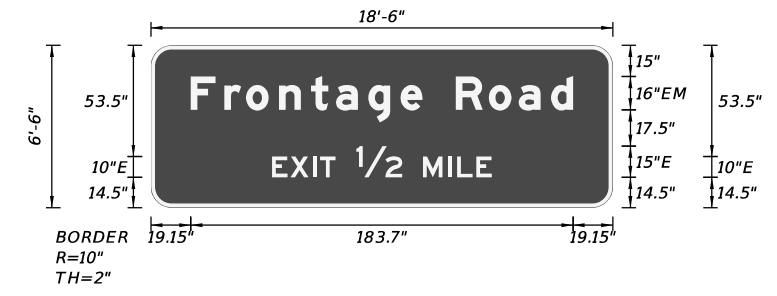
STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
429	SEMINOLE	240200-2-52-01

SIGNING AND MARKING PLAN

SHEET NO.
S-50

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

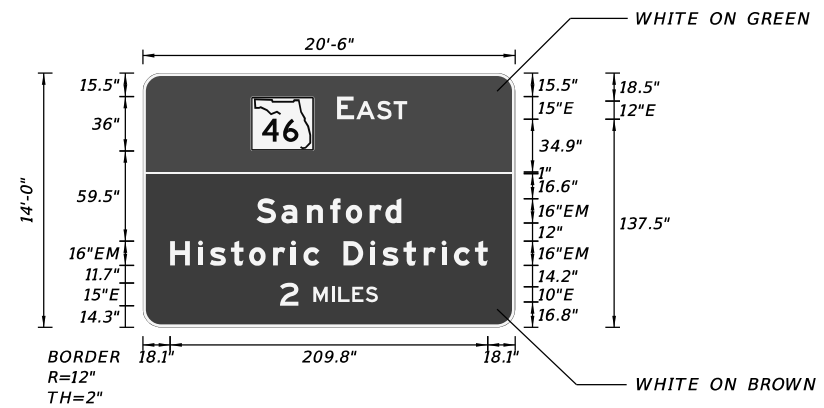
SIGN NAME	S-10	QTY	1	SIGN NUMBER	STATION(S)
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HEIGHT	6'-6"	RADII	10"		
LEGEND	White	COLOR	White		
COLOR	Green				
SYMBOL(S)	ANGLE	X	Y	WID	HT
SIGN NUMBER	CLEARANCE Edge Of Lane	COLUMN SIZE	AVERAGE LENGTH		



NO. OF LIGHT FIXTURES	FIXTURE SPACING	PHOTOMETRIC CURVE	WATT	VOLTAGE

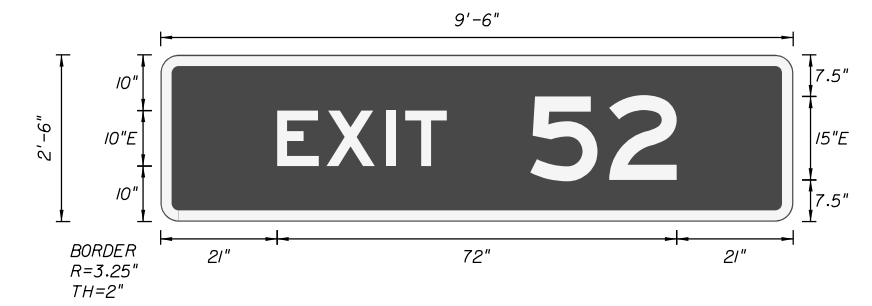
COPY		F	r	o	n	t	a	g	e	R	o	a	d	L						
SPACE	19.2	16.2	10.4	15.8	15.4	12	15.5	15.5	10.6	16	15.8	14.4	15.5	10.6	19.1	183.7				
COPY		E	X	I	T		12		M	I	L	E	L							
SPACE	58.2	8.9	10.7	3.5	7.5	10	22	10	12	4.4	9.2	7.5	58.1	105.7						
COPY																				
SPACE																				
COPY																				
SPACE																				
COPY																				
SPACE																				
COPY																				
SPACE																				

SIGN NAME	S-11	QTY	1	SIGN NUMBER	STATION(S)
PANEL	BORDER				956+56
WIDTH	20'-6"	WIDTH	2"		
HEIGHT	14'-0"	RADII	12"		
LEGEND	White	COLOR	White		
COLOR	Brown / Green				
SYMBOL(S)	ANGLE	X	Y	WID	HT
FTP-17-06	0	71.3	116.5	42	36
SIGN NUMBER	CLEARANCE Edge Of Lane	COLUMN SIZE	AVERAGE LENGTH		



NO. OF LIGHT FIXTURES	FIXTURE SPACING	PHOTOMETRIC CURVE	WATT	VOLTAGE

SIGN NAME	S-12	QTY	4	SIGN NUMBER	STATION(S)
PANEL	BORDER				956+56
WIDTH	9'-6"	WIDTH	2"		1009+36
HEIGHT	2'-6"	RADII	3.25"		1035+76
LEGEND	White	COLOR	White		1062+16
COLOR	Green				
SYMBOL(S)	ANGLE	X	Y	WID	HT
SIGN NUMBER	CLEARANCE Edge Of Lane	COLUMN SIZE	AVERAGE LENGTH		



NO. OF LIGHT FIXTURES	FIXTURE SPACING	PHOTOMETRIC CURVE	WATT	VOLTAGE

COPY		E	A	S	T																
SPACE	128.3	11.3	1.5	13.6	11	9	71.3	46.4													
COPY		S	a	n	f	o	r	d	L												
SPACE	75.1	16.5	17	15.4	10.2	15.8	10.4	10.6	75.1	95.8											
COPY		H	i	s	t	o	r	i	c	D	i	s	t	r	i	c	t	L			
SPACE	18.1	18.4	7.8	13.9	12	15.8	11.8	8.2	10.6	16	17.8	7.8	13.9	13.4	11.8	8.2	13.9	8.3	18.1	209.8	
COPY		2		M	I	L	E	S	L												
SPACE	90.6	12.2	10	12	4.4	9.2	8.9	8.1	90.6	64.8											
COPY																					
SPACE																					
COPY																					
SPACE																					

COPY		E	X	I	T		5	2	L											
SPACE	21	8.9	10.7	3.5	7.5	15	14.3	12.1	21	72										
COPY																				
SPACE																				
COPY																				
SPACE																				
COPY																				
SPACE																				
COPY																				
SPACE																				

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

SUSANNE S. HERTZ, P.E. PE No. 49486
 Traffic Engineering Data Solutions, Inc.
 80 Spring Vista Drive Phone: 386.753.0558
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 CERTIFICATION OF AUTHORIZATION # 27392

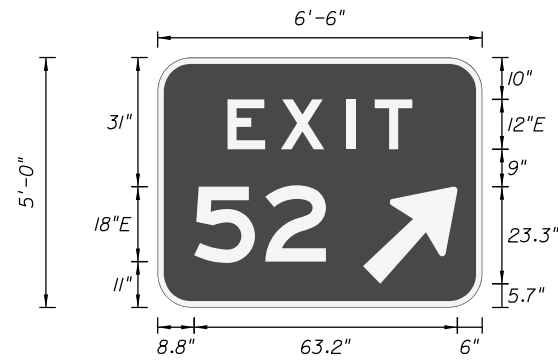
STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
429	SEMINOLE	240200-2-52-01

GUIDE SIGN WORK SHEET

SHEET NO.
S-53

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

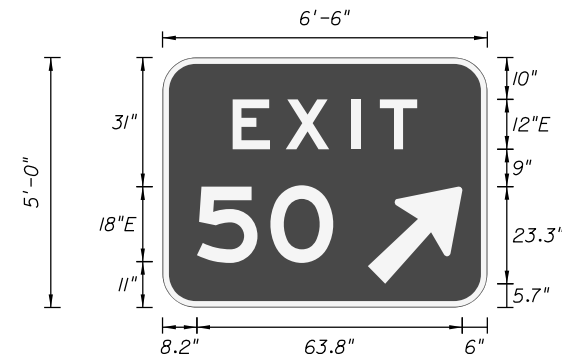
SIGN NAME	S-22	QTY	1	SIGN NUMBER	1068	STATION(S)	
PANEL	BORDER				1068+22		
WIDTH	6'-6"	WIDTH	1.5"				
HEIGHT	5'-0"	RADII	8"				
LEGEND	White	COLOR	White				
COLOR	Green						
SYMBOL(S)	ANGLE	X	Y	WID	HT		
AR_Type A	314.2	49.3	5.7	18.6	29.2		
SIGN NUMBER	CLEARANCE Edge Of Lane	COLUMN SIZE	AVERAGE LENGTH				
S-22	1066+88	8.1'	2 53X5.7 2 16X4.03	11.950'			



NO. OF LIGHT FIXTURES	FIXTURE SPACING	PHOTOMETRIC CURVE	WATT	VOLTAGE
-----------------------	-----------------	-------------------	------	---------

COPY	E	X	I	T	L		
SPACE	16.8	12.8	15.8	6.8	9	16.8	44.4
COPY	5	2		L			
SPACE	8.8	17.1	14.6	37.5	31.7		
COPY							
SPACE							
COPY							
SPACE							
COPY							
SPACE							
COPY							
SPACE							

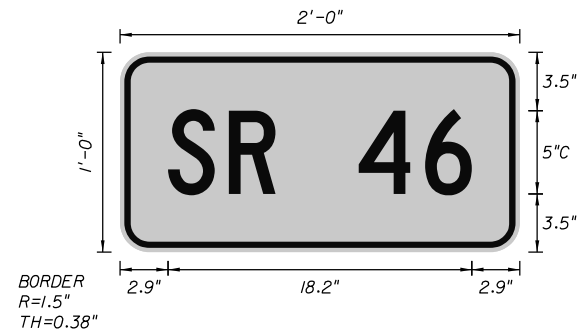
SIGN NAME	S-23	QTY	1	SIGN NUMBER	999	STATION(S)	
PANEL	BORDER				999+11		
WIDTH	6'-6"	WIDTH	1.5"				
HEIGHT	5'-0"	RADII	8"				
LEGEND	White	COLOR	White				
COLOR	Green						
SYMBOL(S)	ANGLE	X	Y	WID	HT		
AR_Type A	314.2	49.3	5.7	18.6	29.2		
SIGN NUMBER	CLEARANCE Edge Of Lane	COLUMN SIZE	AVERAGE LENGTH				



NO. OF LIGHT FIXTURES	FIXTURE SPACING	PHOTOMETRIC CURVE	WATT	VOLTAGE
-----------------------	-----------------	-------------------	------	---------

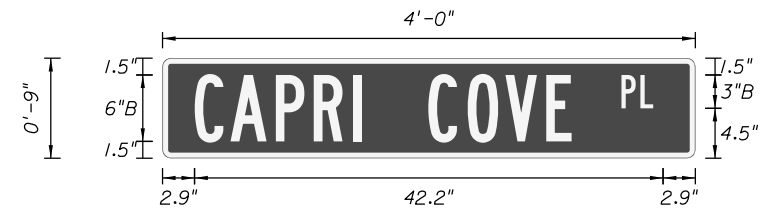
COPY	E	X	I	T	L		
SPACE	16.8	12.8	15.8	6.8	9	16.8	44.4
COPY	5	0		L			
SPACE	8.2	17.6	15.1	37	32.8		
COPY							
SPACE							
COPY							
SPACE							
COPY							
SPACE							
COPY							
SPACE							

SIGN NAME	S-24	QTY	4	SIGN NUMBER		STATION(S)	
PANEL	BORDER						
WIDTH	2'-0"	WIDTH	0.38"		30+40		
HEIGHT	1'-0"	RADII	1.5"		41+85		
LEGEND	Black	COLOR	Black		51+44		
COLOR	Yellow				60+11		
SYMBOL(S)	ANGLE	X	Y	WID	HT		
SIGN NUMBER	CLEARANCE Edge Of Lane	COLUMN SIZE	AVERAGE LENGTH				



NO. OF LIGHT FIXTURES	FIXTURE SPACING	PHOTOMETRIC CURVE	WATT	VOLTAGE
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SIGN NAME	S-25	QTY	1	SIGN NUMBER	810	STATION(S)	22
PANEL	BORDER				810+22		
WIDTH	4'-0"	WIDTH	0.5"				
HEIGHT	0'-9"	RADII	0.75"				
LEGEND	White	COLOR	White				
COLOR	White						
SYMBOL(S)	ANGLE	X	Y	WID	HT		
SIGN NUMBER	CLEARANCE Edge Of Lane	COLUMN SIZE	AVERAGE LENGTH				



NO. OF LIGHT FIXTURES	FIXTURE SPACING	PHOTOMETRIC CURVE	WATT	VOLTAGE
-----------------------	-----------------	-------------------	------	---------

COPY	S	R	4	6	L		
SPACE	2.9	3.7	2.8	5	4	2.8	2.9
COPY							
SPACE							
COPY							
SPACE							
COPY							
SPACE							
COPY							
SPACE							
COPY							
SPACE							

COPY	P	L	L	L			
SPACE	41.4	1.7	1.1	3.8	2.8		
COPY	C	A	P	R	I	C	O
SPACE	2.9	3.2	4.1	3.4	3.5	0.8	6
COPY							
SPACE							
COPY							
SPACE							
COPY							
SPACE							

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

SUSANNE S. HERTZ, P.E. PE No. 49486
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 CERTIFICATION OF AUTHORIZATION # 27392

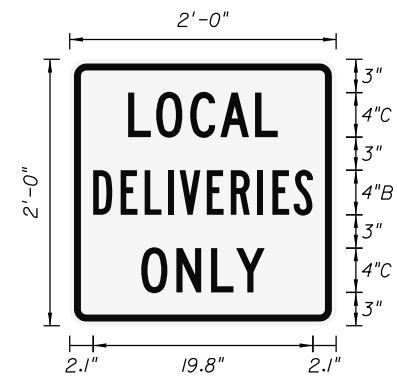
STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
429	SEMINOLE	240200-2-52-01

GUIDE SIGN WORK SHEET

SHEET NO. S-57

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

SIGN NAME	S-35	QTY	2	SIGN NUMBER		STATION(S)	
PANEL	BORDER					51+63	
WIDTH	2'-0"	WIDTH	0.63"			101+65	
HEIGHT	2'-0"	RADII	1.13"				
LEGEND	Black	COLOR	Black				
COLOR	White						
SYMBOL(S)	ANGLE	X	Y	WID	HT		
SIGN NUMBER		CLEARANCE Edge Of Lane		COLUMN SIZE		AVERAGE LENGTH	



NO. OF LIGHT FIXTURES	FIXTURE SPACING	PHOTOMETRIC CURVE	WATT	VOLTAGE

SIGN NAME	S-36	QTY	1	SIGN NUMBER		STATION(S)	
PANEL	BORDER					2044+19	
WIDTH	4'-0"	WIDTH	0.5"				
HEIGHT	0'-9"	RADII	0.75"				
LEGEND	White	COLOR	White				
COLOR	Green						
SYMBOL(S)	ANGLE	X	Y	WID	HT		
SNS LOGO	0	40	3	4.5	3		
SIGN NUMBER		CLEARANCE Edge Of Lane		COLUMN SIZE		AVERAGE LENGTH	



NO. OF LIGHT FIXTURES	FIXTURE SPACING	PHOTOMETRIC CURVE	WATT	VOLTAGE

COPY		L	O	C	A	L													
SPACE	5.3	2.5	3.1	2.7	3.1	2	5.2	13.5											
COPY		D	E	L	I	V	E	R	I	E	S	L							
SPACE	2.1	2.5	2.2	2.1	1.1	2.4	2.2	2.4	1.4	1.9	1.7	2.1	19.8						
COPY		O	N	L	Y	L													
SPACE	6.4	3.2	3.1	2.3	2.6	6.5	11.1												
COPY																			
SPACE																			
COPY																			
SPACE																			

COPY		L	N	L															
SPACE	35.4	1.6	1.3	9.7	2.8														
COPY		R	O	S	S	L	A	K	E	L									
SPACE	3.5	3.4	3.5	3.2	2.6	3.8	2.6	4.1	3.6	2.3	15.5	29							
COPY																			
SPACE																			
COPY																			
SPACE																			
COPY																			
SPACE																			

SIGN NAME	S-37	QTY	1	SIGN NUMBER		STATION(S)	
PANEL	BORDER					2052+86	
WIDTH	4'-0"	WIDTH	0.5"				
HEIGHT	0'-9"	RADII	0.75"				
LEGEND	White	COLOR	White				
COLOR	Green						
SYMBOL(S)	ANGLE	X	Y	WID	HT		
SIGN NUMBER		CLEARANCE Edge Of Lane		COLUMN SIZE		AVERAGE LENGTH	



NO. OF LIGHT FIXTURES	FIXTURE SPACING	PHOTOMETRIC CURVE	WATT	VOLTAGE

SIGN NAME	S-38	QTY	1	SIGN NUMBER		STATION(S)	
PANEL	BORDER					2065+41	
WIDTH	4'-2"	WIDTH	0.5"				
HEIGHT	0'-9"	RADII	0.75"				
LEGEND	White	COLOR	White				
COLOR	Green						
SYMBOL(S)	ANGLE	X	Y	WID	HT		
SIGN NUMBER		CLEARANCE Edge Of Lane		COLUMN SIZE		AVERAGE LENGTH	



NO. OF LIGHT FIXTURES	FIXTURE SPACING	PHOTOMETRIC CURVE	WATT	VOLTAGE

COPY		P	T	L															
SPACE	43.6	1.5	1.1	1.8	2.6														
COPY		P	A	I	N	T	E	D	P	O	S	T	L						
SPACE	1.8	2.9	4.1	2.1	3.4	3.1	3.2	2.6	3.8	3.2	3.5	3.1	2.3	8.9	37.4				
COPY																			
SPACE																			
COPY																			
SPACE																			
COPY																			
SPACE																			

COPY		P	L	L															
SPACE	45	1.7	1.1	2.1	2.9														
COPY		B	E	L	L	A	F	O	R	E	S	T	A	L					
SPACE	2.2	3.5	3.2	3.1	2.6	3.2	3	2.9	3.9	3.5	2.9	3.1	2.6	3.2	6.9	41			
COPY																			
SPACE																			
COPY																			
SPACE																			

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

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 CERTIFICATION OF AUTHORIZATION # 27392

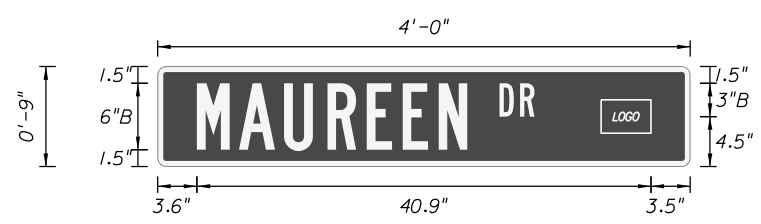
STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
429	SEMINOLE	240200-2-52-01

GUIDE SIGN WORK SHEET

SHEET NO.
S-60

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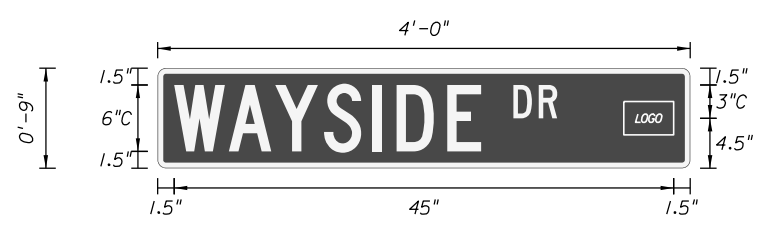
SIGN NAME	S-39	QTY	1	SIGN NUMBER	STATION(S)
PANEL	BORDER				2093+57
WIDTH	4'-0"	WIDTH	0.5"		
HEIGHT	0'-9"	RADII	0.75"		
LEGEND	White	COLOR	White		
COLOR	Green				
SYMBOL(S)	ANGLE	X	Y	WID	HT
SNS LOGO	0	40	3	4.5	3
SIGN NUMBER	CLEARANCE Edge Of Lane	COLUMN SIZE	AVERAGE LENGTH		



NO. OF LIGHT FIXTURES	FIXTURE SPACING	PHOTOMETRIC CURVE	WATT	VOLTAGE

COPY		D	R	L																
SPACE	30.8	1.9	1.3	14	3.2															
COPY		M	A	U	R	E	E	N	L											
SPACE	3.6	3.8	4.1	3.9	3.5	3.2	3.2	2.6	20.1	24.4										
COPY																				
SPACE																				
COPY																				
SPACE																				
COPY																				
SPACE																				

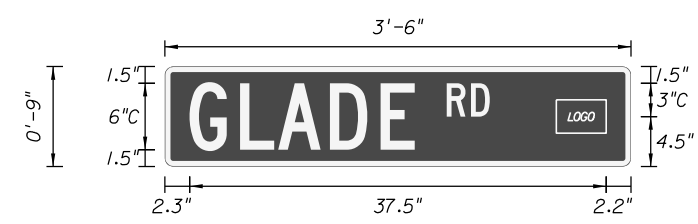
SIGN NAME	S-41	QTY	1	SIGN NUMBER	STATION(S)
PANEL	BORDER				2148+77
WIDTH	4'-0"	WIDTH	0.5"		
HEIGHT	0'-9"	RADII	0.75"		
LEGEND	White	COLOR	White		
COLOR	Green				
SYMBOL(S)	ANGLE	X	Y	WID	HT
SNS LOGO	0	42	3	4.5	3
SIGN NUMBER	CLEARANCE Edge Of Lane	COLUMN SIZE	AVERAGE LENGTH		



NO. OF LIGHT FIXTURES	FIXTURE SPACING	PHOTOMETRIC CURVE	WATT	VOLTAGE

COPY		D	R	L																
SPACE	32.1	2.3	1.7	12	4															
COPY		W	A	Y	S	I	D	E	L											
SPACE	1.5	4.9	4.2	4.4	4.4	2.2	4.6	3.1	18.8	27.7										
COPY																				
SPACE																				
COPY																				
SPACE																				
COPY																				
SPACE																				

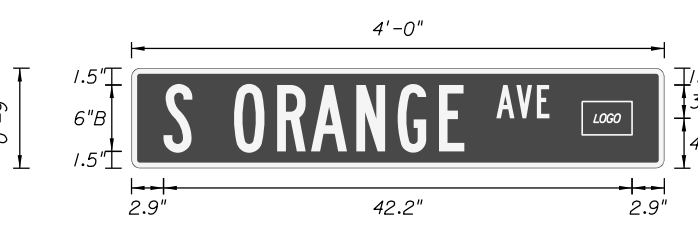
SIGN NAME	S-40	QTY	2	SIGN NUMBER	STATION(S)
PANEL	BORDER				2101+66
WIDTH	3'-6"	WIDTH	0.5"		3115+72
HEIGHT	0'-9"	RADII	0.75"		
LEGEND	White	COLOR	White		
COLOR	Green				
SYMBOL(S)	ANGLE	X	Y	WID	HT
SNS LOGO	0	35.3	3	4.5	3
SIGN NUMBER	CLEARANCE Edge Of Lane	COLUMN SIZE	AVERAGE LENGTH		



NO. OF LIGHT FIXTURES	FIXTURE SPACING	PHOTOMETRIC CURVE	WATT	VOLTAGE

COPY		R	D	L																
SPACE	25.4	2.2	1.7	12.7	3.9															
COPY		G	L	A	D	E	L													
SPACE	2.3	4.6	3.4	4.7	4.6	3.1	19.5	20.3												
COPY																				
SPACE																				
COPY																				
SPACE																				
COPY																				
SPACE																				

SIGN NAME	S-42	QTY	2	SIGN NUMBER	STATION(S)
PANEL	BORDER				3160+66
WIDTH	4'-0"	WIDTH	0.5"		810+22
HEIGHT	0'-9"	RADII	0.75"		
LEGEND	White	COLOR	White		
COLOR	Green				
SYMBOL(S)	ANGLE	X	Y	WID	HT
SNS LOGO	0	40.6	3	4.5	3
SIGN NUMBER	CLEARANCE Edge Of Lane	COLUMN SIZE	AVERAGE LENGTH		



NO. OF LIGHT FIXTURES	FIXTURE SPACING	PHOTOMETRIC CURVE	WATT	VOLTAGE

COPY		A	V	E	L															
SPACE	32.9	1.8	1.8	1.1	10.3	4.8														
COPY		S	O	R	A	N	G	E	L											
SPACE	2.9	2.6	3.7	3.9	3.1	4.1	3.7	3.7	2.3	18	27.1									
COPY																				
SPACE																				
COPY																				
SPACE																				

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

SUSANNE S. HERTZ, P.E. PE No. 49486
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 CERTIFICATION OF AUTHORIZATION # 27392

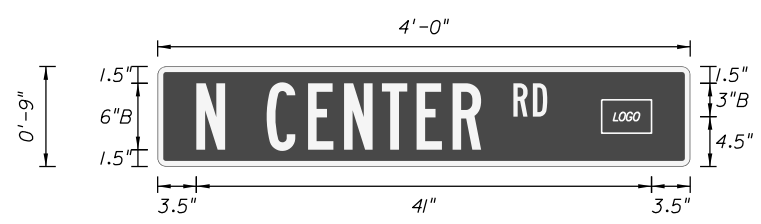
STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
429	SEMINOLE	240200-2-52-01

GUIDE SIGN WORK SHEET

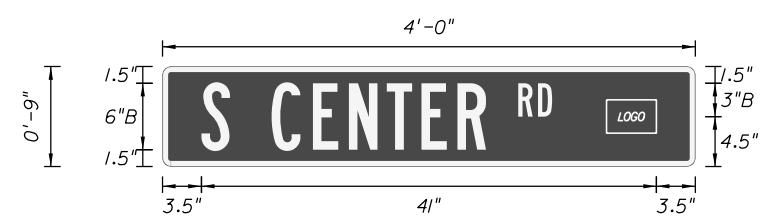
SHEET NO.
S-61

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SIGN NAME	S-43	QTY	1	SIGN NUMBER	STATION(S)
PANEL	BORDER				3169+93
WIDTH	4'-0"	WIDTH	0.5"		
HEIGHT	0'-9"	RADII	0.75"		
LEGEND	White	COLOR	White		
COLOR	Green				
SYMBOL(S)	ANGLE	X	Y	WID	HT
SNS LOGO	0	40	3	4.5	3
SIGN NUMBER	CLEARANCE Edge Of Lane	COLUMN SIZE	AVERAGE LENGTH		



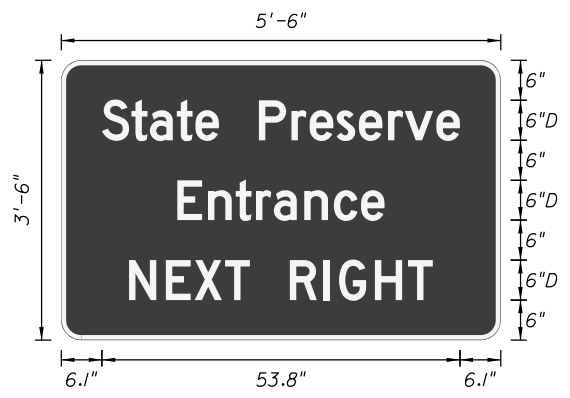
SIGN NAME	S-44	QTY	1	SIGN NUMBER	STATION(S)
PANEL	BORDER				2156+43
WIDTH	4'-0"	WIDTH	0.5"		
HEIGHT	0'-9"	RADII	0.75"		
LEGEND	White	COLOR	White		
COLOR	Green				
SYMBOL(S)	ANGLE	X	Y	WID	HT
SNS LOGO	0	40	3	4.5	3
SIGN NUMBER	CLEARANCE Edge Of Lane	COLUMN SIZE	AVERAGE LENGTH		



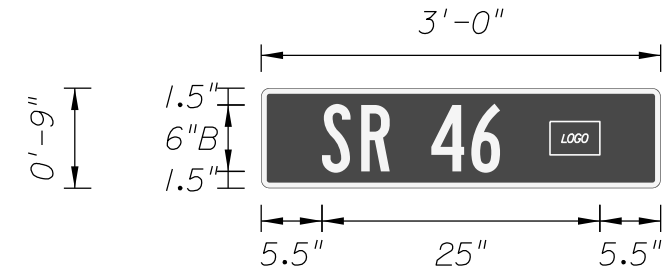
COPY		R	D	L																
SPACE	32.1	1.8	1.3	12.9	3.1															
COPY		N	C	E	N	T	E	R	L											
SPACE	3.5	2.6	3.8	3.7	3.2	3.4	3.1	3.2	2.6	18.9	25.6									
COPY																				
SPACE																				

COPY		R	D	L																
SPACE	32	1.8	1.3	12.9	3.1															
COPY		S	C	E	N	T	E	R	L											
SPACE	3.5	2.6	3.8	3.7	3.2	3.4	3.1	3.2	2.6	18.9	25.7									
COPY																				
SPACE																				

SIGN NAME	S-45	QTY	1	SIGN NUMBER	STATION(S)
PANEL	BORDER				3047+20
WIDTH	5'-6"	WIDTH	0.75"		
HEIGHT	3'-6"	RADII	3"		
LEGEND	White	COLOR	White		
COLOR	Brown				
SYMBOL(S)	ANGLE	X	Y	WID	HT
SIGN NUMBER	CLEARANCE Edge Of Lane	COLUMN SIZE	AVERAGE LENGTH		



SIGN NAME	S-46	QTY	10	SIGN NUMBER	STATION(S)
PANEL	BORDER				2044+19
WIDTH	3'-0"	WIDTH	0.5"		2052+86
HEIGHT	0'-9"	RADII	0.75"		2065+41
LEGEND	White	COLOR	White		2093+57
COLOR	Green				2101+66
					3115+72
					2148+77
					3160+66
					3169+93
					2156+43
SYMBOL(S)	ANGLE	X	Y	WID	HT
SNS LOGO	0	26	3	4.5	3
SIGN NUMBER	CLEARANCE Edge Of Lane	COLUMN SIZE	AVERAGE LENGTH		



COPY		S	t	a	t	e		P	r	e	s	e	r	v	e	L					
SPACE	6.1	4.4	2.8	4	2.8	3.5	6	4.9	2.8	4	3.4	4.4	2.5	4.7	3.5	6.1	53.8				
COPY		E	n	t	r	a	n	c	e	L											
SPACE	17.4	4.6	4.1	3.1	2.7	4.6	4.4	4.1	3.5	17.5	31.1										
COPY		N	E	X	T		R	I	G	H	T	L									
SPACE	10.2	5.5	4.3	4.6	3.7	6	5.1	2.3	5.4	5	3.7	10.2	45.6								
COPY																					
SPACE																					

COPY		S	R		4	6	L													
SPACE	5.5	3.5	2.6	3.8	3.6	2.6	14.5	16												
COPY																				
SPACE																				

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

SUSANNE S. HERTZ, P.E. PE No. 49486
 Traffic Engineering Data Solutions, Inc.
 80 Spring Vista Drive Phone: 386.753.0558
 DeBary, FL 32713 Fax: 386.753.0778
 CERTIFICATION OF AUTHORIZATION # 27392

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
429	SEMINOLE	240200-2-52-01

GUIDE SIGN WORK SHEET

SHEET NO.
S-62

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

SIGN NAME	S-47	QTY	/	SIGN NUMBER	STATION(S)
PANEL	BORDER	3104+40			
WIDTH	8'-6"	WIDTH	0.75"		
HEIGHT	3'-6"	RADII	3"		
LEGEND	White	COLOR	White		
COLOR	Green				
SYMBOL(S)	ANGLE	X	Y	WID	HT
AR_Type D	90	46.5	6	6	9
SIGN NUMBER	CLEARANCE Edge Of Lane	COLUMN SIZE		AVERAGE LENGTH	



NO. OF LIGHT FIXTURES	FIXTURE SPACING	PHOTOMETRIC CURVE	WATT	VOLTAGE
-----------------------	-----------------	-------------------	------	---------

COPY	S	p	o	r	t	s	T	r	a	i	n	i	n	g	C	e	n	t	e	r	L				
SPACE	8.2	5	4.3	4.6	2.5	2.7	2.8	6	4.5	2.7	4.6	2.2	4.7	2.2	4.4	3.6	6	5	4.4	4.1	2.8	4.4	2.3	8.1	85.7

COPY	S	y	l	v	a	n	L	a	k	e	P	a	r	k	L				
SPACE	16.6	4.5	5.2	1.7	4.7	4.6	3.5	6	4.2	4.6	4.3	3.5	6	4.6	4.6	3	3.8	16.6	68.8

SIGN NAME	S-48	QTY	/	SIGN NUMBER	STATION(S)
PANEL	BORDER	2077+60			
WIDTH	8'-6"	WIDTH	0.75"		
HEIGHT	3'-6"	RADII	3"		
LEGEND	White	COLOR	White		
COLOR	Green				
SYMBOL(S)	ANGLE	X	Y	WID	HT
AR_Type D	90	46.5	6	6	9
SIGN NUMBER	CLEARANCE Edge Of Lane	COLUMN SIZE		AVERAGE LENGTH	



NO. OF LIGHT FIXTURES	FIXTURE SPACING	PHOTOMETRIC CURVE	WATT	VOLTAGE
-----------------------	-----------------	-------------------	------	---------

COPY	S	p	o	r	t	s	T	r	a	i	n	i	n	g	C	e	n	t	e	r	L				
SPACE	8.2	5	4.3	4.6	2.5	2.7	2.8	6	4.5	2.7	4.6	2.2	4.7	2.2	4.4	3.6	6	5	4.4	4.1	2.8	4.4	2.3	8.1	85.7

COPY	S	y	l	v	a	n	L	a	k	e	P	a	r	k	L				
SPACE	16.6	4.5	5.2	1.7	4.7	4.6	3.5	6	4.2	4.6	4.3	3.5	6	4.6	4.6	3	3.8	16.6	68.8

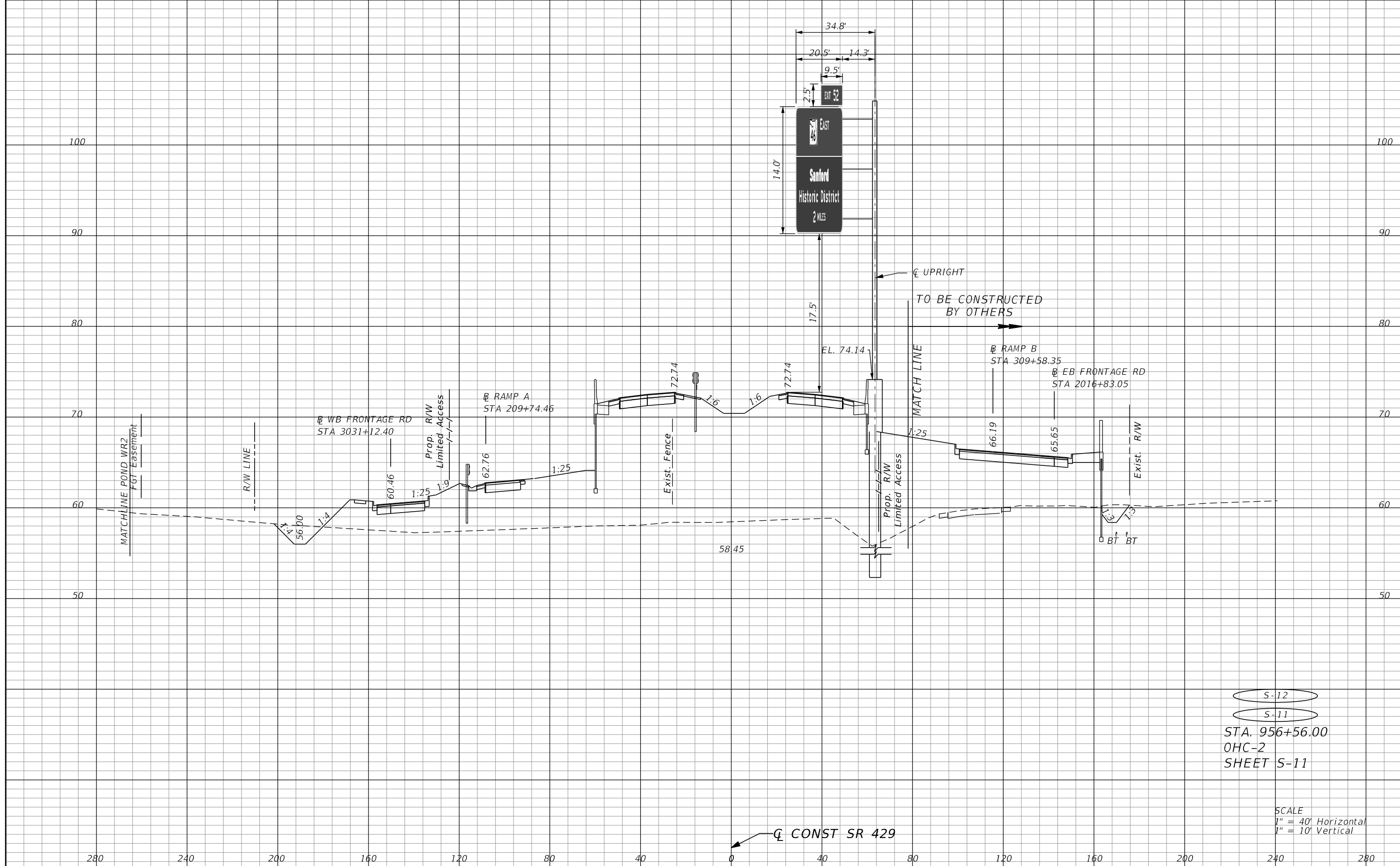
REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

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STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
429	SEMINOLE	240200-2-52-01

GUIDE SIGN WORK SHEET	
SHEET NO.	S-63

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



S-12
 S-11
 STA. 956+56.00
 OHC-2
 SHEET S-11

SCALE
 1" = 40' Horizontal
 1" = 10' Vertical

Q CONST SR 429

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

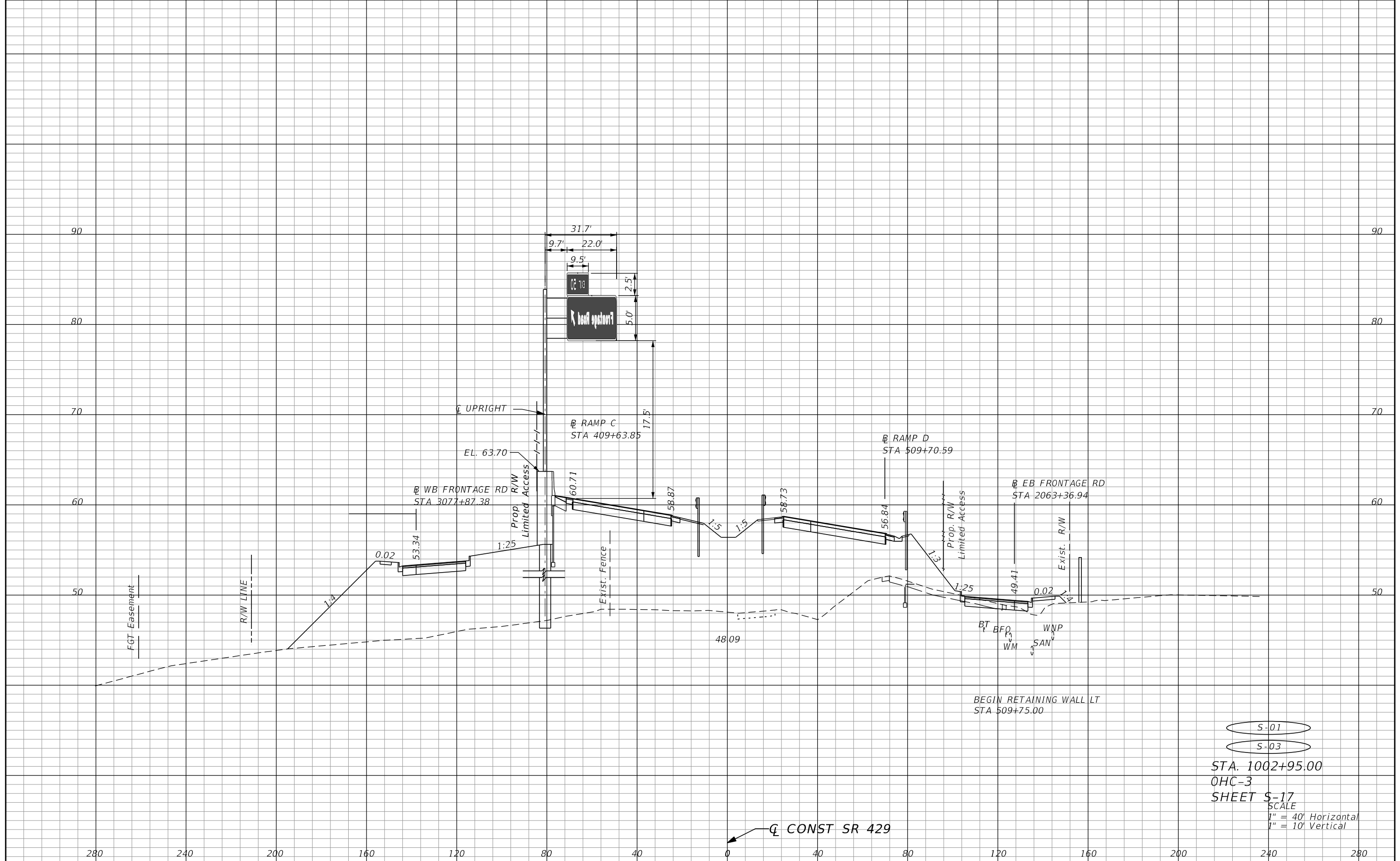
SUSANNE S. HERTZ, P.E. PE No. 49486
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 CERTIFICATION OF AUTHORIZATION # 27392

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
429	SEMINOLE	240200-2-52-01

OVERHEAD SIGN CROSS SECTION
SR 429

SHEET NO.
 S-64

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



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

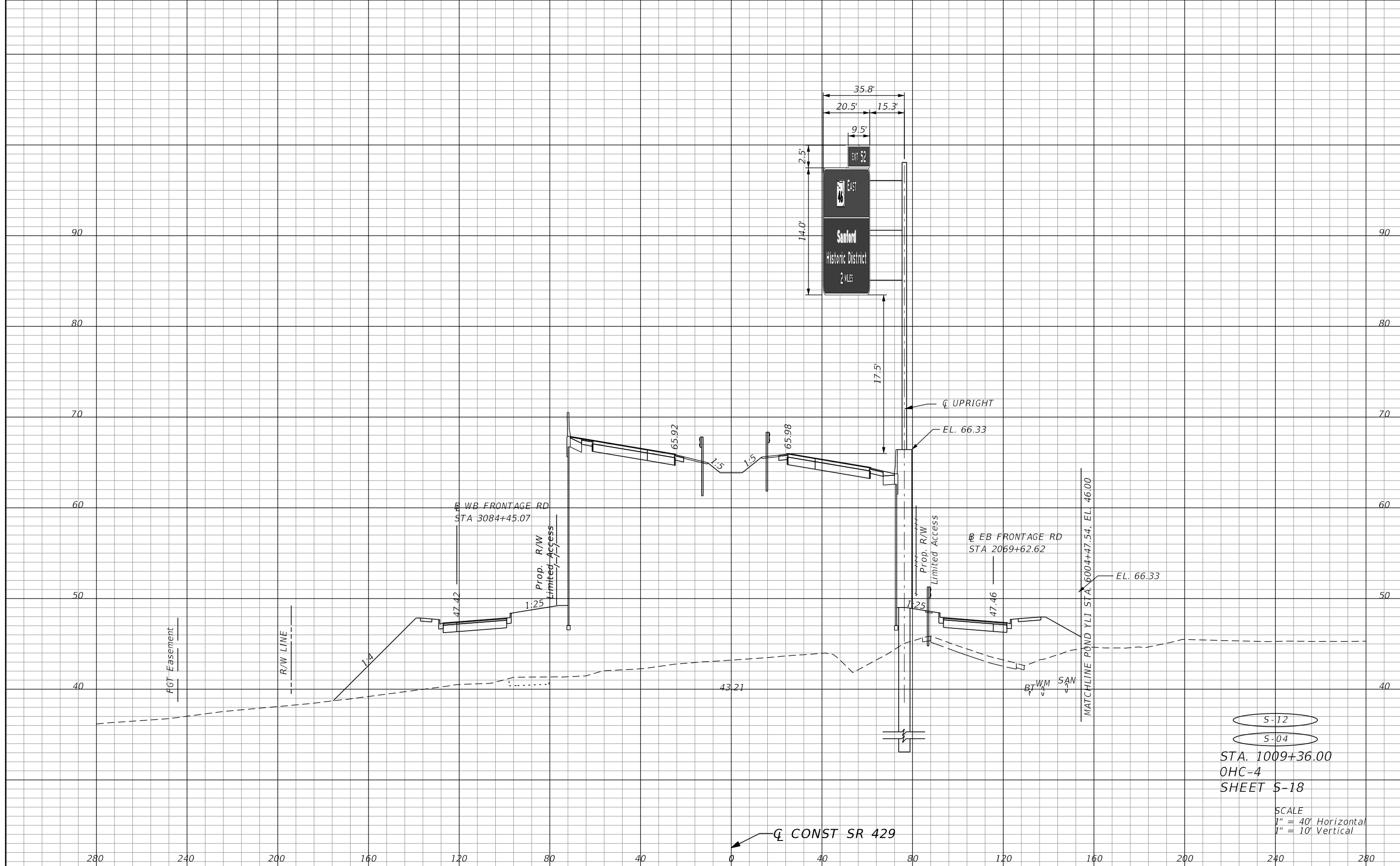
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 CERTIFICATION OF AUTHORIZATION # 27392

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
429	SEMINOLE	240200-2-52-01

OVERHEAD SIGN CROSS SECTION
SR 429

SHEET NO.
 S-65

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



S-12
 S-04
 STA. 1009+36.00
 OHC-4
 SHEET S-18
 SCALE
 1" = 40' Horizontal
 1" = 10' Vertical

REVISIONS	
DATE	DESCRIPTION

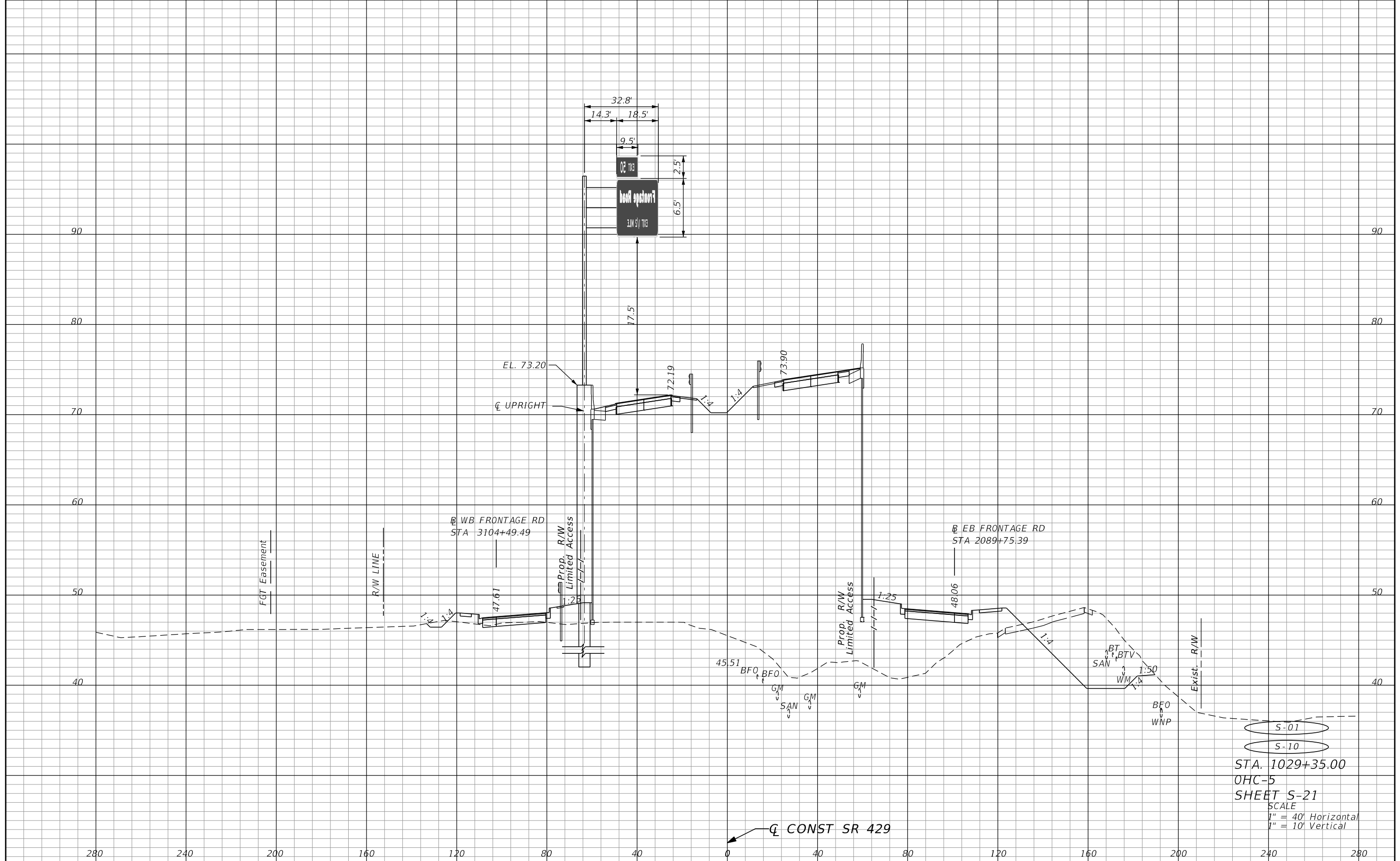
SUSANNE S. HERTZ, P.E. PE No. 49486
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 CERTIFICATION OF AUTHORIZATION # 27392

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
429	SEMINOLE	240200-2-52-01

OVERHEAD SIGN CROSS SECTION
SR 429

SHEET NO.
 S-66

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



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

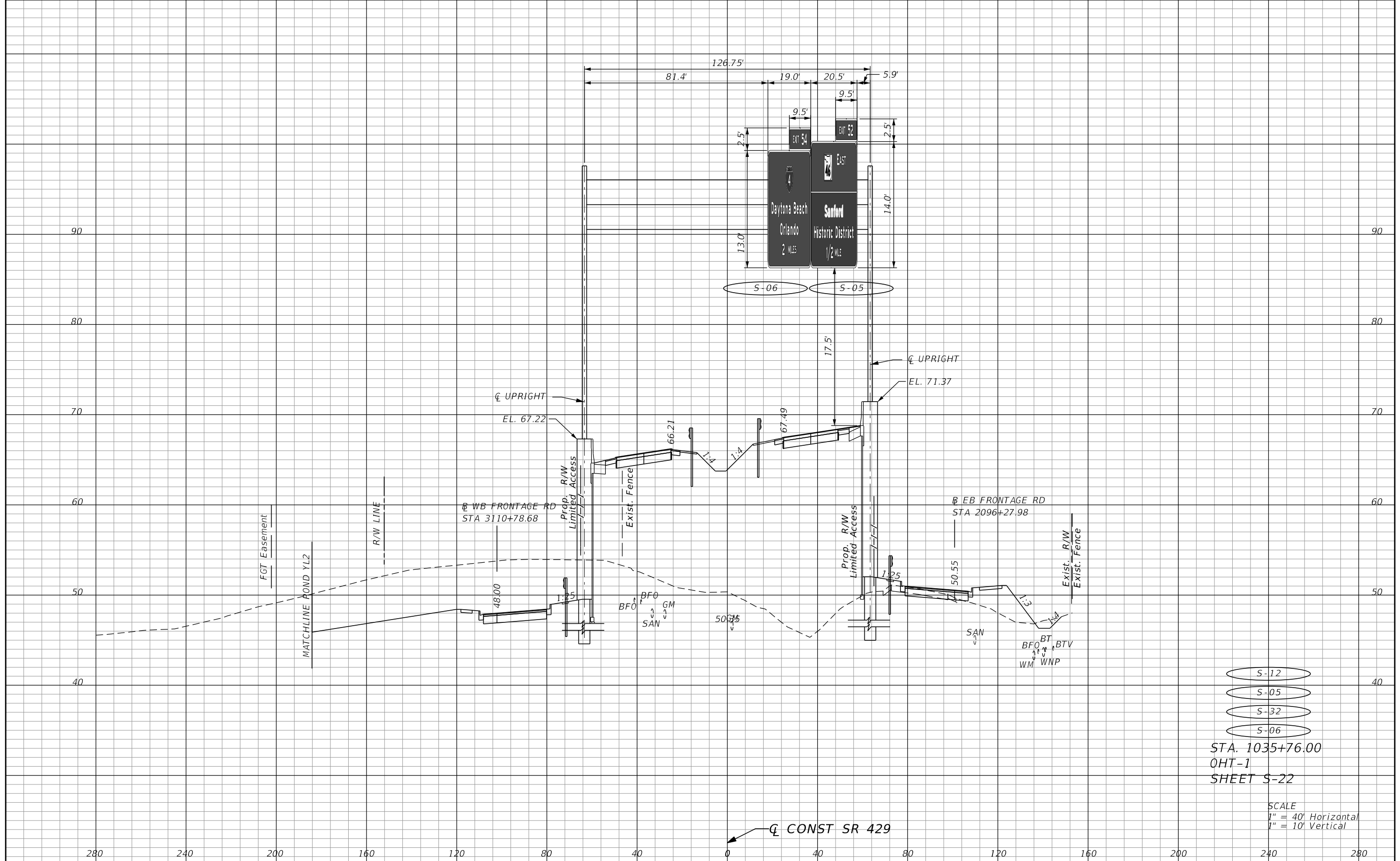
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 CERTIFICATION OF AUTHORIZATION # 27392

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
429	SEMINOLE	240200-2-52-01

OVERHEAD SIGN CROSS SECTION
SR 429

SHEET NO.
 S-67

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



S-12
 S-05
 S-32
 S-06
 STA. 1035+76.00
 OHT-1
 SHEET S-22

SCALE
 1" = 40' Horizontal
 1" = 10' Vertical

Q CONST SR 429

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

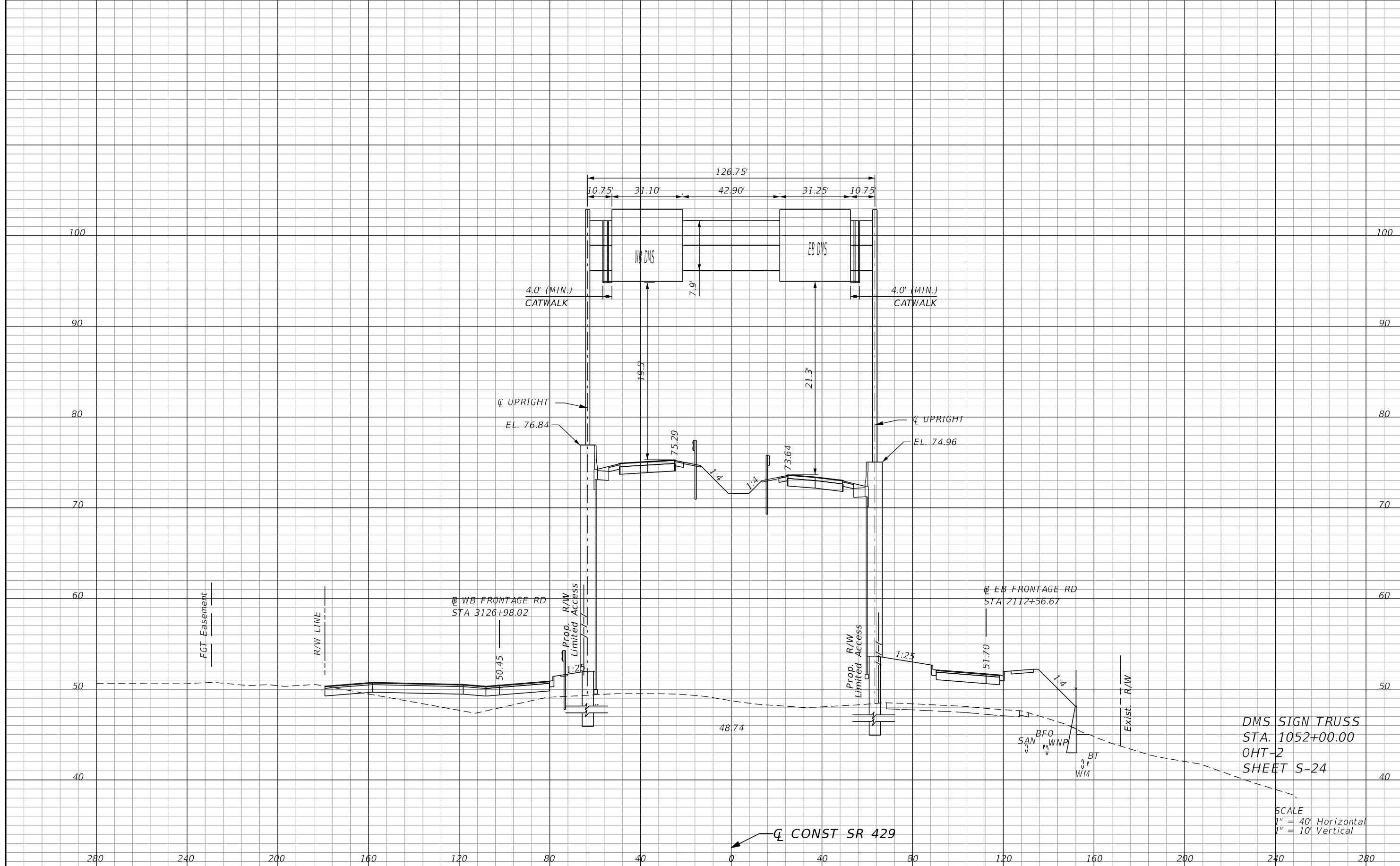
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 CERTIFICATION OF AUTHORIZATION # 27392

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
429	SEMINOLE	240200-2-52-01

OVERHEAD SIGN CROSS SECTION
SR 429

SHEET NO.
 S-68

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



DMS SIGN TRUSS
 STA. 1052+00.00
 OHT-2
 SHEET S-24

SCALE
 1" = 40' Horizontal
 1" = 10' Vertical

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

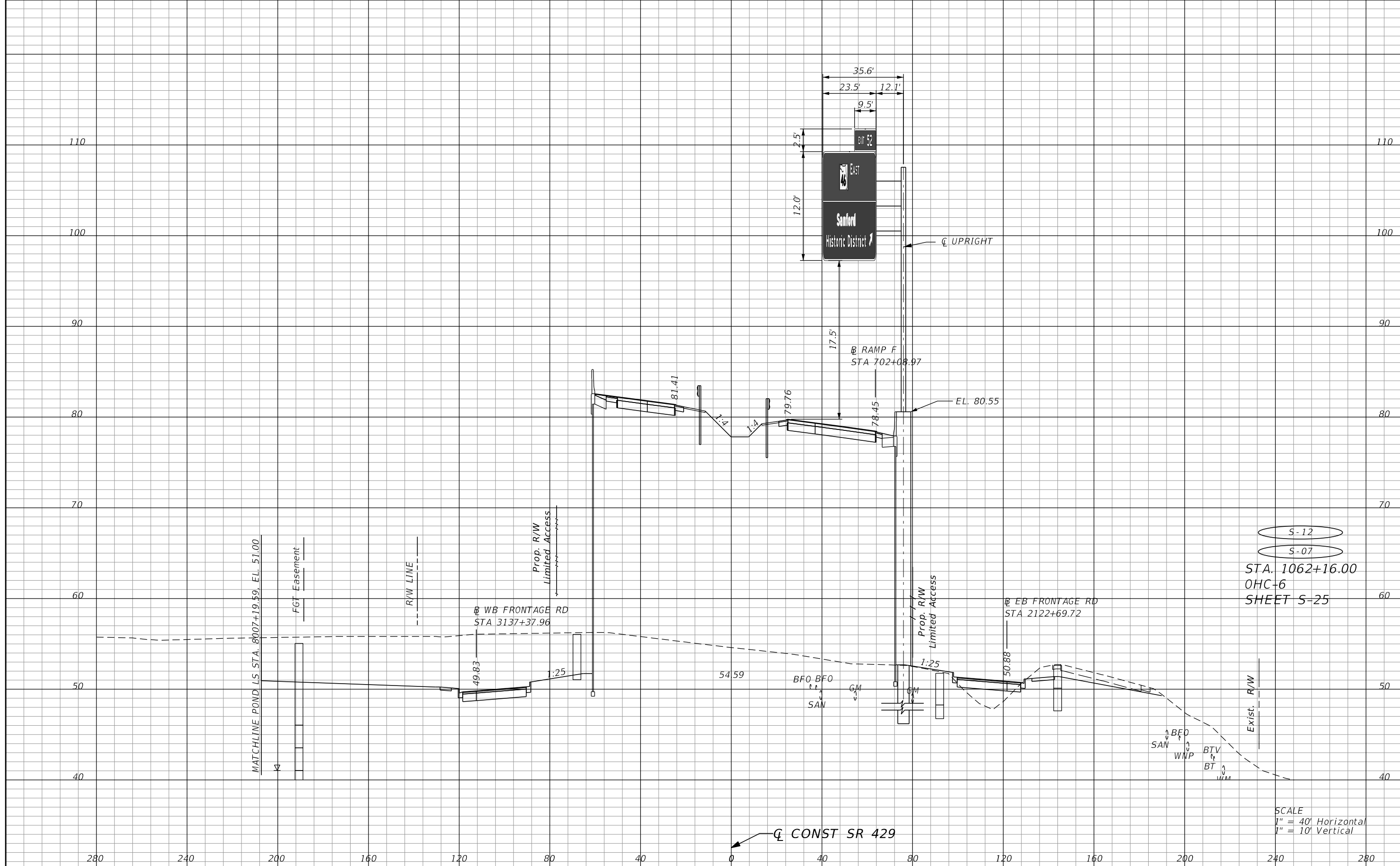
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 CERTIFICATION OF AUTHORIZATION # 27392

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
429	SEMINOLE	240200-2-52-01

OVERHEAD SIGN CROSS SECTION
SR 429

SHEET NO.
 S-69

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



S-12
S-07
STA. 1062+16.00
OHC-6
SHEET S-25

SCALE
1" = 40' Horizontal
1" = 10' Vertical

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

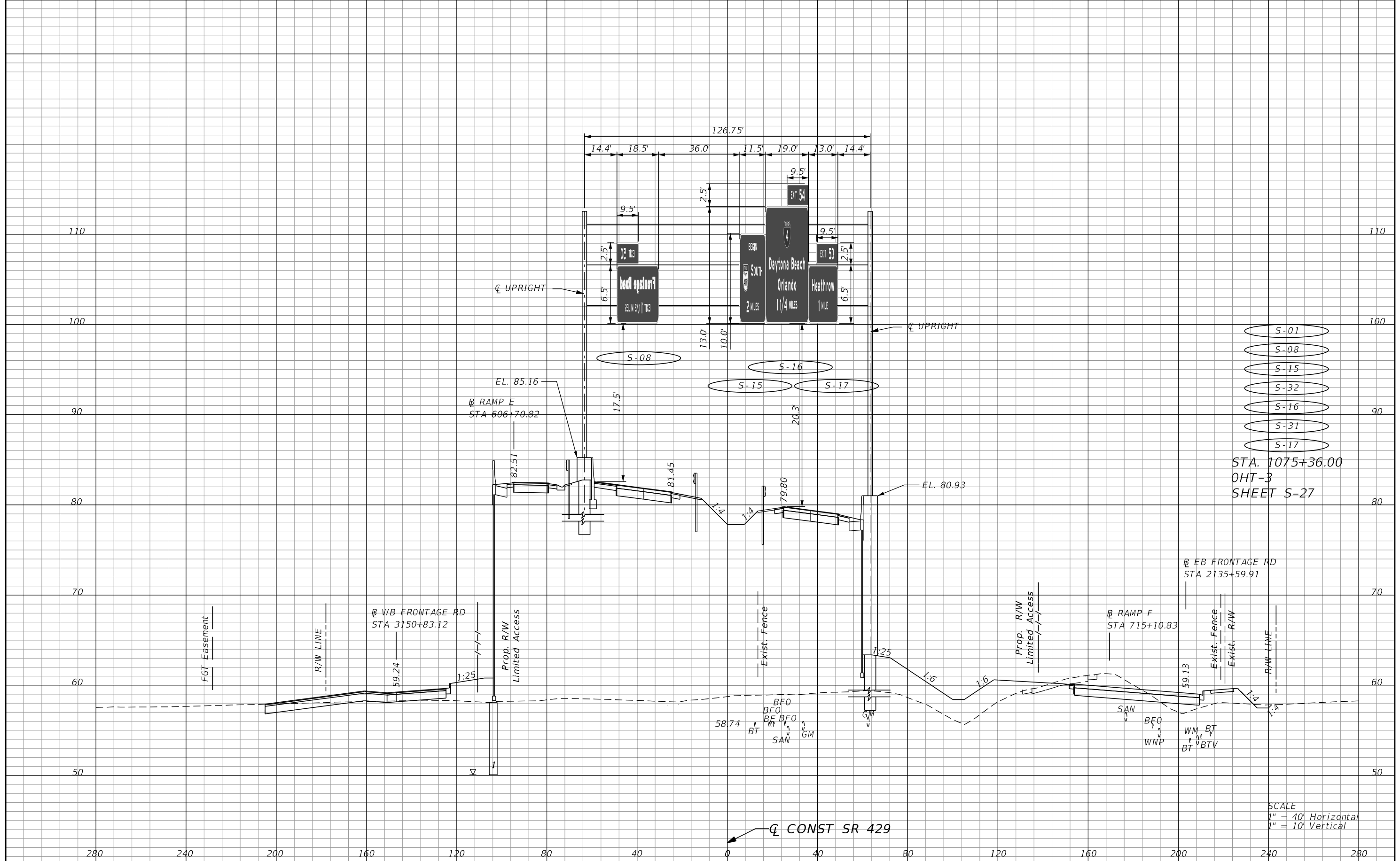
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CERTIFICATION OF AUTHORIZATION # 27392

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
429	SEMINOLE	240200-2-52-01

OVERHEAD SIGN CROSS SECTION
SR 429

SHEET NO.
S-70

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



- S-01
 - S-08
 - S-15
 - S-32
 - S-16
 - S-31
 - S-17
- STA. 1075+36.00
OHT-3
SHEET S-27

SCALE
1" = 40' Horizontal
1" = 10' Vertical

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

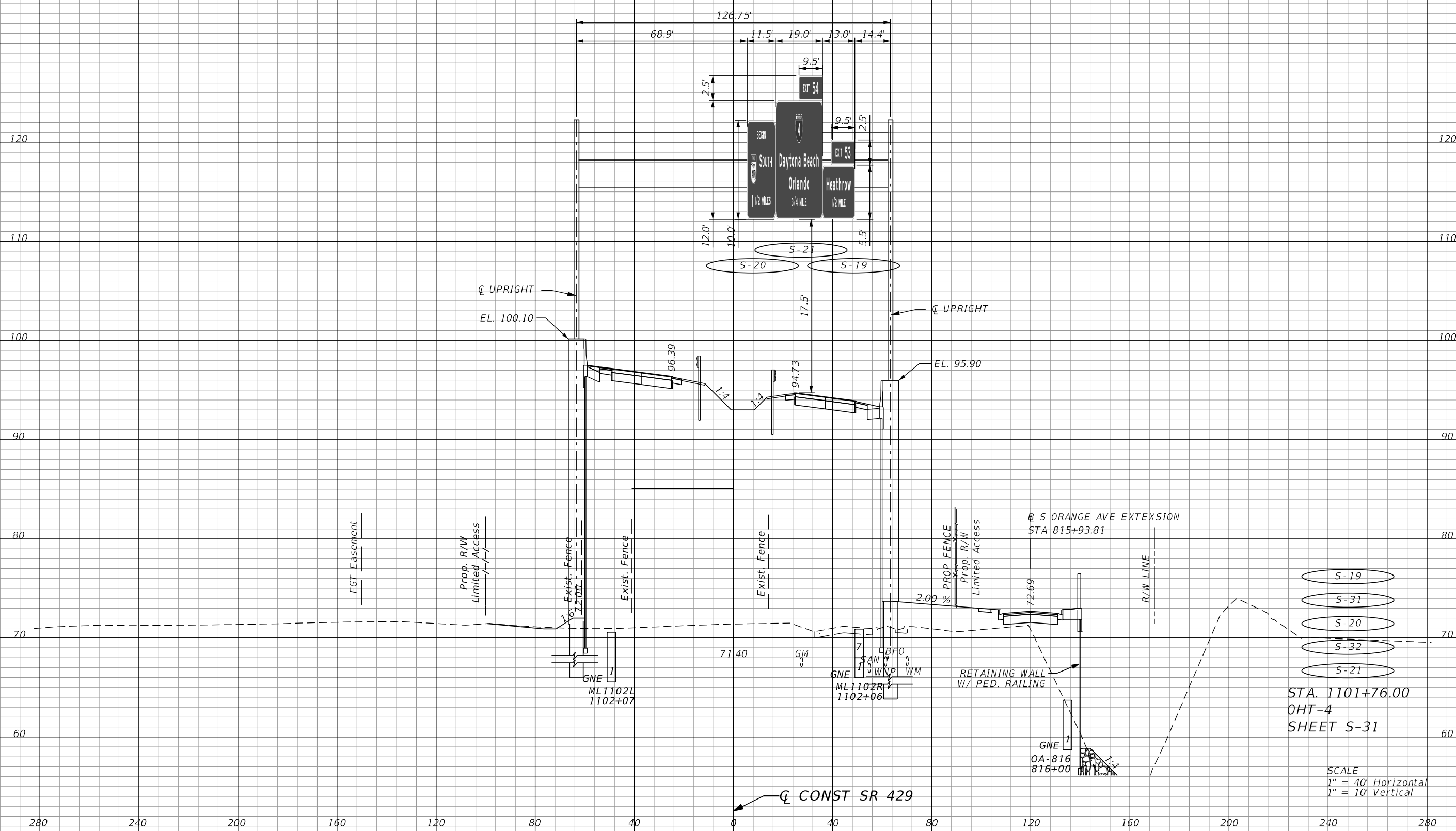
SUSANNE S. HERTZ, P.E. PE No. 49486
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CERTIFICATION OF AUTHORIZATION # 27392

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
429	SEMINOLE	240200-2-52-01

OVERHEAD SIGN CROSS SECTION
SR 429

SHEET NO.
S-71

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



S-19
S-31
S-20
S-32
S-21
STA. 1101+76.00
OHT-4
SHEET S-31

SCALE
1" = 40' Horizontal
1" = 10' Vertical

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

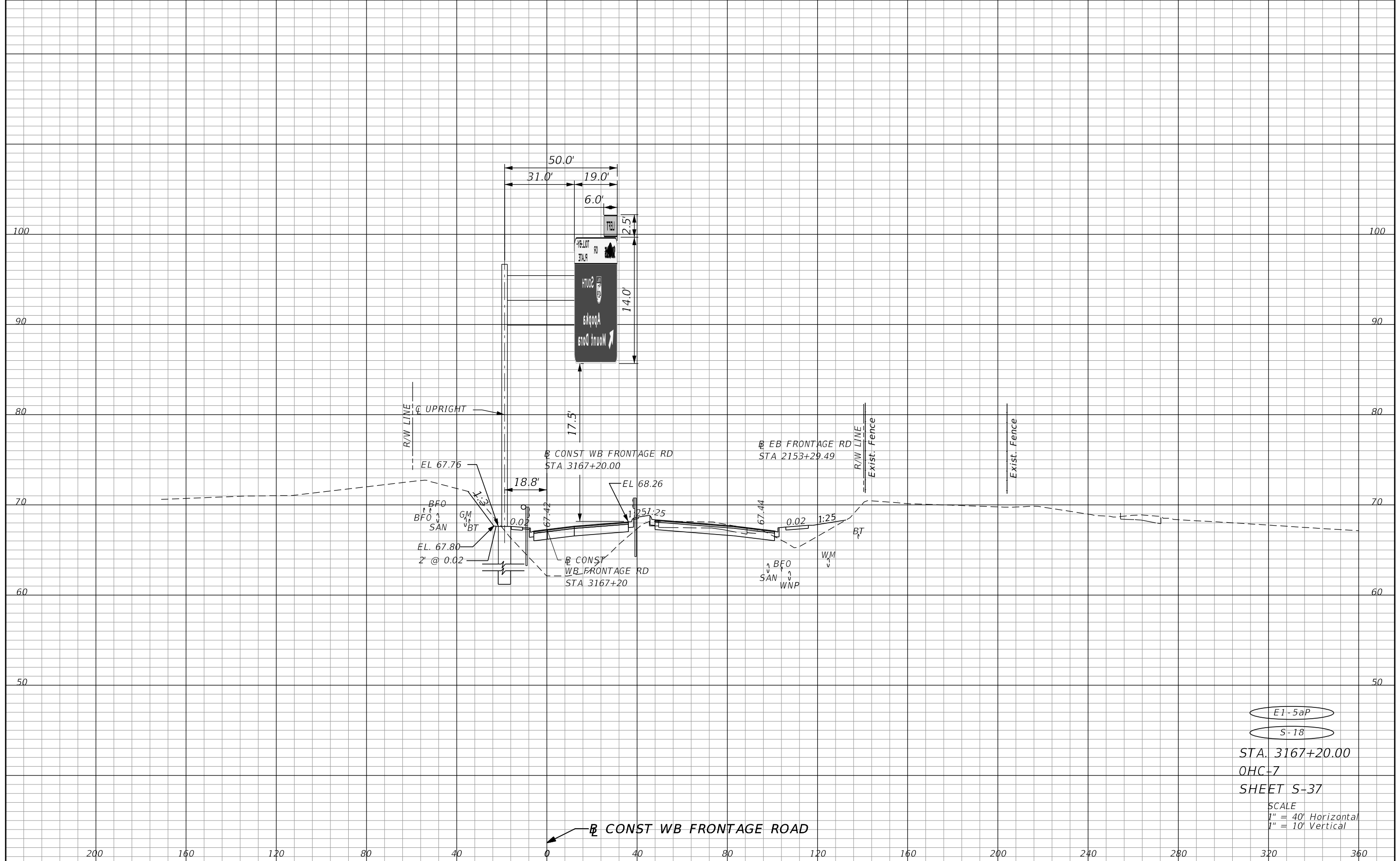
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CERTIFICATION OF AUTHORIZATION # 27392

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
429	SEMINOLE	240200-2-52-01

OVERHEAD SIGN CROSS SECTION
SR 429

SHEET NO.
S-72

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



E1-5aP
S-18

STA. 3167+20.00
OHC-7
SHEET S-37

SCALE
1" = 40' Horizontal
1" = 10' Vertical

CONST WB FRONTAGE ROAD

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

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CERTIFICATION OF AUTHORIZATION # 27392

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
429	SEMINOLE	240200-2-52-01

OVERHEAD SIGN CROSS SECTION
WB FRONTAGE RD

SHEET NO.
S-73

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

CANTILEVER SIGN STRUCTURES DATA TABLE										Table Date 07-01-14		
SIGN NO.	SR 429 STATION/OFFSET	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
OHC-1	947+57/76.391' RT.	SIGN MOVED TO SECTION 6 AS PART OF 2017 PLANS UPDATE										
OHC-2	956+56/63.375' RT.	23.1790	8	7-1/4	66	4	5.56 x 0.375		3-1/2 x 3-1/2 x 5/16	24.00 x 0.750		3.0964
OHC-3	1002+95/81.106' LT.	17.4170	6	3-1/2	53.5	5	3.50 x 0.216		2-1/2 x 2-1/2 x 1/4	18.00 x 0.438		2.5285
OHC-4	1009+36/76.375' RT.	24.1510	8	10-1/4	66	4	5.56 x 0.375		3-1/2 x 3-1/2 x 5/16	24.00 x 0.750		3.4452
OHC-5	1029+35/63.375' LT.	19.7410	6	5-1/2	53.5	5	4.00 x 0.226		2-1/2 x 2-1/2 x 1/4	20.00 x 0.500		2.4528
OHC-6	1062+16/76.395' RT.	22.7070	8	10-1/4	66	4	5.56 x 0.375		3-1/2 x 3-1/2 x 5/16	24.00 x 0.750		3.0224

- NOTES [Notes Date 7-01-13]:
1. Work these Data Tables with Index 11310 and Sheets S-79 and S-80. The length of Bars 'FC' shall be as indicated on Sheet S-80.
 2. Design Wind Speed = 150 mph.
 3. Upright wall thickness given is a minimum dimension.

- FOUNDATION NOTES [Notes Date 7-01-12]:
1. Drilled Shafts shall be constructed prior to MSE Wall construction.
 2. Design based on Borings taken sealed by Geotechnical & Environmental Consultants, Inc.
 3. Assumptions and Values used in design:
Soil Type = Sand
Soil Layer Thickness = 40 ft.
Soil Friction Angle = 30 deg.
Soil Weight = 105 pcf
Design Water Table is at ground 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	in	#	#	in	in	in	in	in	in	in	in	in	in	in
OHC-1	SIGN MOVED TO SECTION 6 AS PART OF 2017 PLANS UPDATE																											
OHC-2	3/8	5/8	1	3-1/2	6-1/4	1	1-1/4	5	1	1/4	5-1/4	1	10-1/2	3/16	7/8	6	6	5/8	1/2	1/4	3/16	3/16	3/16	NO SPLICE	NA	NA	NA	
OHC-3	3/8	5/8	1	0	5-3/4		10	5	1	1	5-1/2		9-1/4	1/8	7/8	6	6	1/2	1/2	3/16	3/16	1/8	1/8	NO SPLICE	NA	NA	NA	
OHC-4	3/8	3/4	1	4-3/4	6-3/4	1	2	5-1/2	1	2	5-1/2		11	3/16	7/8	6	6	5/8	1/2	5/16	3/16	3/16	3/16	NO SPLICE	NA	NA	NA	
OHC-5	3/8	5/8	1	1/2	5-3/4		10-1/2	5	1	6-1/4	5-1/4		10-1/2	1/8	7/8	6	6	1/2	1/2	3/16	3/16	1/8	1/8	NO SPLICE	NA	NA	NA	
OHC-6	3/8	5/8	1	4	6-1/4	1	1-1/2	5	1	1-3/4	5-1/4		10-1/2	3/16	7/8	6	6	5/8	1/2	5/16	3/16	3/16	3/16	NO SPLICE	NA	NA	NA	

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	ft	in	ft	in	ft	in	# / Size	#	in	#	in		
OHC-1	SIGN MOVED TO SECTION 6 AS PART OF 2017 PLANS UPDATE																					
OHC-2	2-1/4	10		2	5/8	2	6-3/4	5/16	5/16	5/16	1/4	3	9	19	0	5	6	24 / 11	20	6	6	12
OHC-3	2-1/4	8		1-1/2	1/2	2	6-3/4	5/16	5/16	5/16	3/16	3	9	13	0	5	6	24 / 11	6	12	4	12
OHC-4	2-1/4	12		1-3/4	1/2	2	6-3/4	5/16	5/16	5/16	1/4	3	9	20	0	5	6	24 / 11	26	6	4	12
OHC-5	2-1/4	8		1-3/4	1/2	2	6-3/4	5/16	5/16	5/16	3/16	3	9	16	0	5	6	24 / 11	9	12	4	12
OHC-6	2-1/4	12		1-3/4	1/2	2	6-3/4	5/16	5/16	5/16	1/4	3	9	20	0	5	6	24 / 11	26	6	4	12

*See Note 1

REVISIONS DATE BY DESCRIPTION DATE BY DESCRIPTION						IDA CONSULTING ENGINEERS, INC. 800 N. Magnolia Ave., Suite 1402 Orlando, FL 32803 (407) 540-1410 Cert. of Auth. # 8171 Kevin B. Fischer License # 60074	DRAWN BY: NS 04-17 CHECKED BY: TTW 04-17 DESIGNED BY: KBF 04-17 CHECKED BY: TTW 04-17	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION ROAD NO. COUNTY FINANCIAL PROJECT ID SR 429 SEMINOLE 240200-2-52-01	SHEET TITLE: CANTILEVER SIGN STRUCTURES DATA TABLE (1 OF 2) PROJECT NAME: WEKIVA PARKWAY (SR 429) SECTION 7A	REF. DWG. NO. SHEET NO. 5-74

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CANTILEVER SIGN STRUCTURES DATA TABLE										Table Date 07-01-14	
SIGN NO.	WB FRONTAGE RD. STATION/OFFSET	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
OHC-7	3167+20/18 .800' LT.	25.0000	9	10-3/4	66	5	6.63 x 0.432		3-1/2 x 3-1/2 x 5/16	30.00 x 0.500	5.9040

- NOTES [Notes Date 7-01-13]:
1. Work these Data Tables with Index 11310, except that 2'-0" (Min.) location of top of drilled shaft above Finished Grade shall be eliminated. The top of drilled shaft shall instead be constructed at Elevation 67.67 due to the adjacent sidewalk.
 2. Design Wind Speed = 150 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 Geotechnical & Environmental Consultants, Inc.
 2. Assumptions and Values used in design:
Soil Type = Sand
Soil Layer Thickness = 23 ft.
Soil Friction Angle = 32 deg.
Soil Weight = 110 pcf
Design Water Table is at ground 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	Angle (in)	#	in	#	
OHC-7	3/8	5/8	1	6-1/4		6-1/4	1	3-1/2			5	9-3/4	4-1/4	1	1/2	3/16	7/8	8	6	5/8	1/2	1/4	3/16	3/16	3/16	6 x 6 x 1/2	6	1	2	

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	
OHC-7	2-1/4	10		2	1/2	2	6-3/4	5/16	5/16	5/16	3/16	3	9	23	0	5	6	24 / 11	18	4	27	6

REVISIONS DATE BY DESCRIPTION DATE BY DESCRIPTION						IDA CONSULTING ENGINEERS, INC. 800 N. Magnolia Ave., Suite 1402 Orlando, FL 32803 (407) 540-1410 Cert. of Auth. # 8171 Kevin B. Fischer License # 60074	DRAWN BY: NS 04-17 CHECKED BY: TTW 04-17 DESIGNED BY: KBF 04-17 CHECKED BY: TTW 04-17	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			SHEET TITLE: CANTILEVER SIGN STRUCTURES DATA TABLE (2 OF 2)		REF. DWG. NO.
								ROAD NO.	COUNTY	FINANCIAL PROJECT ID	PROJECT NAME:		SHEET NO.
								SR 429	SEMINOLE	240200-2-52-01	WEKIVA PARKWAY (SR 429) SECTION 7A		5-75

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SPAN SIGN STRUCTURES DATA TABLE

Table Date 01-01-11

SIGN#	SR 429 STATION	DIMENSIONS				PNLS	MEMBER SIZES							SPLICE				
		A	B	C	D		F (CHORD)		G (WEB)		H (LEFT UPRIGHT)		J (RIGHT UPRIGHT)		K (CAMBER)	SA	SB	SC
		ft	ft	ft	#		O. D. x Wall Thk. (in)		Angle (in)		O. D. x Wall Thk. (in)		O. D. x Wall Thk. (in)		in	Angle (in)	#	in
OHT-1	1035+76.000	126.7500	25.5630	21.4160	11	108	6.63 x 0.432		5 x 5 x 1/2		24.00 x 0.562		24.00 x 0.562		2	6 x 6 x 1/2	6	1
OHT-2	1052+00.000	126.7500	22.3230	24.2050	13	66	6.63 x 0.432		3-1/2 x 3-1/2 x 3/8		24.00 x 0.750		24.00 x 0.750		3-3/4	6 x 6 x 1/2	6	1
OHT-3	1075+36.000	126.7500	20.1090	24.4190	11	120	6.63 x 0.432		5 x 5 x 1/2		24.00 x 0.562		24.00 x 0.562		1-3/4	6 x 6 x 1/2	6	1
OHT-4	1101+76.000	126.7500	19.6880	23.8860	11	108	6.63 x 0.432		5 x 5 x 1/2		24.00 x 0.562		24.00 x 0.562		2	6 x 6 x 1/2	6	1

SPAN SIGN STRUCTURES DATA TABLE (CONT.)

Table Date 01-01-11

SIGN#	ALTERNATE SPLICE						GUSSET PLATES																		
	PA	PB	PC	PD	PE	PF	GA	GB	GC		GD		GE		GF		GG		GH		GJ		GK		GL
	in	in	in	in	in	#	in	in	ft	in	ft	in	ft	in	ft	in	ft	in	ft	in	ft	in	ft	in	in
OHT-1	1-1/2	2	3/8	7/16	1	12	1/2	7/8	1	5-3/4	8-1/4	1	5-1/2	7	2	4-3/4	1	9-1/2	10-1/2	1	11-3/4	10	1	11-1/2	3/16
OHT-2	1-1/2	2	3/8	7/16	1	12	3/8	7/8	1	8-1/4	7-1/2	1	7	6-1/2	2	8-3/4	1	2-1/4	7-3/4	1	5-1/2	3/16	3/16	3/16	3/16
OHT-3	1-1/2	2	3/8	7/16	1	12	1/2	3/4	1	3-1/4	7-1/2	1	3-1/4	6-3/4	2	1	1	11-3/4	10	1	11-1/2	3/16	3/16	3/16	3/16
OHT-4	1-1/2	2	3/8	7/16	1	12	1/2	7/8	1	5-3/4	8-1/4	1	5-1/2	7	2	4-3/4	1	7-1/4	10-1/2	1	3	3/16	3/16	3/16	3/16

SPAN SIGN STRUCTURES DATA TABLE (CONT.)

Table Date 01-01-11

SIGN#	LEFT UPRIGHT CONNECTION								RIGHT UPRIGHT CONNECTION							
	LA	LB	LC	LD	LE	LF	LG	LH	RA	RB	RC	RD	RE	RF	RG	RH
	in	#	in	in	in	in	in	in	in	#	in	in	in	in	in	in
OHT-1	7/8	10	1/2	1/2	3/16	3/16	3/16	3/16	7/8	10	1/2	1/2	3/16	3/16	3/16	3/16
OHT-2	7/8	6	1/2	1/2	3/16	3/16	3/16	3/16	7/8	6	1/2	1/2	3/16	3/16	3/16	3/16
OHT-3	1	10	1/2	1/2	3/16	3/16	3/16	3/16	1	10	1/2	1/2	3/16	3/16	3/16	3/16
OHT-4	1	10	1/2	1/2	3/16	3/16	3/16	3/16	1	10	1/2	1/2	3/16	3/16	3/16	3/16

NOTES [Notes Date 7-01-13]:

1. Work these Data Tables with Index 11320 and Sheets S-79 and S-80.
2. Design Wind Speed = 150 mph
3. Upright wall thickness given is a minimum dimension.
4. Erection is the Contractor's responsibility.
To facilitate erection, the Contractor should consider using two vertical lift points, each located near a panel point approximately 20 to 25% of the truss length from each end.
5. 'DC' and 'FC' shall include quantity and size of reinforcing steel. The lengths of bars shall be as indicated on Sheet S-80, except for the left support of OHT-3.

SPAN SIGN STRUCTURES DATA TABLE (CONT.)

Table Date 01-01-11

SIGN#	LEFT BASE CONNECTION										RIGHT BASE CONNECTION											
	BA	BB	BC		BD		BE		BF	BG	BH	BJ	CA	CB	CC	CD		CE	CF	CG	CH	CJ
	in	#	in	in	ft	in	in	in	in	in	in	in	in	#	in	in	ft	in	in	in	in	in
OHT-1	2-1/4	14	1-1/2	1/2	2	5-3/4	5/16	5/16	5/16	5/16	3/16	2-1/4	14	1-1/2	5/8	2	5-3/4	5/16	5/16	5/16	5/16	1/4
OHT-2	2-1/4	12	1-1/2	5/8	2	5-3/4	5/16	5/16	5/16	5/16	1/4	2-1/4	12	1-1/2	3/4	2	5-3/4	5/16	5/16	5/16	5/16	1/4
OHT-3	2-1/4	14	1-1/4	1/2	2	5-3/4	5/16	5/16	5/16	5/16	3/16	2-1/4	14	1-1/2	5/8	2	5-3/4	5/16	5/16	5/16	5/16	1/4
OHT-4	2-1/4	12	1-1/4	3/8	2	5-3/4	5/16	5/16	5/16	5/16	3/16	2-1/4	12	1-1/2	5/8	2	5-3/4	5/16	5/16	5/16	5/16	1/4

FOUNDATION NOTES [Notes Date 7-01-12]:

1. Drilled Shafts shall be constructed prior to MSE Wall construction.
2. Design based on Borings taken sealed by Geotechnical & Environmental Consultants, Inc.
3. Assumptions and Values used in design:
Soil Type = Sand
Soil Layer Thickness = 23 ft. (OHT-2 Right), 24 ft. (OHT-4 Left and Right), 25 ft. (OHT-2 Left), 33 ft. (OHT-3 Right), 37 ft. (OHT-3 Left), 40 ft. (OHT-1 Right), or 45 ft. (OHT-1 Left),
Soil Friction Angle = 28 deg. (OHT-4 Left and Right) or 30 deg. (OHT's-1, 2 and 3 Left and Right),
Soil Weight = 100 pcf (OHT-4 Left and Right) or 105 pcf (OHT's-1, 2 and 3 Left and Right)
Design Water Table is at ground surface

SPAN SIGN STRUCTURES DATA TABLE (CONT.)

Table Date 07-01-14

SIGN#	LEFT DRILLED SHAFT								RIGHT DRILLED SHAFT							
	DA		DB		*DC	DD	DE	DF	FA		FB	*FC	FD	FE	FF	
	ft	in	ft	in	# / size	#	in	in	ft	in	ft	in	# / size	#	in	in
OHT-1	17	0	5	6	24 / 11	13	12	47	22	0	5	6	24 / 11	18	12	47
OHT-2	21	0	5	6	24 / 11	17	12	46	21	0	5	6	24 / 11	17	12	46
OHT-3	20	0	5	6	24 / 11	16	12	46	21	0	5	6	24 / 11	17	12	46
OHT-4	20	0	5	6	24 / 11	16	12	45	22	0	5	6	24 / 11	18	12	45

*See Note 5

UPRIGHT LOCATIONS

SIGN#	SR 429 STATION	UPRIGHT OFFSET	
		LEFT	RIGHT
		OHT-1	1035+76.000
OHT-2	1052+00.000		
OHT-3	1075+36.000		
OHT-4	1101+76.000		

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DESIGNED BY:
KBF 04-17
CHECKED BY:
TTW 04-17

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 429	SEMINOLE	240200-2-52-01

SHEET TITLE:

SPAN SIGN STRUCTURES DATA TABLE

REF. DWG. NO.

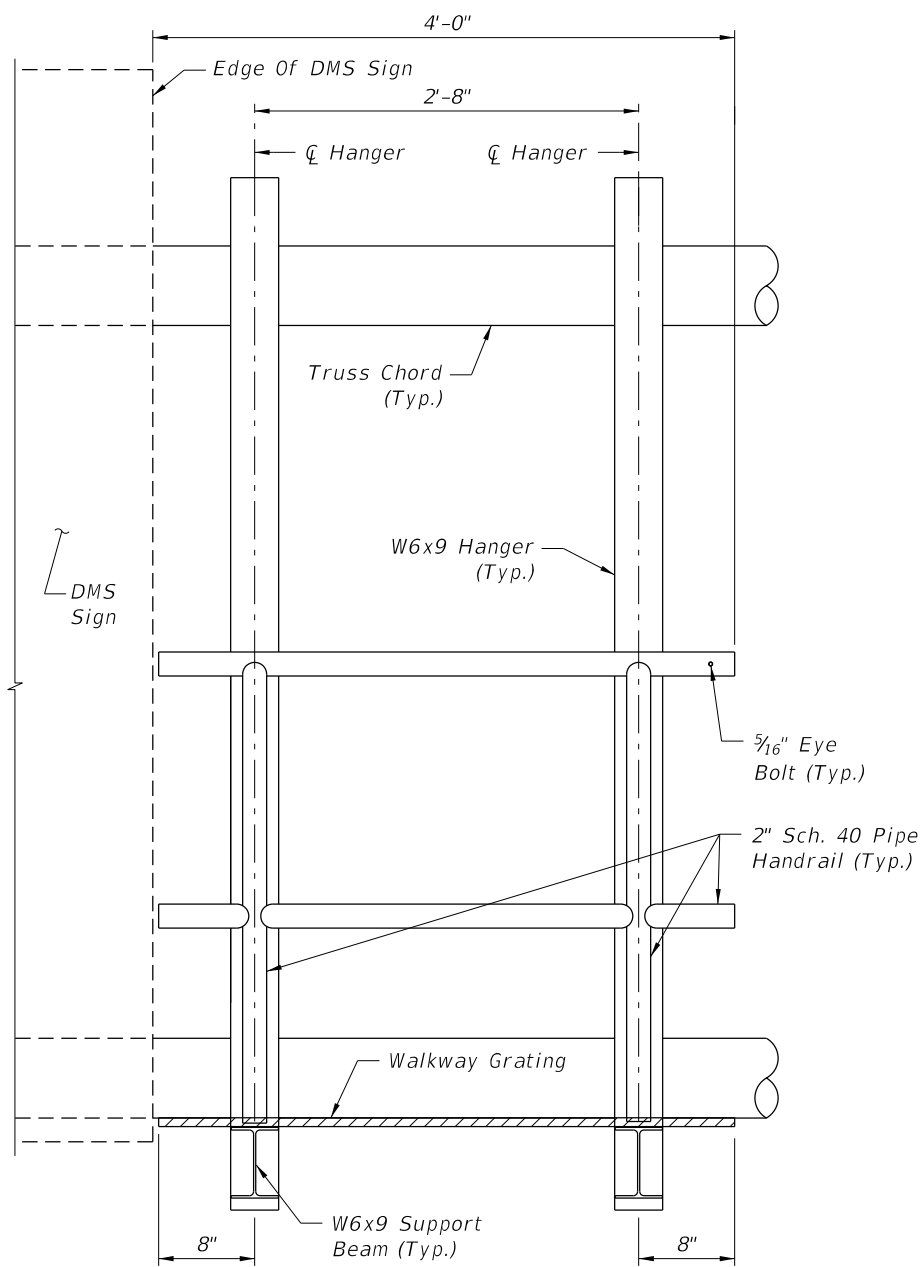
PROJECT NAME:

WEKIVA PARKWAY (SR 429) SECTION 7A

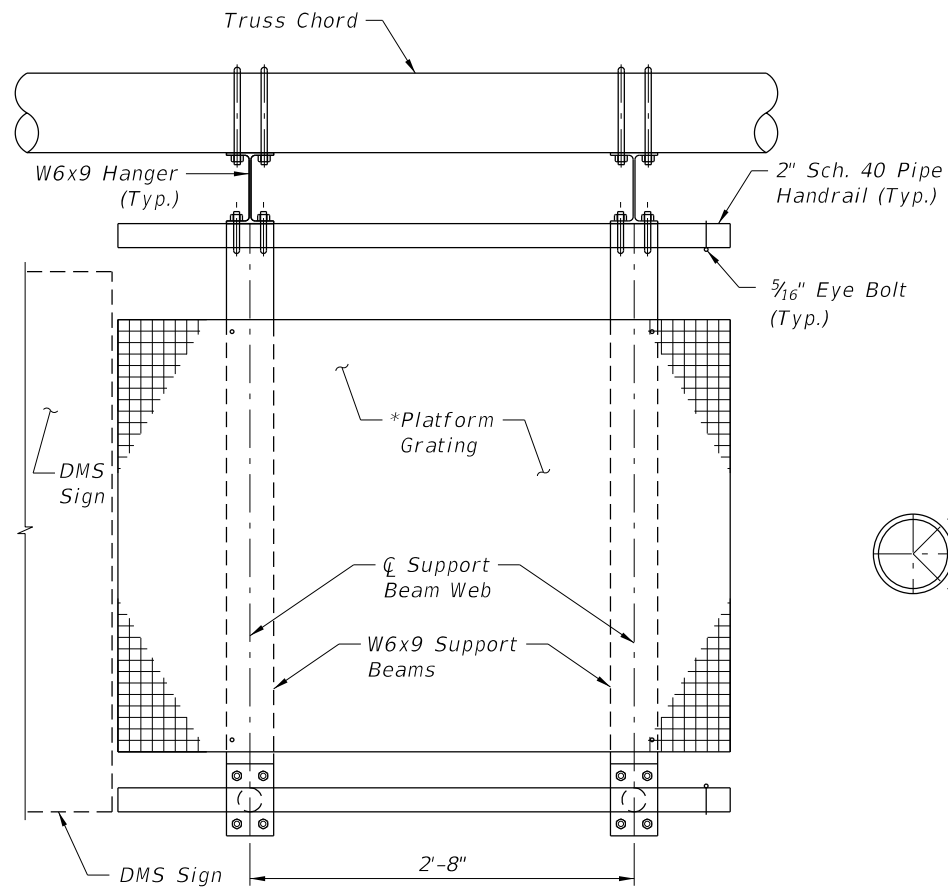
SHEET NO.

S-76

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DMS STRUCTURE WALKWAY ELEVATION

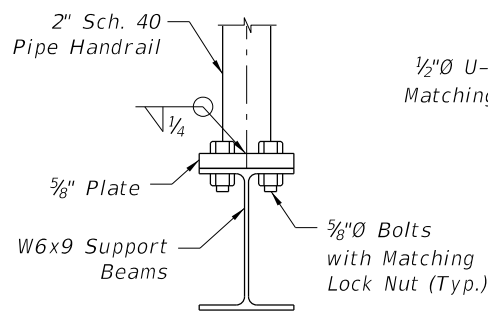


PLAN

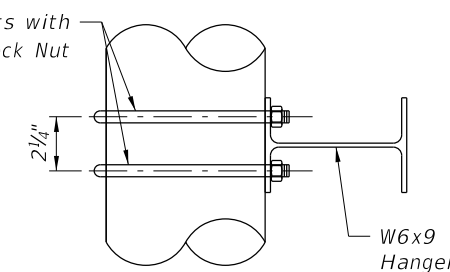
* Attach Platform Grating To Support Beams per Grating Manufacturer's Recommendations



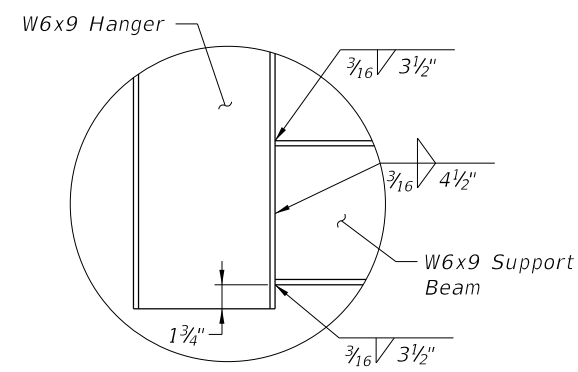
TYPICAL SECTION THROUGH FRONT MOUNTED CATWALK



TYPICAL POST CONNECTION DETAIL



SECTION A-A



DETAIL B

Notes:

1. Design: FDOT Structures Manual dated January 2015.
Design Loads:
Live Load (Walkway Grating) 20 psf or 500 Lb. whichever is greater.
Handrail 50 plf both transversely and vertically, acting simultaneously.
2. Materials:
 - A. All Materials for Walkway, Walkway Support, Steel Shapes and Plates shall conform to ASTM A709 Grade 36.
 - B. Steel Pipes: ASTM A53 Grade B
 - C. U Bolts: ASTM A307
 - D. High Strength Bolts: ASTM A325 Type 1
 - E. Nuts: ASTM A563 Grade DH Heavy-Hex
 - F. Washers: ASTM F436 Type 1
3. Finish: All steel shapes, plates, grating, and pipes shall be hot-dipped galvanized after fabrication as per ASTM A123. Nuts, bolts, u-bolts and washers shall be galvanized per ASTM F2329.
4. Shop Drawings shall be submitted to the engineer of record for review and approval prior to fabrication and installation. Contractor shall coordinate between Walkway Grating and DMS Manufacturers prior to fabrication and installation to ensure maximum vertical rise to bottom of DMS door does not exceed 8 1/2".

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 DESIGNED BY: KBF 04-17
 CHECKED BY: KS 04-17

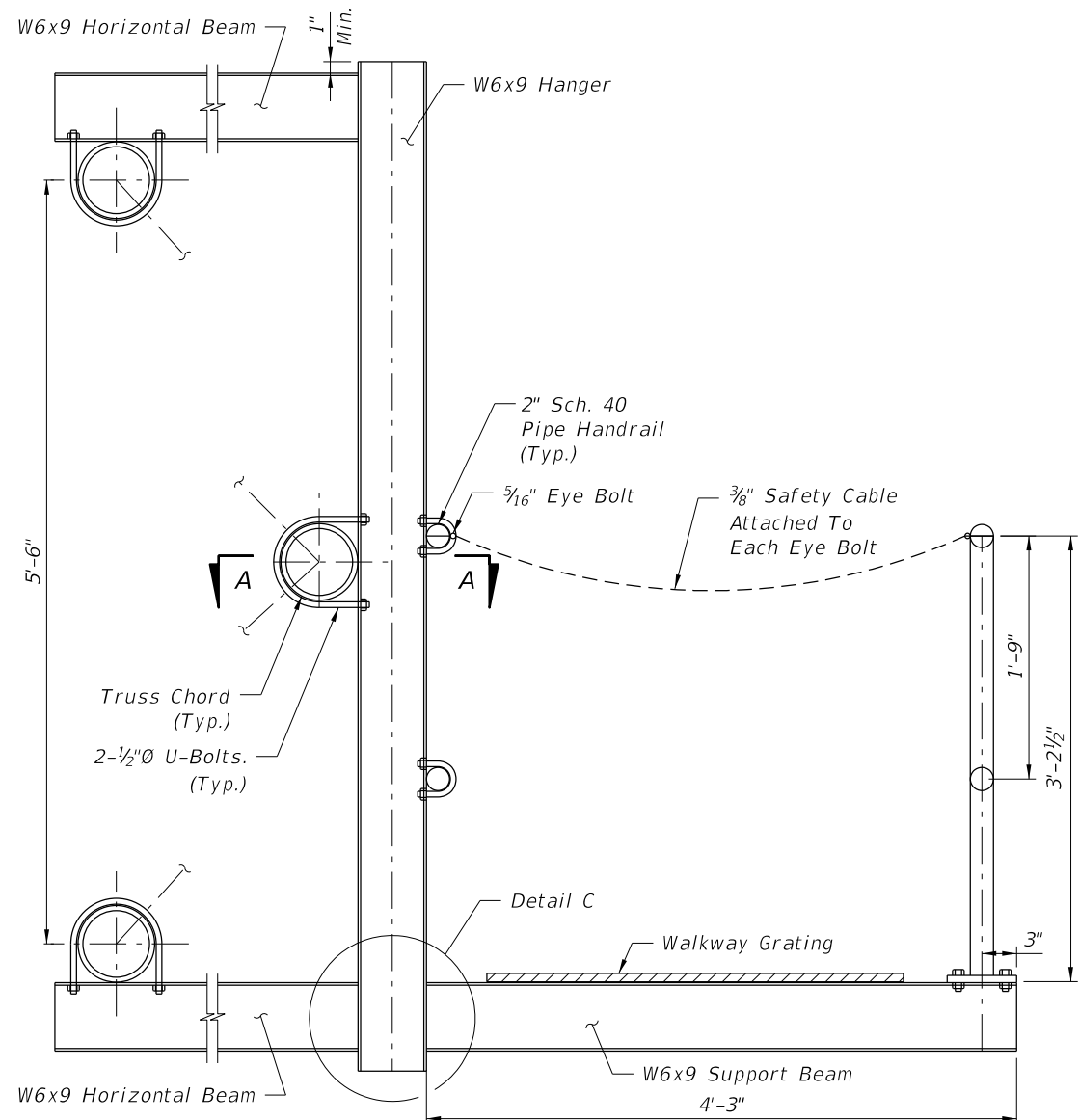
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 DEPARTMENT OF TRANSPORTATION

ROAD NO. COUNTY FINANCIAL PROJECT ID
 SR 429 SEMINOLE 240200-2-52-01

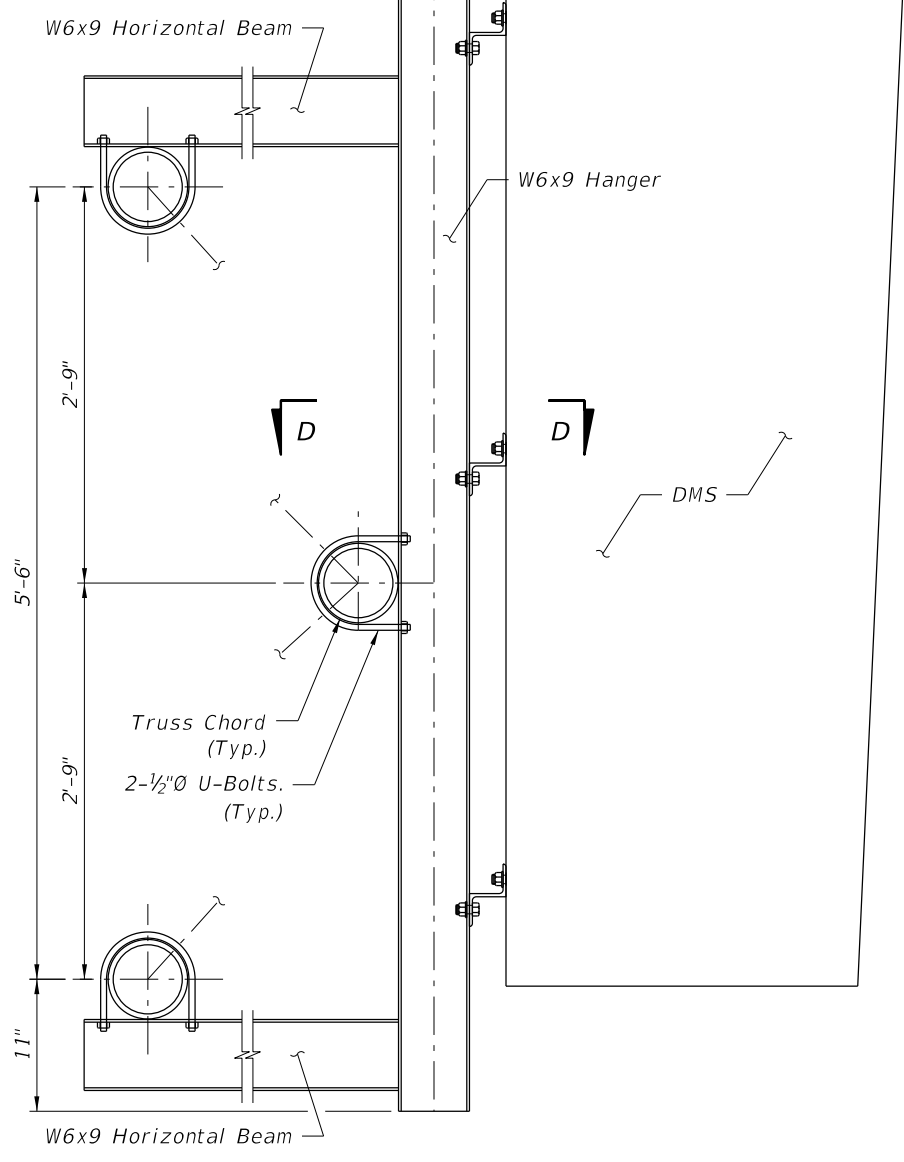
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 STA 1057+00

PROJECT NAME: WEKIVA PARKWAY (SR 429) SECTION 7A

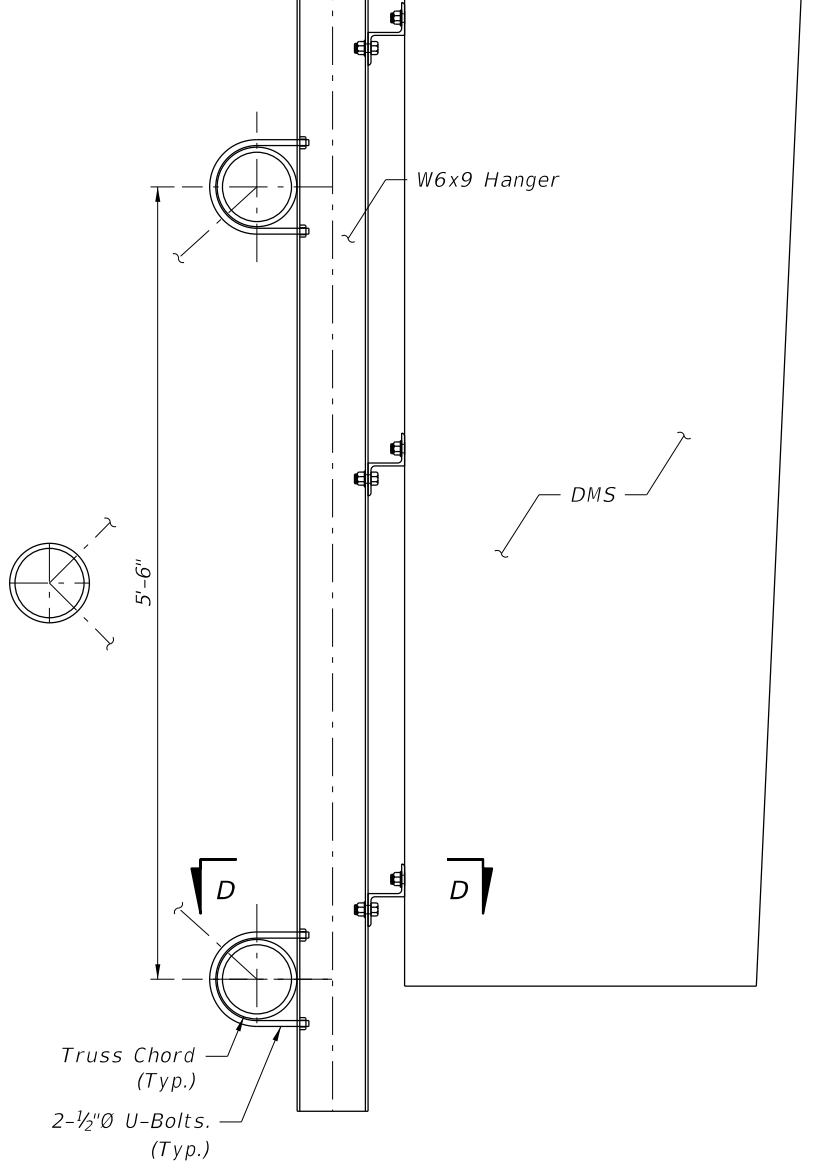
REF. DWG. NO. SHEET NO. 5-77



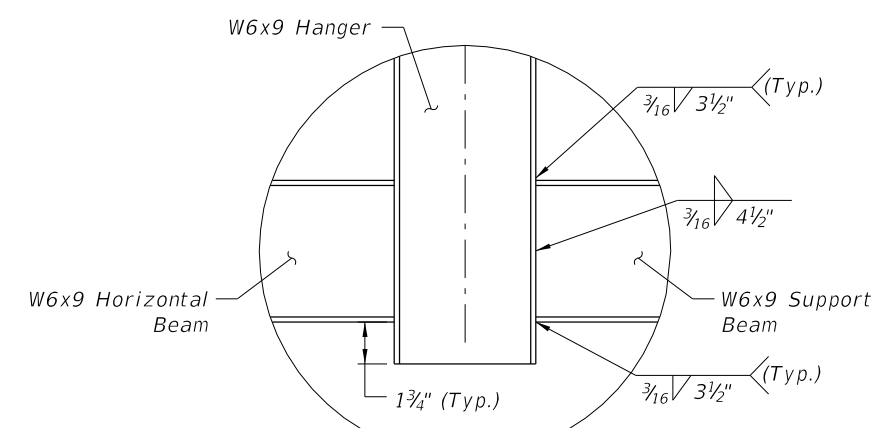
TYPICAL SECTION THROUGH REAR MOUNTED CATWALK



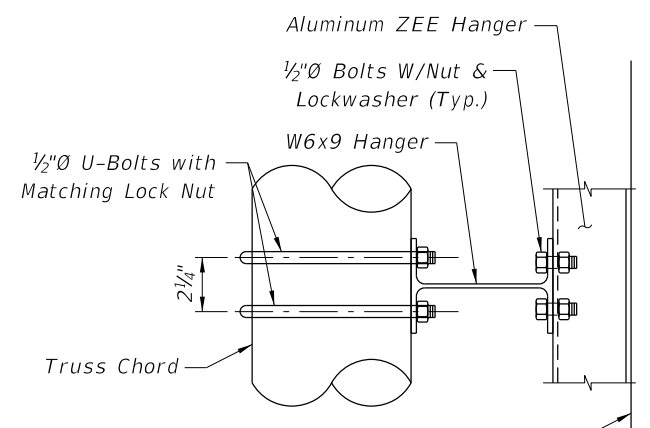
TYPICAL SECTION THROUGH REAR MOUNTED DMS



TYPICAL SECTION THROUGH FRONT MOUNTED DMS



DETAIL C



SECTION D-D

Note:
For Section A-A see sheet S-77.

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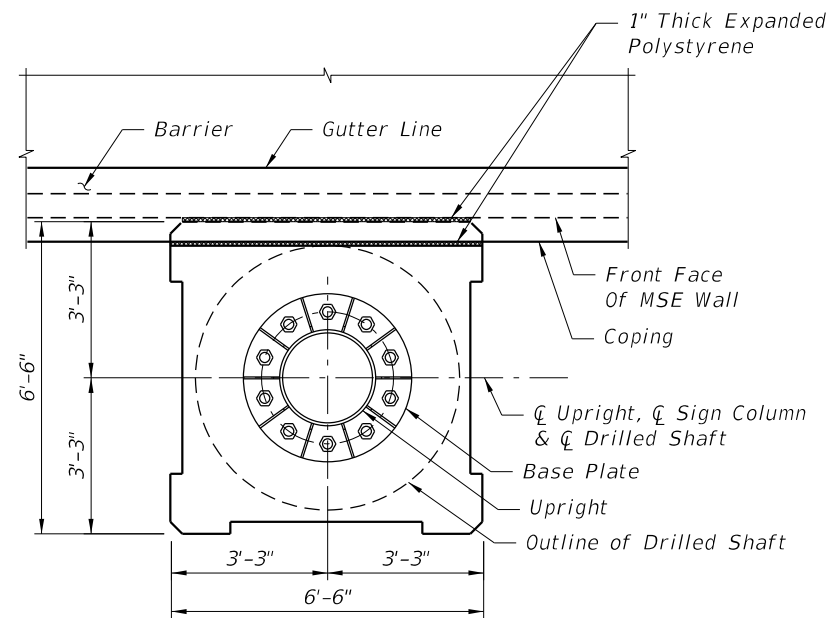
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 429	SEMINOLE	240200-2-52-01

SHEET TITLE: OHT-2 CATWALK DETAILS (2 OF 2)
 STA. 1052+00

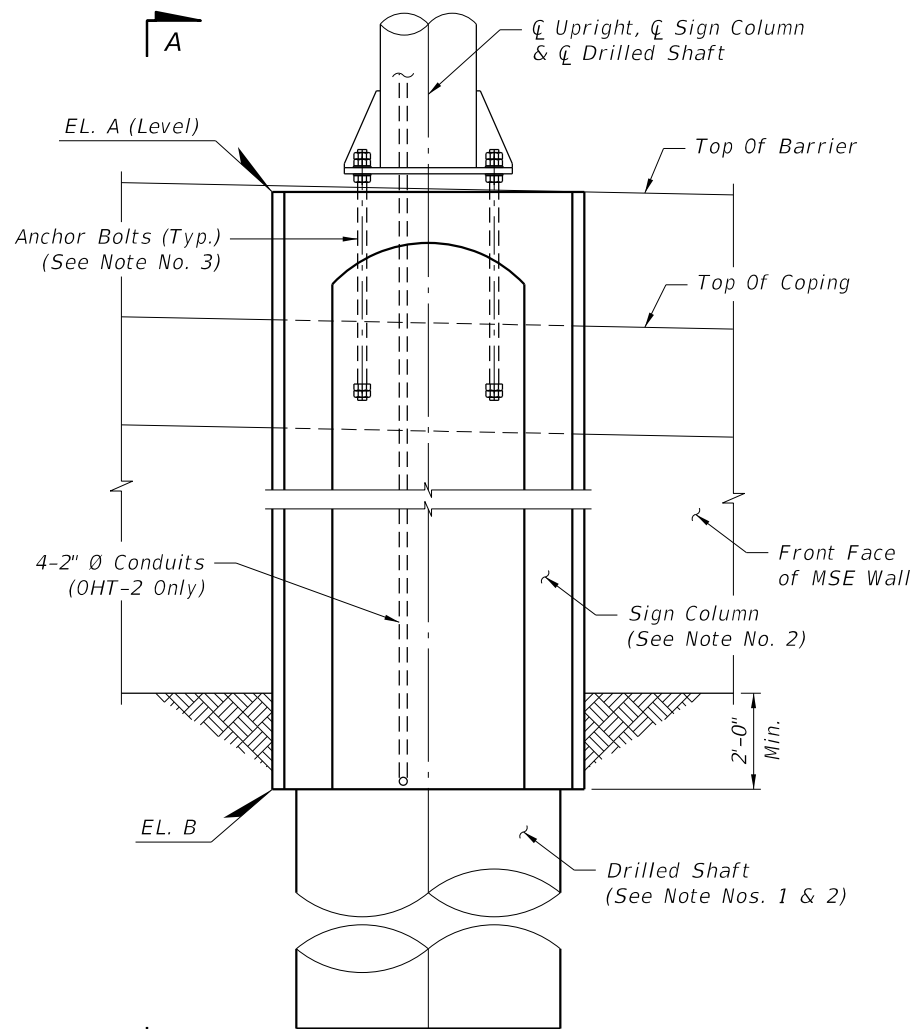
PROJECT NAME: WEKIVA PARKWAY (SR 429) SECTION 7A

REF. DWG. NO.
 SHEET NO.
 S-78

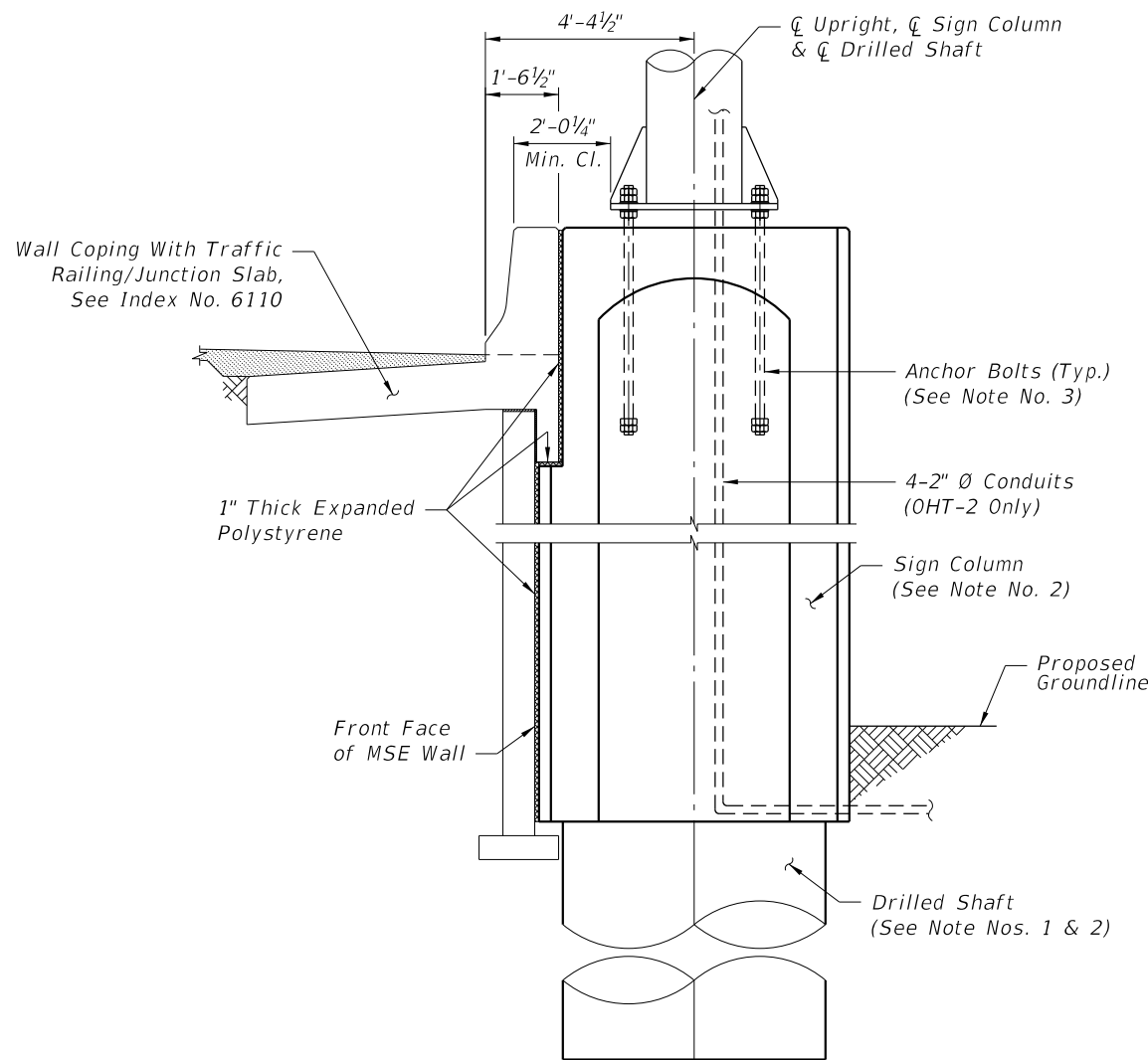
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PLAN



ELEVATION



VIEW A-A

TABLE OF ELEVATIONS				
SIGN STRUCTURE	*SR 429 BASELINE STATION	OFFSET	EL. A	EL. B
OHC-1	See Note 6			
OHC-2	956+56.00	Right	74.061	66.396
OHC-3	1002+95.00	Left	63.629	53.500
OHC-4	1009+36.00	Right	66.329	47.000
OHC-5	1029+35.00	Left	73.199	47.118
OHT-1	1035+76.00	Left	67.219	47.428
OHT-1	1035+76.00	Right	71.366	50.026
OHT-2	1052+00.00	Left	76.841	49.989
OHT-2	1052+00.00	Right	74.961	51.644
OHC-6	1062+16.00	Right	80.553	50.800
**OHT-3	1075+36.00	Right	80.929	61.372
OHT-4	1101+76.00	Left	100.100	70.000
OHT-4	1101+76.00	Right	95.902	71.690

*Stations are at ϕ upright, ϕ Sign Column and ϕ Drilled Shaft.
 **OHT-3 left support does not include sign column.

NOTES:

1. Drilled shafts shall be constructed prior to MSE Wall construction. Sign columns are to be constructed after the MSE Walls.
2. See Sign Column and Foundation Sheet (2 of 2) and Sign Structure Data Table for Drilled Shaft information.
3. See Sign structures Data Table for Anchor Bolt information.
4. For exterior finish of sign column, see Bridge Aesthetic Sheet B-19.
5. Cost of sign columns and drilled shafts for sign structures shall be considered incidental to the sign structure Pay Item.
6. OHC-1 was moved to Section 6 as part of 2017 Plans Update.

REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

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 TTW 04-17
 DESIGNED BY:
 KBF 04-17
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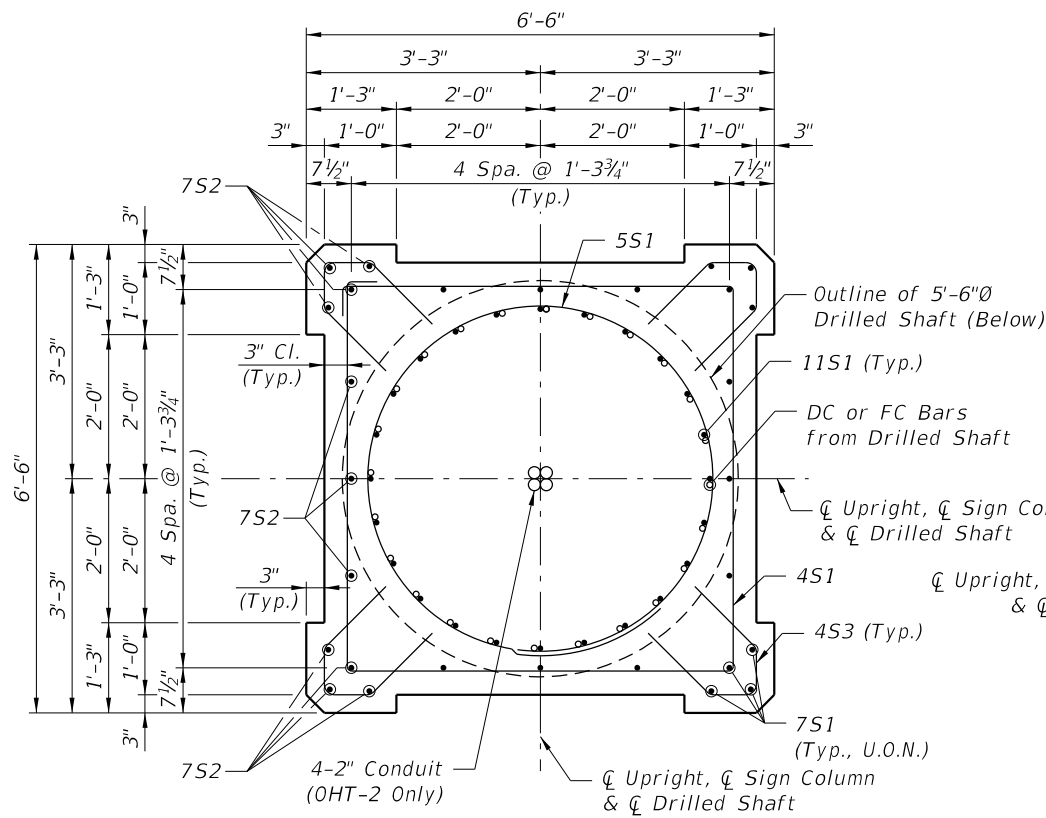
STATE OF FLORIDA
 DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 429	SEMINOLE	240200-2-52-01

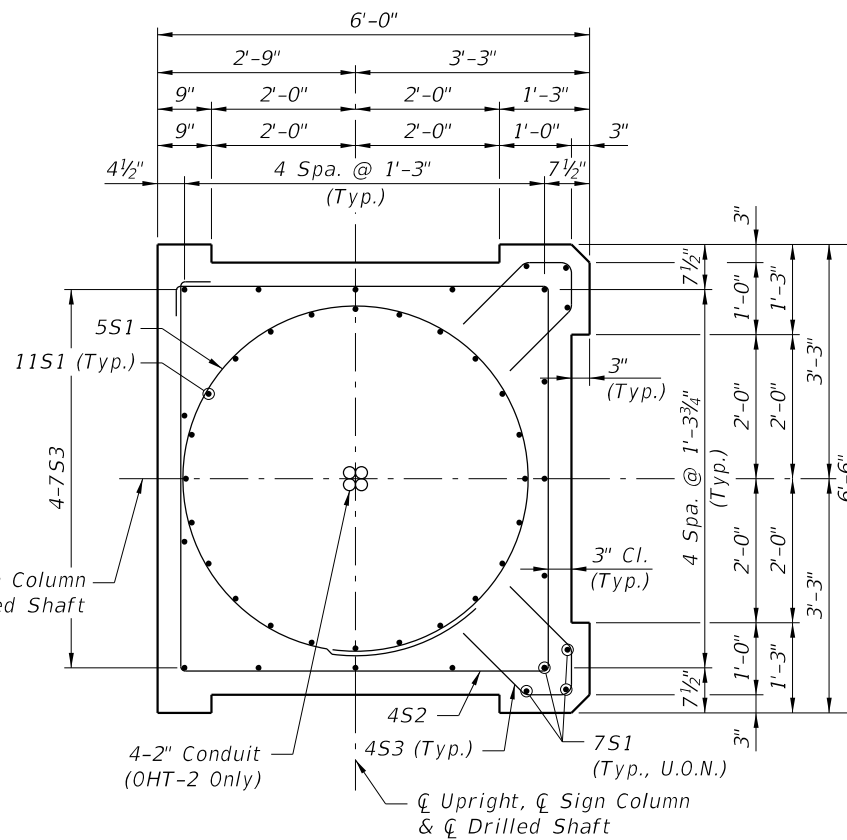
SHEET TITLE:
 SIGN COLUMN AND FOUNDATION (1 OF 2)

PROJECT NAME:
 WEKIVA PARKWAY (SR 429) SECTION 7A

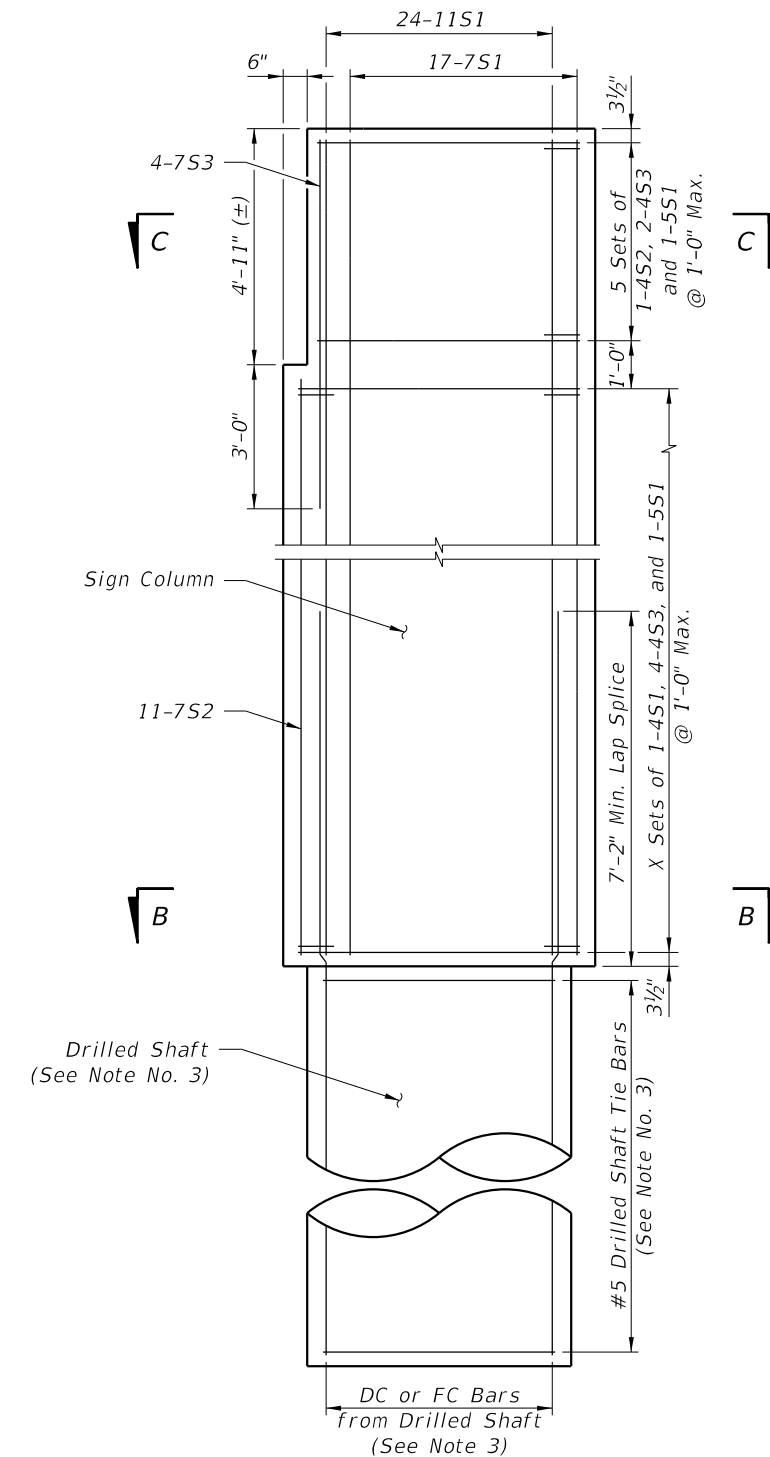
REF. DWG. NO.
 SHEET NO.
 5-79



SECTION B-B



SECTION C-C



REINFORCEMENT SIDE VIEW
(LOOKING UPSTATION)

NUMBER OF COLUMN TIES		
SIGN STRUCTURE	OFFSET FROM SR 429 BASELINE	X
OHC-1	See Note 4	
OHC-2	Right	4
OHC-3	Left	6
OHC-4	Right	15
OHC-5	Left	22
OHT-1	Left	16
OHT-1	Right	17
OHT-2	Left	23
OHT-2	Right	19
OHC-6	Right	26
OHT-3	Right	15
OHT-4	Left	27
OHT-4	Right	20

NOTES:

- Concrete for sign column shall be Class IV ($f'c = 5500$ psi) and Reinforcing Steel shall be ASTM A615, Grade 60 for Sign Foundation Columns.
- Concrete and Reinforcing Steel for Drilled Shafts shall be in accordance with Standard Index No. 11310 for Cantilever Sign Structures and Index No. 11320 for Span Sign Structures.
- DC or FC Bar Lengths shall be increased at top of Drilled Shaft as necessary in order to achieve required 7'-2" Min. Lap Splice with 11S1 Bars. See Sign structures data table for additional information.
- OHC-1 was moved to Section 6 as part of 2017 Plans Update.

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STATE OF FLORIDA
 DEPARTMENT OF TRANSPORTATION

ROAD NO. SR 429 COUNTY SEMINOLE FINANCIAL PROJECT ID 240200-2-52-01

SHEET TITLE: SIGN COLUMN AND FOUNDATION (2 OF 2)

PROJECT NAME: WEKIVA PARKWAY (SR 429) SECTION 7A

REF. DWG. NO. SHEET NO. 5-80

MARK	LENGTH	NO	TYP	STY	B	C	D	E	F	H	J	K	N	Ø														
SIZE	DES	FT	IN	BARS	BAR	A	G	FT	IN	FR	FT	IN	FR	FT	IN	FR	FT	IN	FR	FT	IN	FR	FT	IN	FR	NO	ANG	
LOCATION DHC-1 AT STATION 947+57.00														NO. REQUIRED = 1														
SIGN DHC-1 HAS BEEN MOVED TO SECTION 6 AS PART OF 2017 PLANS UPDATE																												
LOCATION DHC-2 AT STATION 956+56.00														NO. REQUIRED = 1														
4	S1	22- 9		4	4	4	4	5- 6		5- 6																		
4	S2	22- 3		5	4	4	4	5- 3		5- 6																		
4	S3	3- 6		26	31			0- 5 1/2		0- 5 1/2		0- 5 1/2		0- 5 1/2		1- 1		1- 1										
5	S1	16- 4		9	24			2- 2		2- 3																		
7	S1	7- 1		22	1			7- 1																				
7	S2	2- 2		10	1			2- 2																				
7	S3	7- 8		4	1			7- 8																				
11	S1	7- 4		24	1			7- 4																				
LOCATION DHC-3 AT STATION 1002+95.00														NO. REQUIRED = 1														
4	S1	22- 9		6	4	4	4	5- 6		5- 6																		
4	S2	22- 3		5	4	4	4	5- 3		5- 6																		
4	S3	3- 6		34	31			0- 5 1/2		0- 5 1/2		0- 5 1/2		0- 5 1/2		1- 1		1- 1										
5	S1	16- 4		11	24			2- 2		2- 3																		
7	S1	9- 6		22	1			9- 6																				
7	S2	4- 7		10	1			4- 7																				
7	S3	7- 8		4	1			7- 8																				
11	S1	9- 9		24	1			9- 9																				
LOCATION DHC-4 AT STATION 1009+36.00														NO. REQUIRED = 1														
4	S1	22- 9		15	4	4	4	5- 6		5- 6																		
4	S2	22- 3		5	4	4	4	5- 3		5- 6																		
4	S3	3- 6		70	31			0- 5 1/2		0- 5 1/2		0- 5 1/2		0- 5 1/2		1- 1		1- 1										
5	S1	16- 4		20	24			2- 2		2- 3																		
7	S1	18- 8		22	1			18- 8																				
7	S2	13- 9		10	1			13- 9																				
7	S3	7- 8		4	1			7- 8																				
11	S1	18-11		24	1			18-11																				
LOCATION DHC-5 AT STATION 1029+35.00														NO. REQUIRED = 1														
4	S1	22- 9		22	4	4	4	5- 6		5- 6																		
4	S2	22- 3		5	4	4	4	5- 3		5- 6																		
4	S3	3- 6		98	31			0- 5 1/2		0- 5 1/2		0- 5 1/2		0- 5 1/2		1- 1		1- 1										
5	S1	16- 4		27	24			2- 2		2- 3																		
7	S1	25- 7		22	1			25- 7																				
7	S2	20- 7		10	1			20- 7																				
7	S3	7- 8		4	1			7- 8																				

REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

IDA
CONSULTING ENGINEERS, INC.
800 N. Magnolia Ave., Suite 1402
Orlando, FL 32803 (407) 540-1410
Cert. of Auth. # 8171
Kevin B. Fischer License # 60074

DRAWN BY: **KBF 04-17**
CHECKED BY: **TTW 04-17**
DESIGNED BY: **KBF 04-17**
CHECKED BY: **TTW 04-17**

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 429	SEMINOLE	240200-2-52-01

SHEET TITLE: **REINFORCING BAR LIST (1 OF 3)**


PROJECT NAME: **WEKIVA PARKWAY (SR 429) SECTION 7A**

REF. DWG. NO.:

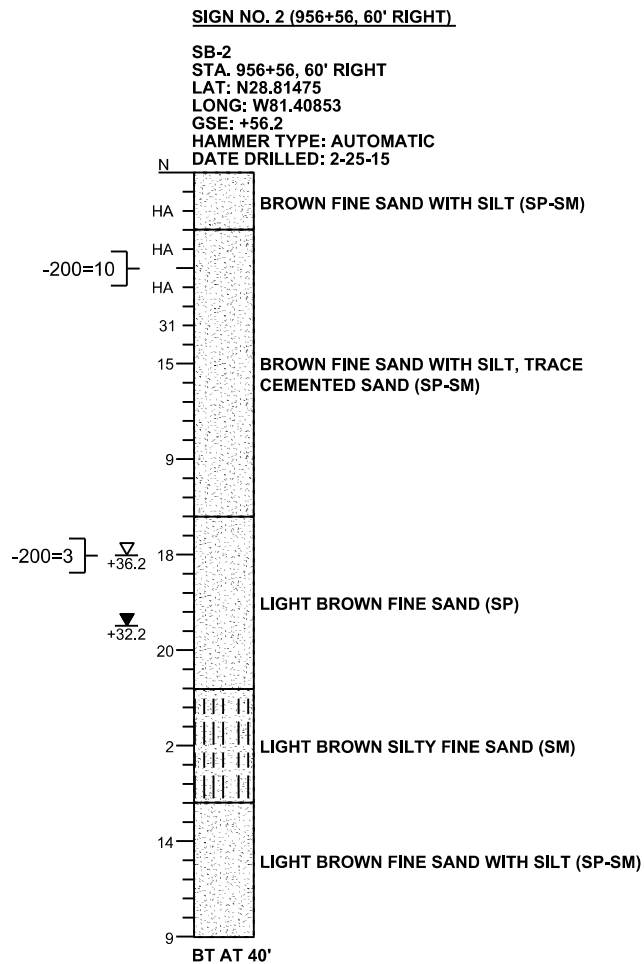
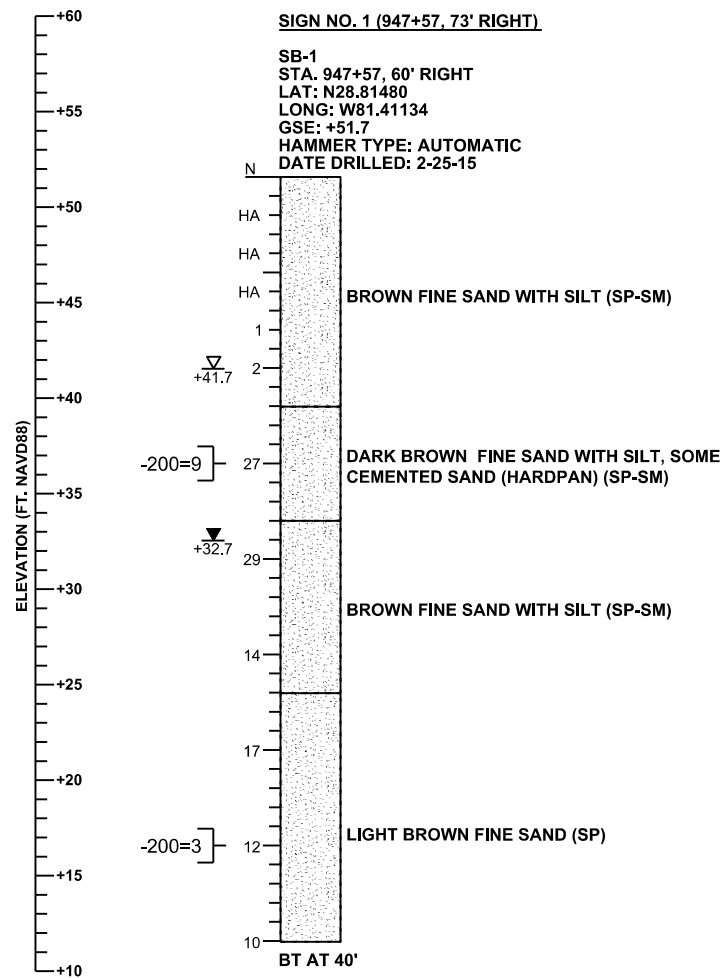
SHEET NO. **5-81**

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

MARK		LENGTH		NO	TYP	STY	B			C			D			E			F			H			J			K			N	Ø				
SIZE	DES	FT	IN	BARS	BAR	A	G	FT	IN	FR	FT	IN	FR	FT	IN	FR	FT	IN	FR	FT	IN	FR	FT	IN	FR	FT	IN	FR	NO	ANG						
LOCATION DHC-6 AT STATION 1062+16.00 NO. REQUIRED = 1																																				
4	S1	22-	9	26	4	4	4	5-	6		5-	6																								
4	S2	22-	3	5	4	4	4	5-	3		5-	6																								
4	S3	3-	6	114	31			0-	5 1/2		0-	5 1/2		0-	5 1/2		0-	5 1/2		1-	1		1-	1												
5	S1	16-	4	31	24			2-	2		2-	3																								
7	S1	29-	2	22	1			29-	2																											
7	S2	24-	3	10	1			24-	3																											
7	S3	7-	8	4	1			7-	8																											
11	S1	29-	5	24	1			29-	5																											
LOCATION DHT-3 (RIGHT UPRIGHT) AT STATION 1075+36 NO. REQUIRED = 1																																				
4	S1	22-	9	15	4	4	4	5-	6		5-	6																								
4	S2	22-	3	5	4	4	4	5-	3		5-	6																								
4	S3	3-	6	70	31			0-	5 1/2		0-	5 1/2		0-	5 1/2		0-	5 1/2		1-	1		1-	1												
5	S1	16-	4	20	24			2-	2		2-	3																								
7	S1	19-	0	22	1			19-	0																											
7	S2	14-	1	10	1			14-	1																											
7	S3	7-	8	4	1			7-	8																											
11	S1	19-	3	24	1			19-	3																											
LOCATION DHT-4 (LEFT UPRIGHT) AT STATION 1101+76. NO. REQUIRED = 1																																				
4	S1	22-	9	27	4	4	4	5-	6		5-	6																								
4	S2	22-	3	5	4	4	4	5-	3		5-	6																								
4	S3	3-	6	118	31			0-	5 1/2		0-	5 1/2		0-	5 1/2		0-	5 1/2		1-	1		1-	1												
5	S1	16-	4	32	24			2-	2		2-	3																								
7	S1	29-	7	22	1			29-	7																											
7	S2	24-	8	10	1			24-	8																											
7	S3	7-	8	4	1			7-	8																											
11	S1	29-	9	24	1			29-	9																											
LOCATION DHT-4 (RIGHT UPRIGHT) AT STATION 1101+76 NO. REQUIRED = 1																																				
4	S1	22-	9	20	4	4	4	5-	6		5-	6																								
4	S2	22-	3	5	4	4	4	5-	3		5-	6																								
4	S3	3-	6	90	31			0-	5 1/2		0-	5 1/2		0-	5 1/2		0-	5 1/2		1-	1		1-	1												
5	S1	16-	4	25	24			2-	2		2-	3																								
7	S1	23-	7	22	1			23-	7																											
7	S2	18-	8	10	1			18-	8																											
7	S3	7-	8	4	1			7-	8																											
11	S1	23-	10	24	1			23-	10																											
END OF LIST																																				

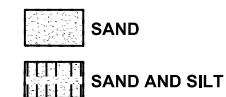
REVISIONS						 IDA CONSULTING ENGINEERS, INC. 800 N. Magnolia Ave., Suite 1402 Orlando, FL 32803 (407) 540-1410 Cert. of Auth. # 8171 Kevin B. Fischer License # 60074	DRAWN BY: KBF 04-17	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			REINFORCING BAR LIST (3 OF 3)						REF. DWG. NO.		
DATE	BY	DESCRIPTION			DATE		BY				DESCRIPTION			CHECKED BY: TTW 04-17	ROAD NO.	COUNTY	FINANCIAL PROJECT ID	PROJECT NAME:	SHEET NO.
														DESIGNED BY: KBF 04-17	SR 429	SEMINOLE	240200-2-52-01	WEKIVA PARKWAY (SR 429) SECTION 7A	5-83
						CERT. OF AUTH. # 8171	CHECKED BY: TTW 04-17												

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



LEGEND

- GSE GROUND SURFACE ELEVATION (FT. NAVD88)
- N STANDARD PENETRATION RESISTANCE, BLOWS PER FOOT
- HA HAND AUGERED FOR UTILITY CLEARANCE
- ▽+36.2 ESTIMATED SEASONAL HIGH GROUNDWATER ELEVATION (FT. NAVD88)
- ▽+32.2 ENCOUNTERED GROUNDWATER ELEVATION (FT. NAVD88) ON DATE DRILLED
- BT BORING TERMINATED AT DEPTH INDICATED
- 200= PERCENT PASSING NO. 200 U.S. STANDARD SIEVE



GENERAL NOTES

SUBSURFACE CONDITIONS SHOWN ON THE BORINGS REPRESENT THE CONDITIONS ENCOUNTERED AT THE BORING LOCATIONS. ACTUAL CONDITIONS BETWEEN THE BORINGS MAY VARY FROM THOSE SHOWN. UNIFIED SOIL CLASSIFICATIONS SHOWN ON THE BORINGS ARE BASED ON VISUAL EXAMINATION AND THE LABORATORY TESTING SHOWN.

STANDARD PENETRATION TEST BORINGS WERE PERFORMED IN ACCORDANCE WITH ASTM D-1586. STANDARD PENETRATION RESISTANCES ARE SHOWN ON THE BORINGS AT THE TEST DEPTHS IN IN BLOWS PER FOOT UNLESS OTHERWISE NOTED.

THE BORING LOCATIONS WERE ESTABLISHED IN THE FIELD USING SUB-METER ACCURACY GPS UNIT (TRIMBLE GEO 7X). GROUND SURFACE ELEVATIONS ESTIMATED FROM PROJECT CROSS SECTIONS. BORING LOCATIONS REFERENCE THE SR 429 CENTERLINE.

BASED ON REVIEW OF THE U.S. GEOLOGICAL SURVEY MAP ENTITLED "POTENTIOMETRIC SURFACE OF THE UPPER FLORIDAN AQUIFER IN ST. JOHNS RIVER WATER MANAGEMENT DISTRICT AND VICINITY, FLORIDA, SEPTEMBER 2008" FOR THE PROJECT AREA, THE MAXIMUM ELEVATION OF THE ARTESIAN HEAD IS ESTIMATED TO BE +20 FT. NAVD88. THE CONTRACTOR SHALL BE PREPARED TO HANDLE ARTESIAN HEAD LEVELS UP TO +20 FT. NAVD88.

SPLIT SPOON SAMPLER:
 INSIDE DIAMETER: 1.375 IN.
 OUTSIDE DIAMETER: 2.0 IN.
 AVERAGE HAMMER DROP: 30 IN.
 HAMMER WEIGHT: 140 LBS.
 HAMMER TYPE: AUTOMATIC

CORRELATION OF STANDARD PENETRATION RESISTANCE WITH RELATIVE DENSITY AND CONSISTENCY OF SOIL

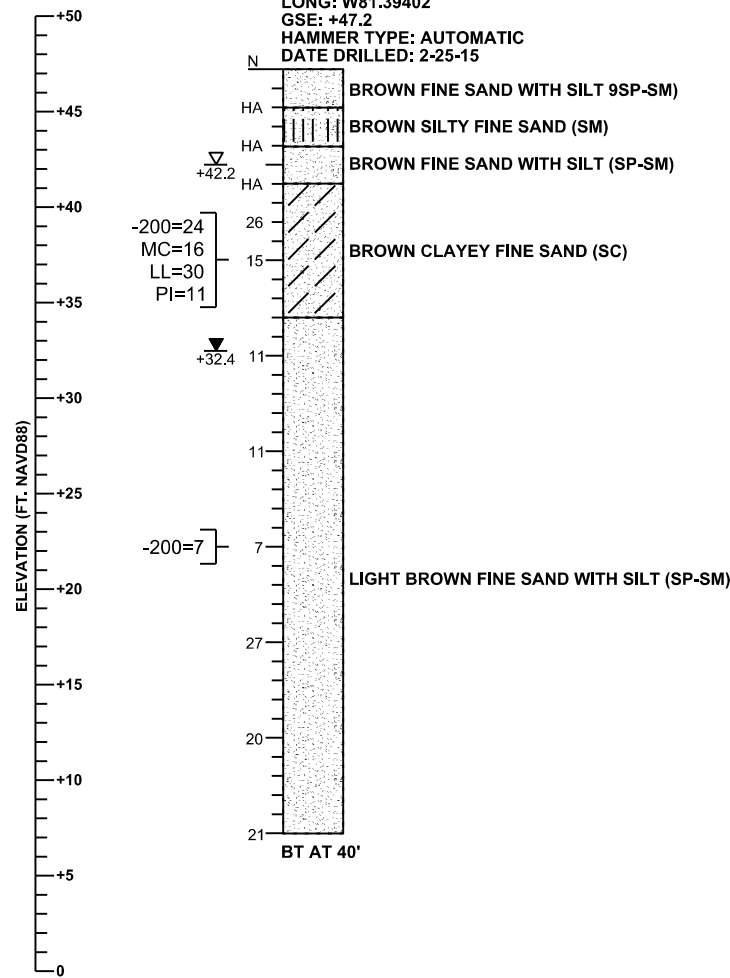
GRANULAR SOILS	AUTOMATIC HAMMER		
	N VALUE (blows per foot)	RELATIVE DENSITY	
SANDS	0-3	VERY LOOSE	
	3-8	LOOSE	
	8-24	MEDIUM DENSE	
	24-40	DENSE	
	OVER 40	VERY DENSE	
NON-GRANULAR SOILS	AUTOMATIC HAMMER		
	N VALUE (blows per foot)	CONSISTENCY	
	SILTS, CLAYS, MUCK, PEAT	0-1	VERY SOFT
		1-3	SOFT
		3-6	FIRM
		6-12	STIFF
12-24		VERY STIFF	
OVER 24		HARD	

SECTION: 39
TOWNSHIP: 19 SOUTH
RANGE: 29 EAST

REVISIONS						GEOTECHNICAL AND ENVIRONMENTAL CONSULTANTS, INC. 919 Lake Baldwin Lane Orlando, FL 32814 T 407-898-1818 F 407-898-1837 Certificate of Authorization No. 5882 DANIEL C. STANFILL PE NO. 42763	DRAWN BY: SKR CHECKED BY: DCS 42763 DESIGNED BY: CGB 71571 CHECKED BY: CGB 71571	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			SHEET TITLE: REPORT OF SPT BORINGS	REF. DWG. NO.
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION			ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
							SR 429	SEMINOLE	240200-2-52-01	WEKIVA PARKWAY SECTION 7A	5-84	

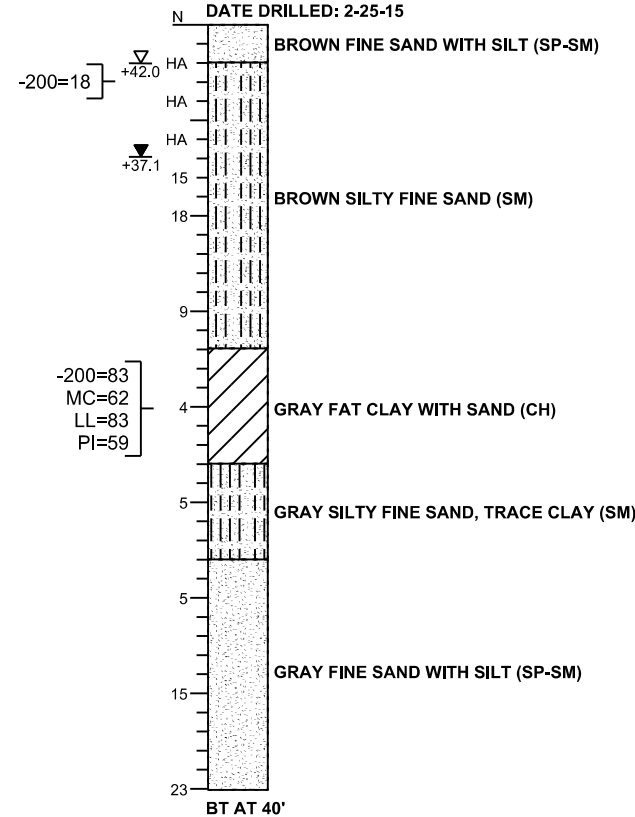
SIGN NO. 3 (1002+95, 78' LEFT)

SB-3
 STA. 1002+95, 77' LEFT
 LAT: N28.81502
 LONG: W81.39402
 GSE: +47.2
 HAMMER TYPE: AUTOMATIC
 DATE DRILLED: 2-25-15



SIGN NO. 4 (1009+36, 73' RIGHT)

SB-4
 STA. 1009+36, 73' RIGHT
 LAT: N28.81434
 LONG: W81.39212
 GSE: +44.0
 HAMMER TYPE: AUTOMATIC
 DATE DRILLED: 2-25-15



LEGEND

- GSE GROUND SURFACE ELEVATION (FT. NAVD88)
- N STANDARD PENETRATION RESISTANCE, BLOWS PER FOOT
- HA HAND AUGERED FOR UTILITY CLEARANCE
- ▽ ESTIMATED SEASONAL HIGH GROUNDWATER ELEVATION (FT. NAVD88)
- ▽ ENCOUNTERED GROUNDWATER ELEVATION (FT. NAVD88) ON DATE DRILLED
- BT BORING TERMINATED AT DEPTH INDICATED
- 200= PERCENT PASSING NO. 200 U.S. STANDARD SIEVE
- MC= PERCENT NATURAL MOISTURE CONTENT
- LL= LIQUID LIMIT
- PI= PLASTICITY INDEX



GENERAL NOTES

SUBSURFACE CONDITIONS SHOWN ON THE BORINGS REPRESENT THE CONDITIONS ENCOUNTERED AT THE BORING LOCATIONS. ACTUAL CONDITIONS BETWEEN THE BORINGS MAY VARY FROM THOSE SHOWN. UNIFIED SOIL CLASSIFICATIONS SHOWN ON THE BORINGS ARE BASED ON VISUAL EXAMINATION AND THE LABORATORY TESTING SHOWN.

STANDARD PENETRATION TEST BORINGS WERE PERFORMED IN ACCORDANCE WITH ASTM D-1586. STANDARD PENETRATION RESISTANCES ARE SHOWN ON THE BORINGS AT THE TEST DEPTHS IN IN BLOWS PER FOOT UNLESS OTHERWISE NOTED.

THE BORING LOCATIONS WERE ESTABLISHED IN THE FIELD USING SUB-METER ACCURACY GPS UNIT (TRIMBLE GEO 7X). GROUND SURFACE ELEVATIONS ESTIMATED FROM PROJECT CROSS SECTIONS. BORING LOCATIONS REFERENCE THE SR 429 CENTERLINE.

BASED ON REVIEW OF THE U.S. GEOLOGICAL SURVEY MAP ENTITLED "POTENTIOMETRIC SURFACE OF THE UPPER FLORIDAN AQUIFER IN ST. JOHNS RIVER WATER MANAGEMENT DISTRICT AND VICINITY, FLORIDA, SEPTEMBER 2008" FOR THE PROJECT AREA, THE MAXIMUM ELEVATION OF THE ARTESIAN HEAD IS ESTIMATED TO BE +22 FT. NAVD88. THE CONTRACTOR SHALL BE PREPARED TO HANDLE ARTESIAN HEAD LEVELS UP TO +22 FT. NAVD88.

SPLIT SPOON SAMPLER:
 INSIDE DIAMETER: 1.375 IN.
 OUTSIDE DIAMETER: 2.0 IN.
 AVERAGE HAMMER DROP: 30 IN.
 HAMMER WEIGHT: 140 LBS.
 HAMMER TYPE: AUTOMATIC

CORRELATION OF STANDARD PENETRATION RESISTANCE WITH RELATIVE DENSITY AND CONSISTENCY OF SOIL

AUTOMATIC HAMMER N VALUE		
GRANULAR SOILS	(blows per foot)	RELATIVE DENSITY
SANDS	0-3	VERY LOOSE
	3-8	LOOSE
	8-24	MEDIUM DENSE
	24-40	DENSE
	OVER 40	VERY DENSE
AUTOMATIC HAMMER N VALUE		
NON-GRANULAR SOILS	(blows per foot)	CONSISTENCY
SILTS, CLAYS, MUCK, PEAT	0-1	VERY SOFT
	1-3	SOFT
	3-6	FIRM
	6-12	STIFF
	12-24	VERY STIFF
	OVER 24	HARD

BORING SB-3:
 SECTION: 22
 TOWNSHIP: 19 SOUTH
 RANGE: 29 EAST

BORING SB-4:
 SECTION: 26
 TOWNSHIP: 19 SOUTH
 RANGE: 29 EAST

REVISIONS

DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

GEOTECHNICAL AND ENVIRONMENTAL CONSULTANTS, INC.
 919 Lake Baldwin Lane
 Orlando, FL 32814
 T 407-898-1818 F 407-898-1837
 Certificate of Authorization No. 5882
DANIEL C. STANFILL PE NO. 42763

DRAWN BY: SKR
 CHECKED BY: DCS 42763
 DESIGNED BY: CGB 71571
 CHECKED BY: CGB 71571

STATE OF FLORIDA
 DEPARTMENT OF TRANSPORTATION

ROAD NO. SR 429 COUNTY SEMINOLE FINANCIAL PROJECT ID 240200-2-52-01

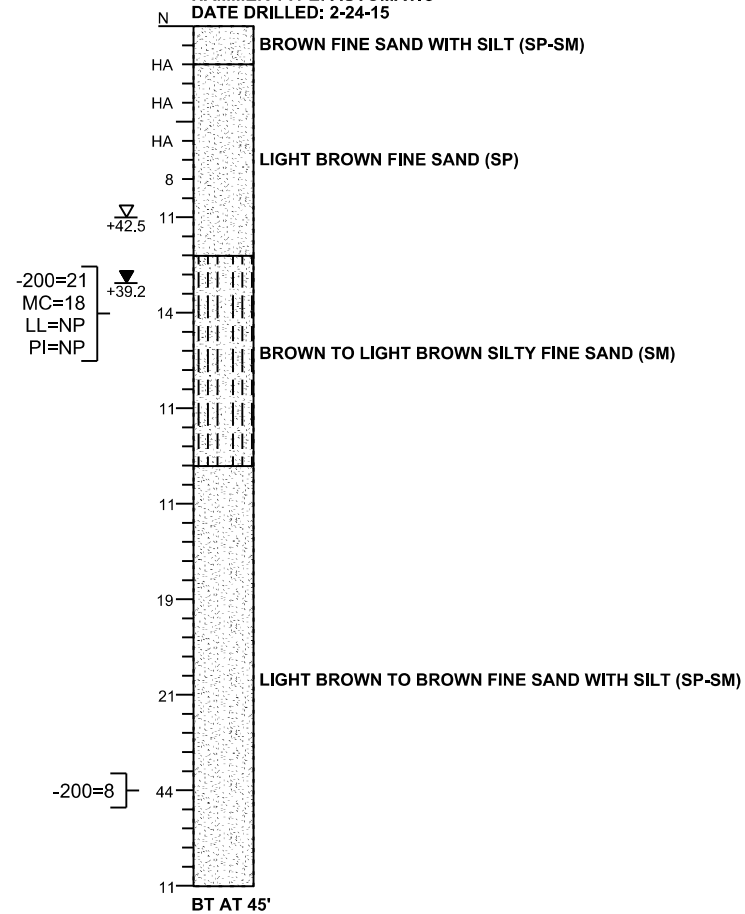
SHEET TITLE: REPORT OF SPT BORINGS

PROJECT NAME: WEKIVA PARKWAY SECTION 7A

REF. DWG. NO. SHEET NO. 5-85

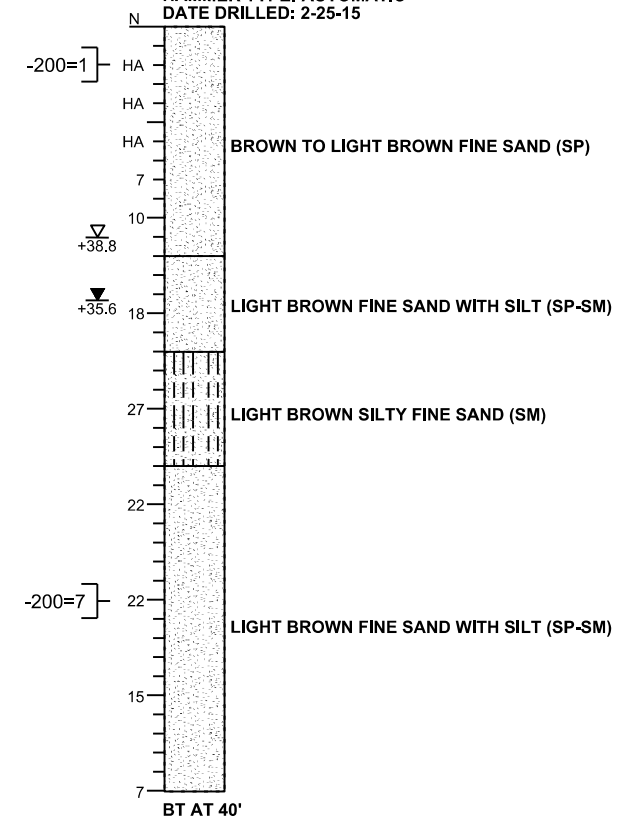
SIGN NO. 6LT (1035+76, 60' LEFT)

SB-6
 STA. 1035+76, 35' LEFT
 LAT: N28.81301
 LONG: W81.38406
 GSE: +52.5
 HAMMER TYPE: AUTOMATIC
 DATE DRILLED: 2-24-15



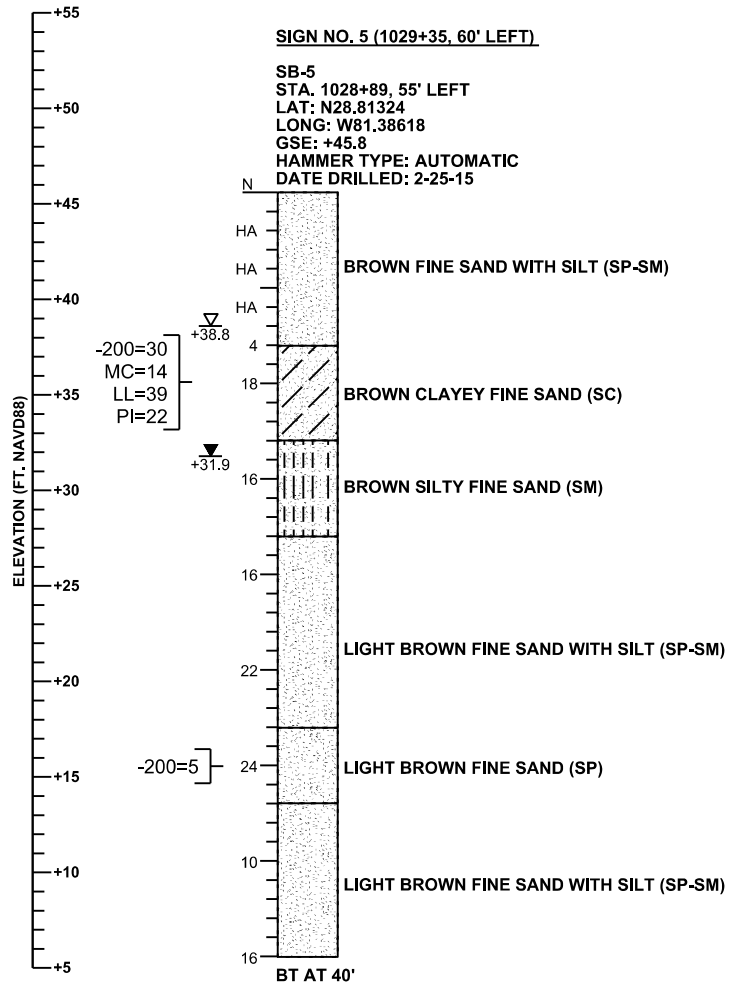
SIGN NO. 6RT (1035+76, 60' RIGHT)

SB-7
 STA. 1035+76, 60' RIGHT
 LAT: N28.81276
 LONG: W81.38407
 GSE: +49.8
 HAMMER TYPE: AUTOMATIC
 DATE DRILLED: 2-25-15



SIGN NO. 5 (1029+35, 60' LEFT)

SB-5
 STA. 1028+89, 55' LEFT
 LAT: N28.81324
 LONG: W81.38618
 GSE: +45.8
 HAMMER TYPE: AUTOMATIC
 DATE DRILLED: 2-25-15



LEGEND

- GSE GROUND SURFACE ELEVATION (FT. NAVD88)
- N STANDARD PENETRATION RESISTANCE, BLOWS PER FOOT
- HA HAND AUGERED FOR UTILITY CLEARANCE
- ▽ ESTIMATED SEASONAL HIGH GROUNDWATER ELEVATION (FT. NAVD88)
- ▽ ENCOUNTERED GROUNDWATER ELEVATION (FT. NAVD88) ON DATE DRILLED
- BT BORING TERMINATED AT DEPTH INDICATED
- 200= PERCENT PASSING NO. 200 U.S. STANDARD SIEVE
- MC= PERCENT NATURAL MOISTURE CONTENT
- LL= LIQUID LIMIT
- PI= PLASTICITY INDEX
- NP= NON-PLASTIC



GENERAL NOTES

SUBSURFACE CONDITIONS SHOWN ON THE BORINGS REPRESENT THE CONDITIONS ENCOUNTERED AT THE BORING LOCATIONS. ACTUAL CONDITIONS BETWEEN THE BORINGS MAY VARY FROM THOSE SHOWN. UNIFIED SOIL CLASSIFICATIONS SHOWN ON THE BORINGS ARE BASED ON VISUAL EXAMINATION AND THE LABORATORY TESTING SHOWN.

STANDARD PENETRATION TEST BORINGS WERE PERFORMED IN ACCORDANCE WITH ASTM D-1586. STANDARD PENETRATION RESISTANCES ARE SHOWN ON THE BORINGS AT THE TEST DEPTHS IN IN BLOWS PER FOOT UNLESS OTHERWISE NOTED.

THE BORING LOCATIONS WERE ESTABLISHED IN THE FIELD USING SUB-METER ACCURACY GPS UNIT (TRIMBLE GEO 7X). GROUND SURFACE ELEVATIONS ESTIMATED FROM PROJECT CROSS SECTIONS. BORING LOCATIONS REFERENCE THE SR 429 CENTERLINE.

BASED ON REVIEW OF THE U.S. GEOLOGICAL SURVEY MAP ENTITLED "POTENTIOMETRIC SURFACE OF THE UPPER FLORIDIAN AQUIFER IN ST. JOHNS RIVER WATER MANAGEMENT DISTRICT AND VICINITY, FLORIDA, SEPTEMBER 2008" FOR THE PROJECT AREA, THE MAXIMUM ELEVATION OF THE ARTESIAN HEAD IS ESTIMATED TO BE +23 FT. NAVD88. THE CONTRACTOR SHALL BE PREPARED TO HANDLE ARTESIAN HEAD LEVELS UP TO +23 FT. NAVD88.

SPLIT SPOON SAMPLER:
 INSIDE DIAMETER: 1.375 IN.
 OUTSIDE DIAMETER: 2.0 IN.
 AVERAGE HAMMER DROP: 30 IN.
 HAMMER WEIGHT: 140 LBS.
 HAMMER TYPE: AUTOMATIC

CORRELATION OF STANDARD PENETRATION RESISTANCE WITH RELATIVE DENSITY AND CONSISTENCY OF SOIL

AUTOMATIC HAMMER N VALUE		
GRANULAR SOILS	(blows per foot)	RELATIVE DENSITY
SANDS	0-3	VERY LOOSE
	3-8	LOOSE
	8-24	MEDIUM DENSE
	24-40	DENSE
	OVER 40	VERY DENSE
AUTOMATIC HAMMER N VALUE		
NON-GRANULAR SOILS	(blows per foot)	CONSISTENCY
SILTS, CLAYS, MUCK, PEAT	0-1	VERY SOFT
	1-3	SOFT
	3-6	FIRM
	6-12	STIFF
	12-24	VERY STIFF
	OVER 24	HARD

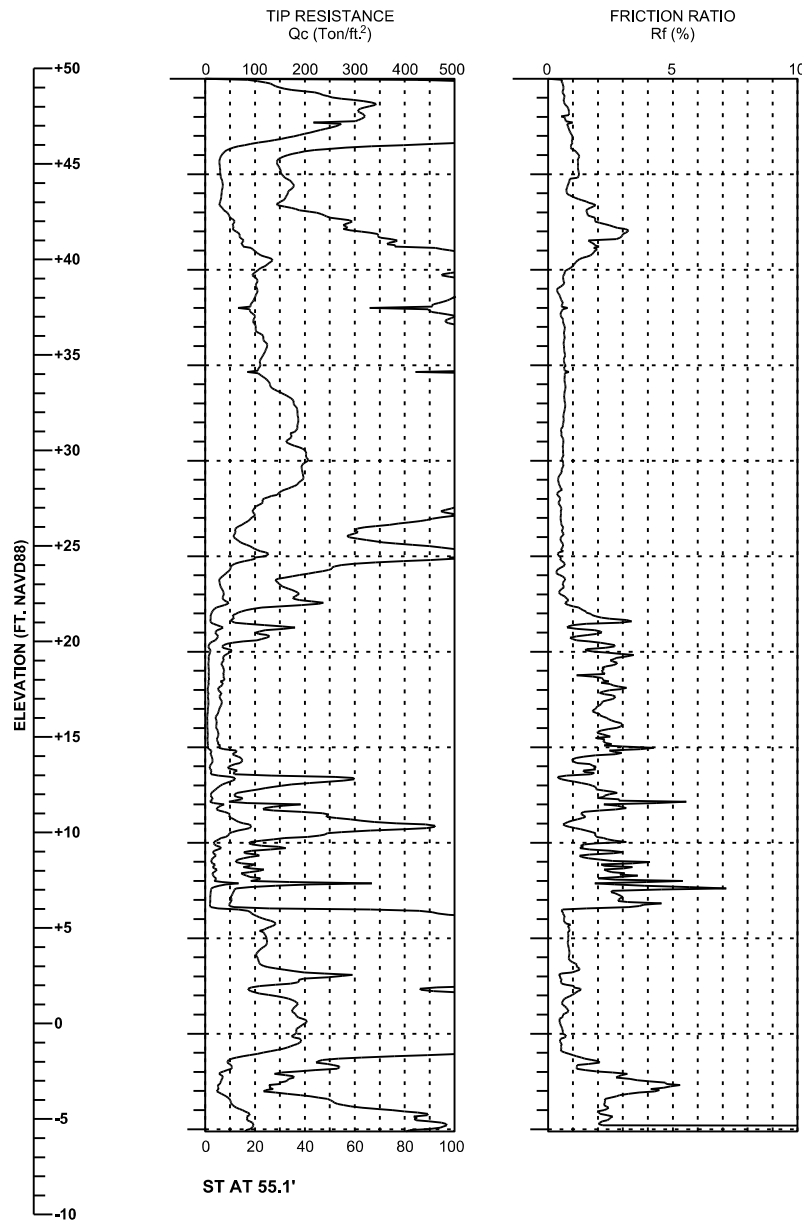
SECTION: 26
 TOWNSHIP: 19 SOUTH
 RANGE: 29 EAST

REVISIONS						GEOTECHNICAL AND ENVIRONMENTAL CONSULTANTS, INC.			STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			SHEET TITLE:		REF. DWG. NO.
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION	919 Lake Baldwin Lane Orlando, FL 32814 T 407-898-1818 F 407-898-1837 Certificate of Authorization No. 5882			ROAD NO. COUNTY FINANCIAL PROJECT ID			REPORT OF SPT BORINGS		
						DANIEL C. STANFILL PE NO. 42763			SR 429	SEMINOLE	240200-2-52-01	WEKIVA PARKWAY SECTION 7A		SHEET NO.
												5-86		

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

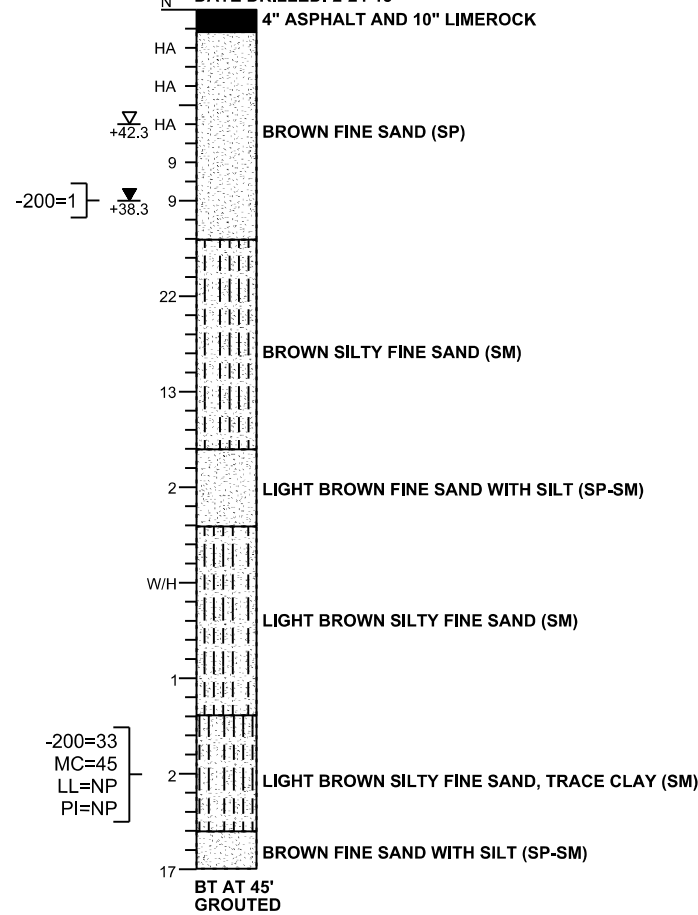
SIGN NO. 7LT (1052+00, 60' LEFT)

WB-74
 STA. 1052+00, 60' LEFT
 LAT: N28.81313
 LONG: W81.37900
 GSE: +49.4
 DATE DRILLED: 7-14-14



SIGN NO. 7RT (1052+00, 60' RIGHT)

SB-8
 STA. 1052+00, 60' RIGHT
 LAT: N28.81280
 LONG: W81.37899
 GSE: +48.3
 HAMMER TYPE: AUTOMATIC
 DATE DRILLED: 2-24-15



LEGEND

- GSE GROUND SURFACE ELEVATION (FT. NAVD88)
- N STANDARD PENETRATION RESISTANCE, BLOWS PER FOOT
- HA HAND AUGERED FOR UTILITY CLEARANCE
- W/H WEIGHT OF HAMMER
- ▽+42.3 ESTIMATED SEASONAL HIGH GROUNDWATER ELEVATION (FT. NAVD88)
- ▽+38.3 ENCOUNTERED GROUNDWATER ELEVATION (FT. NAVD88) ON DATE DRILLED
- BT BORING TERMINATED AT DEPTH INDICATED
- 200= PERCENT PASSING NO. 200 U.S. STANDARD SIEVE
- MC= PERCENT NATURAL MOISTURE CONTENT
- LL= LIQUID LIMIT
- PI= PLASTICITY INDEX
- NP= NON-PLASTIC



GENERAL NOTES

STANDARD PENETRATION TEST BORINGS WERE PERFORMED IN ACCORDANCE WITH ASTM D-1586. STANDARD PENETRATION RESISTANCES ARE SHOWN ON THE BORINGS AT THE TEST DEPTHS IN IN BLOWS PER FOOT UNLESS OTHERWISE NOTED.

SUBSURFACE CONDITIONS SHOWN REPRESENT THE CONDITIONS ENCOUNTERED AT THE BORING AND SOUNDING LOCATIONS. ACTUAL CONDITIONS BETWEEN THE BORINGS AND SOUNDINGS MAY VARY FROM THOSE SHOWN. UNIFIED SOIL CLASSIFICATIONS SHOWN ON THE BORINGS ARE BASED ON VISUAL EXAMINATION AND THE LABORATORY TESTING SHOWN.

ELECTRONIC CONE PENETRATION TEST SOUNDINGS WERE PERFORMED IN ACCORDANCE WITH ASTM D-3441-79.

THE BORING AND SOUNDING LOCATIONS WERE ESTABLISHED IN THE FIELD USING SUB-METER ACCURACY GPS UNIT (TRIMBLE GEO 7X). GROUND SURFACE ELEVATIONS ESTIMATED FROM PROJECT CROSS SECTIONS. BORING AND SOUNDING LOCATIONS REFERENCE THE SR 429 CENTERLINE.

BASED ON REVIEW OF THE U.S. GEOLOGICAL SURVEY MAP ENTITLED "POTENTIOMETRIC SURFACE OF THE UPPER FLORIDAN AQUIFER IN ST. JOHNS RIVER WATER MANAGEMENT DISTRICT AND VICINITY, FLORIDA, SEPTEMBER 2008" FOR THE PROJECT AREA, THE MAXIMUM ELEVATION OF THE ARTESIAN HEAD IS ESTIMATED TO BE +25 FT. NAVD88. THE CONTRACTOR SHALL BE PREPARED TO HANDLE ARTESIAN HEAD LEVELS UP TO +25 FT. NAVD88.

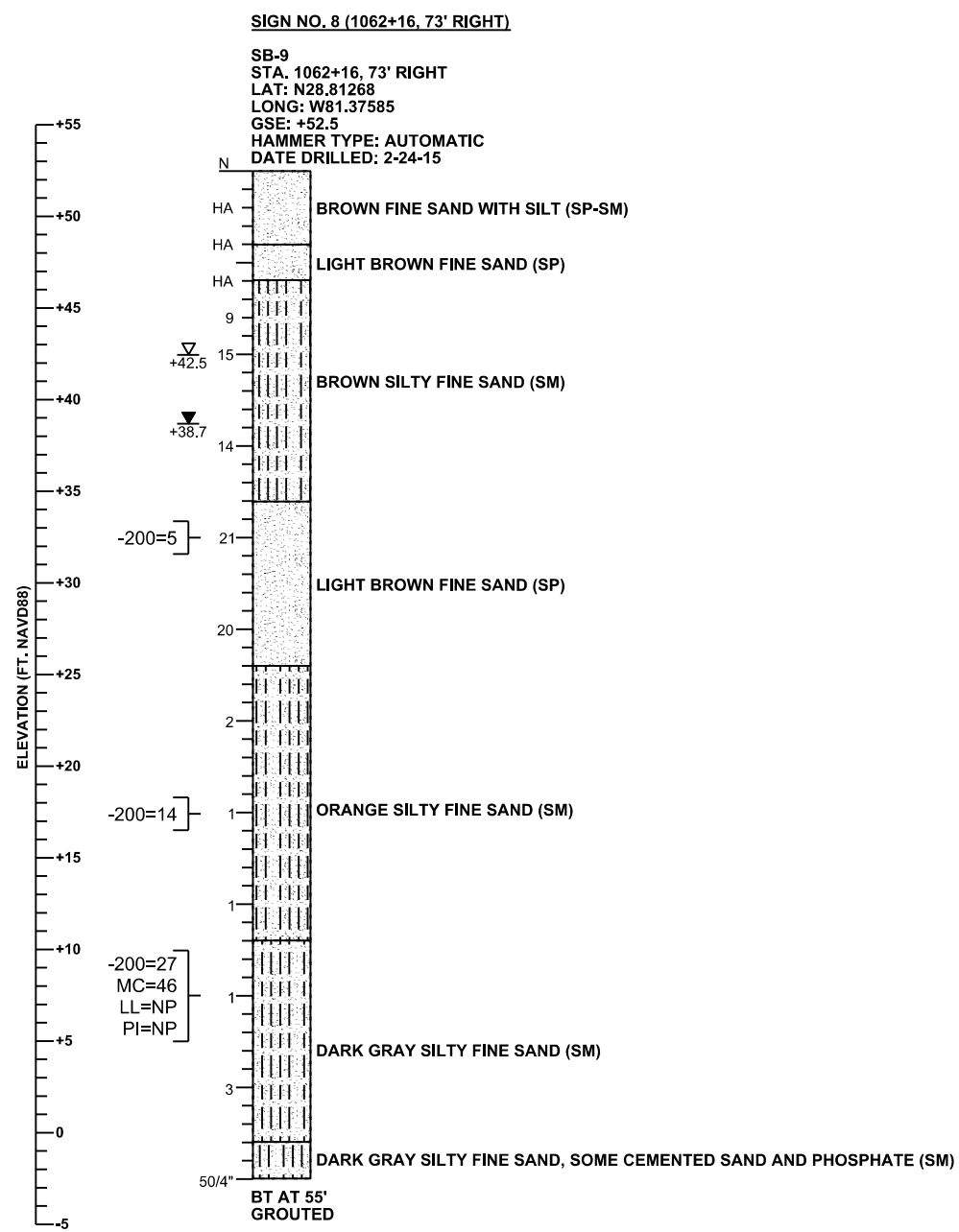
SPLIT SPOON SAMPLER:
 INSIDE DIAMETER: 1.375 IN.
 OUTSIDE DIAMETER: 2.0 IN.
 AVERAGE HAMMER DROP: 30 IN.
 HAMMER WEIGHT: 140 LBS.
 HAMMER TYPE: AUTOMATIC

CORRELATION OF STANDARD PENETRATION RESISTANCE WITH RELATIVE DENSITY AND CONSISTENCY OF SOIL

AUTOMATIC HAMMER N VALUE		
GRANULAR SOILS	(blows per foot)	RELATIVE DENSITY
SANDS	0-3	VERY LOOSE
	3-8	LOOSE
	8-24	MEDIUM DENSE
	24-40	DENSE
	OVER 40	VERY DENSE
AUTOMATIC HAMMER N VALUE		
NON-GRANULAR SOILS	(blows per foot)	CONSISTENCY
SILTS, CLAYS, MUCK, PEAT	0-1	VERY SOFT
	1-3	SOFT
	3-6	FIRM
	6-12	STIFF
	12-24	VERY STIFF
OVER 24	HARD	

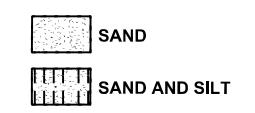
SECTION: 26
 TOWNSHIP: 19 SOUTH
 RANGE: 29 EAST

REVISIONS						GEOTECHNICAL AND ENVIRONMENTAL CONSULTANTS, INC. 919 Lake Baldwin Lane Orlando, FL 32814 T 407-898-1818 F 407-898-1837 Certificate of Authorization No. 5882 DANIEL C. STANFILL PE NO. 42763	DRAWN BY: SKR CHECKED BY: DCS 42763 DESIGNED BY: CGB 71571 CHECKED BY: CGB 71571	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			SHEET TITLE: REPORT OF SPT BORING AND CPT SOUNDING	REF. DWG. NO.
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION			ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
							SR 429	SEMINOLE	240200-2-52-01	WEKIVA PARKWAY SECTION 7A	SHEET NO. 5-87	



LEGEND

- GSE GROUND SURFACE ELEVATION (FT. NAVD88)
- N STANDARD PENETRATION RESISTANCE, BLOWS PER FOOT
- HA HAND AUGERED FOR UTILITY CLEARANCE
- 50/4" NUMBER OF BLOWS FOR 4 INCHES OF PENETRATION
- ▽ +42.5 ESTIMATED SEASONAL HIGH GROUNDWATER ELEVATION (FT. NAVD88)
- ▼ +38.7 ENCOUNTERED GROUNDWATER ELEVATION (FT. NAVD88) ON DATE DRILLED
- BT BORING TERMINATED AT DEPTH INDICATED
- 200= PERCENT PASSING NO. 200 U.S. STANDARD SIEVE
- MC= PERCENT NATURAL MOISTURE CONTENT
- LL= LIQUID LIMIT
- PI= PLASTICITY INDEX
- NP= NON-PLASTIC



GENERAL NOTES

SUBSURFACE CONDITIONS SHOWN ON THE BORINGS REPRESENT THE CONDITIONS ENCOUNTERED AT THE BORING LOCATIONS. ACTUAL CONDITIONS BETWEEN THE BORINGS MAY VARY FROM THOSE SHOWN. UNIFIED SOIL CLASSIFICATIONS SHOWN ON THE BORINGS ARE BASED ON VISUAL EXAMINATION AND THE LABORATORY TESTING SHOWN.

STANDARD PENETRATION TEST BORINGS WERE PERFORMED IN ACCORDANCE WITH ASTM D-1586. STANDARD PENETRATION RESISTANCES ARE SHOWN ON THE BORINGS AT THE TEST DEPTHS IN IN BLOWS PER FOOT UNLESS OTHERWISE NOTED.

THE BORING LOCATIONS WERE ESTABLISHED IN THE FIELD USING SUB-METER ACCURACY GPS UNIT (TRIMBLE GEO 7X). GROUND SURFACE ELEVATIONS ESTIMATED FROM PROJECT CROSS SECTIONS. BORING LOCATIONS REFERENCE THE SR 429 CENTERLINE.

BASED ON REVIEW OF THE U.S. GEOLOGICAL SURVEY MAP ENTITLED "POTENTIOMETRIC SURFACE OF THE UPPER FLORIDAN AQUIFER IN ST. JOHNS RIVER WATER MANAGEMENT DISTRICT AND VICINITY, FLORIDA, SEPTEMBER 2008" FOR THE PROJECT AREA, THE MAXIMUM ELEVATION OF THE ARTESIAN HEAD IS ESTIMATED TO BE +26 FT. NAVD88. THE CONTRACTOR SHALL BE PREPARED TO HANDLE ARTESIAN HEAD LEVELS UP TO +26 FT. NAVD88.

SPLIT SPOON SAMPLER:
 INSIDE DIAMETER: 1.375 IN.
 OUTSIDE DIAMETER: 2.0 IN.
 AVERAGE HAMMER DROP: 30 IN.
 HAMMER WEIGHT: 140 LBS.
 HAMMER TYPE: AUTOMATIC

CORRELATION OF STANDARD PENETRATION RESISTANCE WITH RELATIVE DENSITY AND CONSISTENCY OF SOIL

AUTOMATIC HAMMER N VALUE		
GRANULAR SOILS	(blows per foot)	RELATIVE DENSITY
SANDS	0-3	VERY LOOSE
	3-8	LOOSE
	8-24	MEDIUM DENSE
	24-40	DENSE
	OVER 40	VERY DENSE
AUTOMATIC HAMMER N VALUE		
NON-GRANULAR SOILS	(blows per foot)	CONSISTENCY
SILTS, CLAYS, MUCK, PEAT	0-1	VERY SOFT
	1-3	SOFT
	3-6	FIRM
	6-12	STIFF
	12-24	VERY STIFF
	OVER 24	HARD

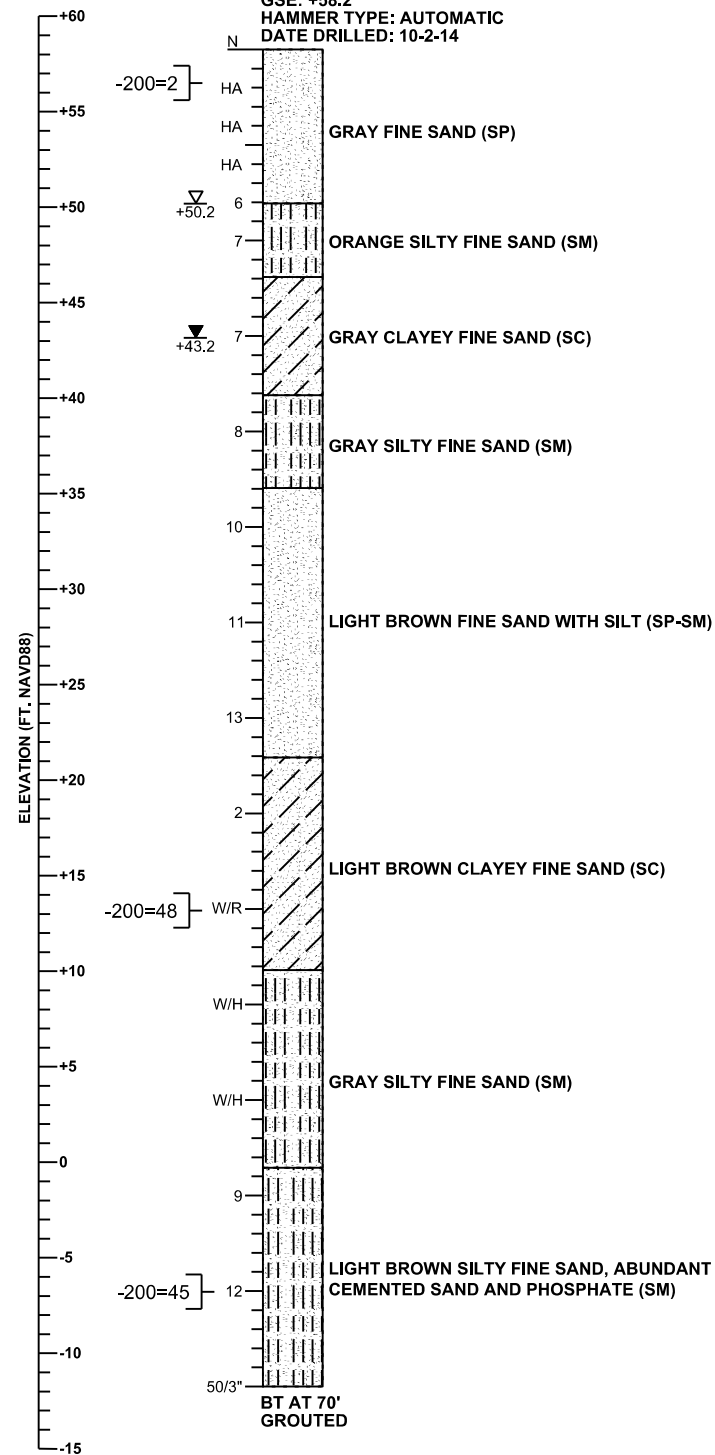
**SECTION: 25
 TOWNSHIP: 19 SOUTH
 RANGE: 29 EAST**

REVISIONS						GEOTECHNICAL AND ENVIRONMENTAL CONSULTANTS, INC. 919 Lake Baldwin Lane Orlando, FL 32814 T 407-898-1818 F 407-898-1837 Certificate of Authorization No. 5882 DANIEL C. STANFILL PE NO. 42763	DRAWN BY: SKR CHECKED BY: DCS 42763 DESIGNED BY: CGB 71571 CHECKED BY: CGB 71571	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			SHEET TITLE: <p style="text-align: center; font-size: 1.2em;"><i>REPORT OF SPT BORINGS</i></p>	REF. DWG. NO.
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION			ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
						SR 429	SEMINOLE	240200-2-52-01	WEKIVA PARKWAY SECTION 7A	5-88		

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

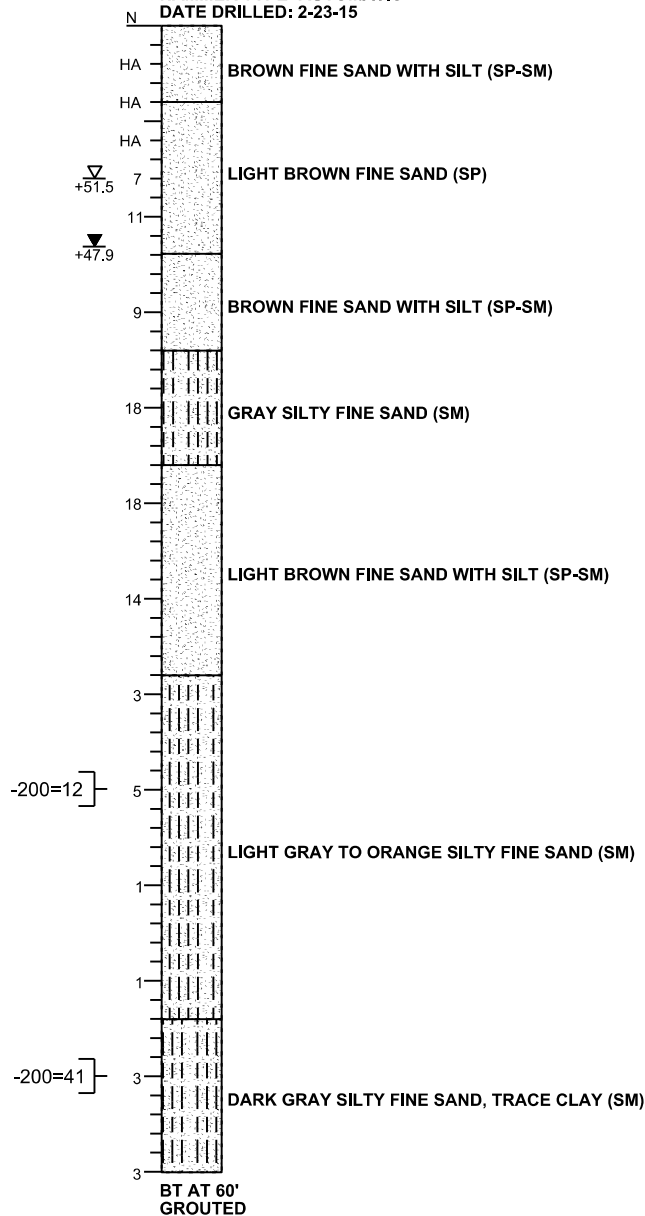
SIGN NO. 9LT (1075+36, 60' LEFT)

WB-93
 STA. 3157+00, 45' RIGHT
 LAT: 28.81242
 LONG: W81.37164
 GSE: +58.2
 HAMMER TYPE: AUTOMATIC
 DATE DRILLED: 10-2-14



SIGN NO. 9RT (1075+36, 60' RIGHT)

SB-10
 STA. 1075+36, 60' RIGHT
 LAT: N28.81201
 LONG: W81.37185
 GSE: +59.5
 HAMMER TYPE: AUTOMATIC
 DATE DRILLED: 2-23-15



LEGEND

- GSE GROUND SURFACE ELEVATION (FT. NAVD88)
- N STANDARD PENETRATION RESISTANCE, BLOWS PER FOOT
- HA HAND AUGERED FOR UTILITY CLEARANCE
- 50/3" NUMBER OF BLOWS FOR 3 INCHES OF PENETRATION
- W/H WEIGHT OF HAMMER
- W/R WEIGHT OF ROD
- ▽ ESTIMATED SEASONAL HIGH GROUNDWATER ELEVATION (FT. NAVD88)
- ▼ ENCOUNTERED GROUNDWATER ELEVATION (FT. NAVD88) ON DATE DRILLED
- BT BORING TERMINATED AT DEPTH INDICATED
- 200= PERCENT PASSING NO. 200 U.S. STANDARD SIEVE



GENERAL NOTES

SUBSURFACE CONDITIONS SHOWN ON THE BORINGS REPRESENT THE CONDITIONS ENCOUNTERED AT THE BORING LOCATIONS. ACTUAL CONDITIONS BETWEEN THE BORINGS MAY VARY FROM THOSE SHOWN. UNIFIED SOIL CLASSIFICATIONS SHOWN ON THE BORINGS ARE BASED ON VISUAL EXAMINATION AND THE LABORATORY TESTING SHOWN.

STANDARD PENETRATION TEST BORINGS WERE PERFORMED IN ACCORDANCE WITH ASTM D-1586. STANDARD PENETRATION RESISTANCES ARE SHOWN ON THE BORINGS AT THE TEST DEPTHS IN IN BLOWS PER FOOT UNLESS OTHERWISE NOTED.

THE BORING LOCATIONS WERE ESTABLISHED IN THE FIELD USING SUB-METER ACCURACY GPS UNIT (TRIMBLE GEO 7X). GROUND SURFACE ELEVATIONS ESTIMATED FROM PROJECT CROSS SECTIONS. BORING LOCATIONS REFERENCE THE SR 429 CENTERLINE.

BASED ON REVIEW OF THE U.S. GEOLOGICAL SURVEY MAP ENTITLED "POTENTIOMETRIC SURFACE OF THE UPPER FLORIDAN AQUIFER IN ST. JOHNS RIVER WATER MANAGEMENT DISTRICT AND VICINITY, FLORIDA, SEPTEMBER 2008" FOR THE PROJECT AREA, THE MAXIMUM ELEVATION OF THE ARTESIAN HEAD IS ESTIMATED TO BE +27 FT. NAVD88. THE CONTRACTOR SHALL BE PREPARED TO HANDLE ARTESIAN HEAD LEVELS UP TO +27 FT. NAVD88.

SPLIT SPOON SAMPLER:
 INSIDE DIAMETER: 1.375 IN.
 OUTSIDE DIAMETER: 2.0 IN.
 AVERAGE HAMMER DROP: 30 IN.
 HAMMER WEIGHT: 140 LBS.
 HAMMER TYPE: AUTOMATIC

CORRELATION OF STANDARD PENETRATION RESISTANCE WITH RELATIVE DENSITY AND CONSISTENCY OF SOIL

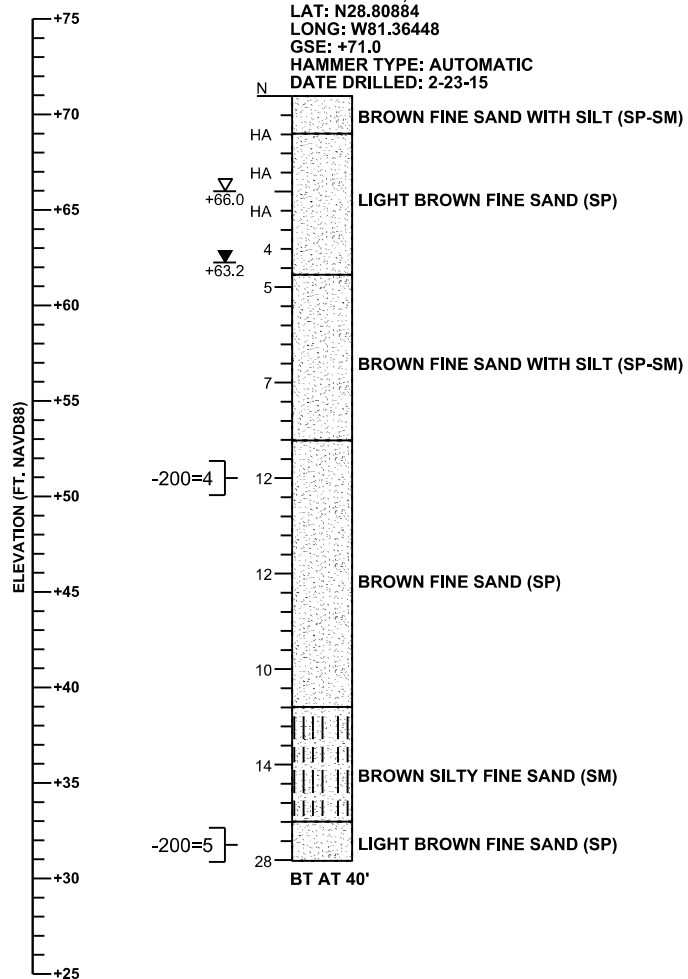
GRANULAR SOILS	AUTOMATIC HAMMER N VALUE (blows per foot)	RELATIVE DENSITY
SANDS	0-3	VERY LOOSE
	3-8	LOOSE
	8-24	MEDIUM DENSE
	24-40	DENSE
	OVER 40	VERY DENSE
NON-GRANULAR SOILS	AUTOMATIC HAMMER N VALUE (blows per foot)	CONSISTENCY
SILTS, CLAYS, MUCK, PEAT	0-1	VERY SOFT
	1-3	SOFT
	3-6	FIRM
	6-12	STIFF
	12-24	VERY STIFF
	OVER 24	HARD

**SECTION: 25
 TOWNSHIP: 19 SOUTH
 RANGE: 29 EAST**

REVISIONS						GEOTECHNICAL AND ENVIRONMENTAL CONSULTANTS, INC. 919 Lake Baldwin Lane Orlando, FL 32814 T 407-898-1818 F 407-898-1837 Certificate of Authorization No. 5882 DANIEL C. STANFILL PE NO. 42763	DRAWN BY: SKR CHECKED BY: DCS 42763 DESIGNED BY: CGB 71571 CHECKED BY: CGB 71571	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			SHEET TITLE: REPORT OF SPT BORINGS	REF. DWG. NO.
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION			ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
							SR 429	SEMINOLE	240200-2-52-01	WEKIVA PARKWAY SECTION 7A	5-89	

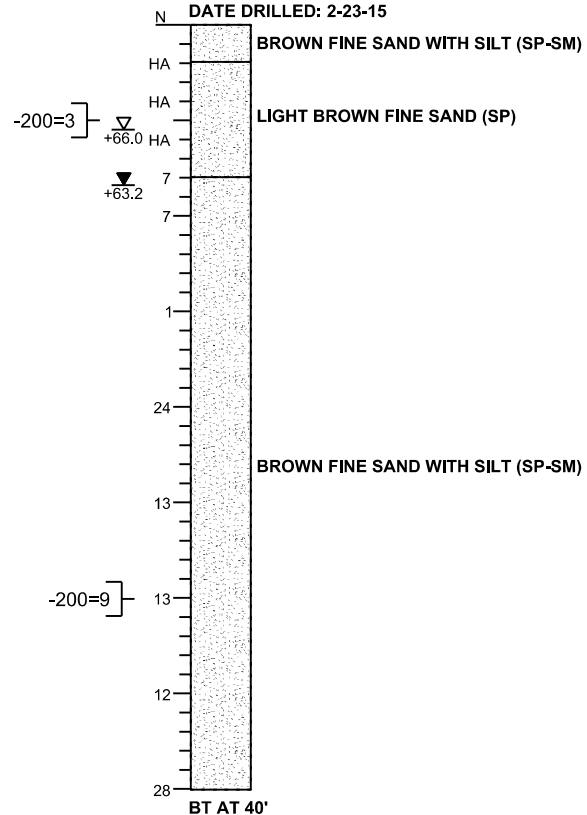
SIGN NO. 11LT (1101+76, 60' LEFT)

SB-12
 STA. 1101+76, 60' LEFT
 LAT: N28.80884
 LONG: W81.36448
 GSE: +71.0
 HAMMER TYPE: AUTOMATIC
 DATE DRILLED: 2-23-15



SIGN NO. 11RT (1101+76, 60' RIGHT)

SB-13
 STA. 1101+76, 70' RIGHT
 LAT: N28.80859
 LONG: W81.36472
 GSE: +71.5
 HAMMER TYPE: AUTOMATIC
 DATE DRILLED: 2-23-15



LEGEND

- GSE GROUND SURFACE ELEVATION (FT. NAVD88)
- N STANDARD PENETRATION RESISTANCE, BLOWS PER FOOT
- HA HAND AUGERED FOR UTILITY CLEARANCE
- ▽+66.0 ESTIMATED SEASONAL HIGH GROUNDWATER ELEVATION (FT. NAVD88)
- ▽+63.2 ENCOUNTERED GROUNDWATER ELEVATION (FT. NAVD88) ON DATE DRILLED
- BT BORING TERMINATED AT DEPTH INDICATED
- 200= PERCENT PASSING NO. 200 U.S. STANDARD SIEVE



GENERAL NOTES

SUBSURFACE CONDITIONS SHOWN ON THE BORINGS REPRESENT THE CONDITIONS ENCOUNTERED AT THE BORING LOCATIONS. ACTUAL CONDITIONS BETWEEN THE BORINGS MAY VARY FROM THOSE SHOWN. UNIFIED SOIL CLASSIFICATIONS SHOWN ON THE BORINGS ARE BASED ON VISUAL EXAMINATION AND THE LABORATORY TESTING SHOWN.

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BASED ON REVIEW OF THE U.S. GEOLOGICAL SURVEY MAP ENTITLED "POTENTIOMETRIC SURFACE OF THE UPPER FLORIDAN AQUIFER IN ST. JOHNS RIVER WATER MANAGEMENT DISTRICT AND VICINITY, FLORIDA, SEPTEMBER 2008" FOR THE PROJECT AREA, THE MAXIMUM ELEVATION OF THE ARTESIAN HEAD IS ESTIMATED TO BE +29 FT. NAVD88. THE CONTRACTOR SHALL BE PREPARED TO HANDLE ARTESIAN HEAD LEVELS UP TO +29 FT. NAVD88.

SPLIT SPOON SAMPLER:
 INSIDE DIAMETER: 1.375 IN.
 OUTSIDE DIAMETER: 2.0 IN.
 AVERAGE HAMMER DROP: 30 IN.
 HAMMER WEIGHT: 140 LBS.
 HAMMER TYPE: AUTOMATIC

CORRELATION OF STANDARD PENETRATION RESISTANCE WITH RELATIVE DENSITY AND CONSISTENCY OF SOIL

GRANULAR SOILS	AUTOMATIC HAMMER		
	N VALUE (blows per foot)	RELATIVE DENSITY	
SANDS	0-3	VERY LOOSE	
	3-8	LOOSE	
	8-24	MEDIUM DENSE	
	24-40	DENSE	
	OVER 40	VERY DENSE	
NON-GRANULAR SOILS	AUTOMATIC HAMMER		
	N VALUE (blows per foot)	CONSISTENCY	
	SILTS, CLAYS, MUCK, PEAT	0-1	VERY SOFT
		1-3	SOFT
		3-6	FIRM
		6-12	STIFF
12-24		VERY STIFF	
OVER 24		HARD	

**SECTION: 25
 TOWNSHIP: 19 SOUTH
 RANGE: 29 EAST**

REVISIONS

DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

GEOTECHNICAL AND ENVIRONMENTAL CONSULTANTS, INC.
 919 Lake Baldwin Lane
 Orlando, FL 32814
 T 407-898-1818 F 407-898-1837
 Certificate of Authorization No. 5882
DANIEL C. STANFILL PE NO. 42763

DRAWN BY: SKR
 CHECKED BY: DCS 42763
 DESIGNED BY: CGB 71571
 CHECKED BY: CGB 71571

STATE OF FLORIDA
 DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 429	SEMINOLE	240200-2-52-01

SHEET TITLE: **REPORT OF SPT BORINGS**

PROJECT NAME: **WEKIVA PARKWAY SECTION 7A**

REF. DWG. NO. **S-91**

SHEET NO. **5-91**