

STATE OF FLORIDA  
DEPARTMENT OF TRANSPORTATION

CONTRACT PLANS

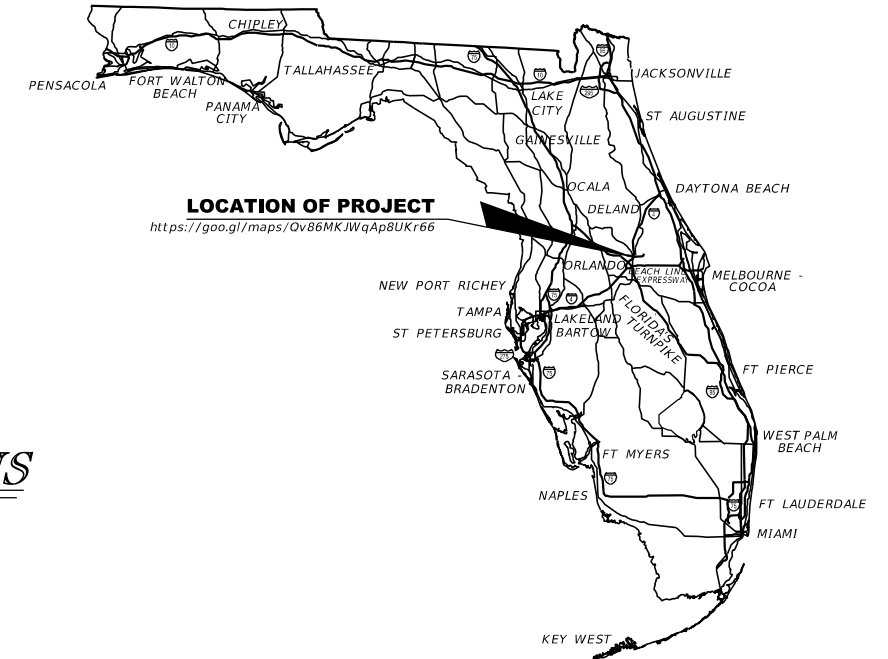
FINANCIAL PROJECT ID 441113-1-52-01

(FEDERAL FUNDS)

ORANGE COUNTY (75280)

STATE ROAD NO. 400 (1-4)

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 - S-6A	TABULATION OF QUANTITIES
S-7	GENERAL NOTES
S-8 - S-30	SIGNING AND PAVEMENT MARKING PLAN
S-31 - S-37	GUIDE SIGN WORK SHEET
S-38	MULTI-POST DESIGN SUMMARY
S-39 - S-51	SIGN CROSS SECTION
S-52 - S-54	CANTILEVER SIGN STRUCTURES DATA TABLE
S-55	SIGN STRUCTURE FOUNDATION DETAILS
S-56 - S-59	REPORT OF SPT BORINGS

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

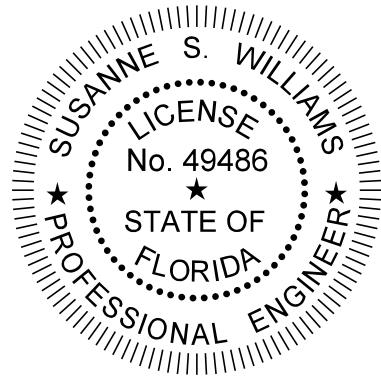
SUSANNE S. WILLIAMS, P.E. NO.: 49486  
TRAFFIC ENGINEERING DATA SOLUTIONS, INC.  
80 SPRING VISTA DRIVE  
DEBARY, FL 32713  
(386) 753-0558  
CONTRACT NO.: C9176  
VENDOR NO.: F208375642002

**FDOT PROJECT MANAGER:**

Su Hao, P.E.

CONSTRUCTION CONTRACT NO.	FISCAL YEAR	SHEET NO.
TBD	21	S-1

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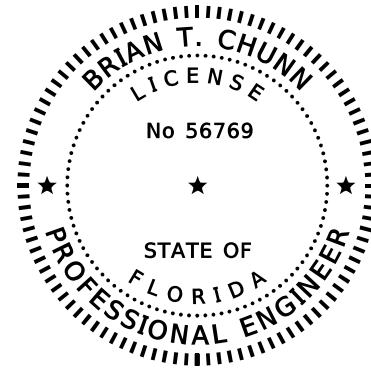
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TRAFFIC ENGINEERING DATA SOLUTIONS, INC.  
80 SPRING VISTA DRIVE  
DEBARY, FL 32713  
SUSANNE S. WILLIAMS, P.E. NO. 49486

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 DESCRIPTION</u>
S-1	KEY SHEET
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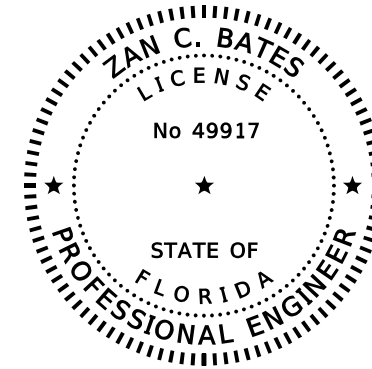
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AECOM TECHNICAL SERVICES, INC.  
150 N. ORANGE AVENUE, SUITE 200  
ORLANDO, FL 32801-1949  
BRIAN T. CHUNN, P.E. NO. 56769

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 DESCRIPTION</u>
S-2	SIGNATURE SHEET
S-38	MULTI-POST DESIGN SUMMARY
S-52 - S-54	CANTILEVER SIGN STRUCTURES DATA TABLE
S-55	SIGN STRUCTURE FOUNDATION DETAILS



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ARDAMAN AND ASSOCIATES  
3331 BARTLETT BOULEVARD  
ORLANDO, FL 32811  
ZAN C. BATES, P.E. NO. 49917

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 DESCRIPTION</u>
S-2	SIGNATURE SHEET
S-56 - S-59	REPORT OF SPT BORINGS

REVISIONS

DATE	DESCRIPTION	DATE	DESCRIPTION

SUSANNE S. WILLIAMS, P.E.  
P.E. NO.: 49486  
TRAFFIC ENGINEERING DATA SOLUTIONS, INC.  
80 SPRING VISTA DRIVE  
DEBARY, FL 32713

STATE OF FLORIDA  
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

**SIGNATURE SHEET**

SHEET NO.

S-2

**TABULATION OF QUANTITIES**

PAY ITEM NO.	DESCRIPTION	UNIT	SHEET NUMBERS														TOTAL THIS SHEET	
			S-8		S-9		S-10		S-11		S-12		S-13		S-14		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				1					1		1		6		10
700-1-12	SINGLE POST SIGN, F&I, GROUND MOUNT, 12-20 SF	AS			1		1											2
700-1-13	SINGLE POST SIGN, F&I, GROUND MOUNT, 21-30 SF	AS							1									1
700-1-14	SINGLE POST SIGN, F&I, GROUND MOUNT, 31+ SF	AS																
700-1-50	SINGLE POST SIGN, RELOCATE	AS			1													1
700-1-60	SINGLE POST SIGN, REMOVE	AS	1		1		1		1		1							5
700-2-14	MULTI-POST SIGN, F&I, GROUND MOUNT, 31-50 SF	AS									1					2		3
700-2-15	MULTI-POST SIGN, F&I, GROUND MOUNT, 51-100 SF	AS					1		1									2
700-2-16	MULTI-POST SIGN, F&I, GROUND MOUNT, 101-200 SF	AS																
700-2-50	MULTI-POST SIGN, GROUND MOUNT, RELOCATE	AS														1		1
700-2-60	MULTI-POST SIGN, REMOVE	AS					1		1		1		1					4
700-3-203	SIGN PANEL, F&I, OVERHEAD MOUNT, 21-30 SF	EA					1		1				1			1		4
700-3-205	SIGN PANEL, F&I, OVERHEAD MOUNT, 51-100 SF	EA														1		1
700-3-206	SIGN PANEL, F&I, OVERHEAD MOUNT, 101-200 SF	EA					1		1				1					3
700-3-209	SIGN PANEL, F&I, OVERHEAD MOUNT, 401-500 SF	EA																
700-3-603	SIGN PANEL, REMOVE, 21-30 SF	EA																
700-3-605	SIGN PANEL, REMOVE, 51-100 SF	EA																
700-3-626	SIGN PANEL, REMOVE, 101-200 SF WITH LIGHTING	EA																
700-4-114	OVERHEAD STATIC SIGN STRUCTURE, F&I, CANTILEVER, 41-50 FT	EA					1		1				1		1			4
700-4-126	OVERHEAD STATIC SIGN STRUCTURE, F&I, SPAN, 101-150 FT	EA																
700-4-610	OVERHEAD STATIC SIGN STRUCTURE, REMOVE CANTILEVER	EA																
700-4-620	OVERHEAD STATIC SIGN STRUCTURE, REMOVE SPAN	EA																
700-6-11	HIGHLIGHTED SIGN, F&I GROUND MOUNT - AC POWERED, UP TO 12 SF	AS														4		4
705-10-1	OBJECT MARKER, TYPE 1	EA																
705-11-1	DELINEATOR, FLEXIBLE TUBULAR	EA			13								5		25			43
710-90	PAINTED PAVEMENT MARKINGS - FINAL SURFACE	LS																
*	RETRO-REFLECTIVE PAVEMENT MARKER	EA																
*	W-R	EA	105		185		178		108		111		138		380		1205	
*	Y-R	EA			4										32		36	
*	MD-Y	EA																
*	PAINTED PAVEMENT MARKINGS, STD, WHITE, SOLID, 6"	GM	0.157		0.255		0.275		0.275		0.275		0.275		0.732		2	
*	PAINTED PAVEMENT MARKINGS, STD, WHITE, SOLID FOR INTERCHANGE MARKINGS, 12"	GM	0.062		0.145		0.063						0.078		0.081		0.429	
*	PAINTED PAVEMENT MARKINGS, STD, WHITE, SOLID FOR CROSSWALK AND ROUNDABOUT, 12"	LF																
*	PAINTED PAVEMENT MARKINGS, STD, WHITE, SOLID, 18"	LF													49		49	
*	PAINTED PAVEMENT MARKINGS, STD, WHITE, SOLID, 24"	LF																
*	PAINTED PAVEMENT MARKINGS, STD, WHITE, SKIP, 3-9 SKIP, 6"	GM	0.097		0.048		0.156						0.016		0.032		0.349	
*	PAINTED PAVEMENT MARKINGS, STD, WHITE, SKIP, 10-30 SKIP, 6"	GM	0.479		0.668		0.825		0.839		0.821		0.821		1.489		5.942	
*	PAINTED PAVEMENT MARKINGS, STD, WHITE, SKIP, 6-10 SKIP, 6"	GM																
*	PAINTED PAVEMENT MARKINGS, STD, WHITE, 3'-9' SKIP DROP LINE & APPROACH TO TOLL PLAZA, 12"	GM																
*	PAINTED PAVEMENT MARKINGS, STD, WHITE, DOTTED/GUIDELINE/2-4 DOT EXT. 6"	GM																
*	PAINTED PAVEMENT MARKINGS, STD, WHITE, MESSAGE OR SYMBOL																	
*	INTERSTATE SHIELD																	
*	MERGE ONLY	EA	1		1													2
*	WEST																	
*	PAINTED PAVEMENT MARKINGS, STD, WHITE, ARROWS																	
*	LEFT ARROW																	
*	MERGE ARROW	EA	1		1													8
*	RIGHT ARROW																	
*	THRU ARROW																	
*	THRU/LEFT ARROW																	
*	WRONG WAY ARROW														6			
*	PAINTED PAVEMENT MARKINGS, STD, YELLOW, SOLID, 6"	GM	0.161		0.251		0.275		0.275		0.275		0.275		0.691		2.203	
*	PAINTED PAVEMENT MARKINGS, STD, YELLOW, SOLID, 18"	LF																
711-11-103	THERMOPLASTIC, STANDARD, WHITE, SOLID, 12" FOR INTERCHANGE MARKINGS	GM	0.062		0.145		0.063						0.078		0.081		0.429	
711-11-123	THERMOPLASTIC, STANDARD, WHITE, SOLID, 12" FOR CROSSWALK AND ROUNDABOUT	LF																
711-11-124	THERMOPLASTIC, STANDARD, WHITE, SOLID, 18" FOR DIAGONALS AND CHEVRONS	LF																
711-11-125	THERMOPLASTIC, STANDARD, WHITE, SOLID, 24" FOR STOP LINE AND CROSSWALK	LF																

\*THESE QUANTITIES ARE PAID FOR UNDER PAINTED PAVEMENT MARKINGS (FINAL SURFACE), LUMP SUM - ITEM NO. 710-90. THE QUANTITIES SHOWN ARE FOR ONE APPLICATION; SEE SPECIFICATION 710 FOR NUMBER OF APPLICATIONS REQUIRED.

<table border="1"> <thead> <tr> <th colspan="2">REVISIONS</th> </tr> <tr> <th>DATE</th> <th>DESCRIPTION</th> </tr> </thead> <tbody> <tr> <td> </td> <td> </td> </tr> </tbody> </table>				REVISIONS		DATE	DESCRIPTION			SUSANNE S. WILLIAMS, P.E. P.E. NO.: 49486 TRAFFIC ENGINEERING DATA SOLUTIONS, INC. 80 SPRING VISTA DRIVE DEBARY, FL 32713	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION <table border="1"> <tr> <th>ROAD NO.</th> <th>COUNTY</th> <th>FINANCIAL PROJECT ID</th> </tr> <tr> <td>SR 400</td> <td>ORANGE</td> <td>441113-1-52-01</td> </tr> </table>	ROAD NO.	COUNTY	FINANCIAL PROJECT ID	SR 400	ORANGE	441113-1-52-01	SHEET NO. S-3
REVISIONS																		
DATE	DESCRIPTION																	
ROAD NO.	COUNTY	FINANCIAL PROJECT ID																
SR 400	ORANGE	441113-1-52-01																

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**TABULATION OF QUANTITIES**

PAY ITEM NO.	DESCRIPTION	UNIT	SHEET NUMBERS														TOTAL THIS SHEET	
			S-8		S-9		S-10		S-11		S-12		S-13		S-14		PLAN	FINAL
			PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL		
711-11-141	THERMOPLASTIC, STANDARD, WHITE, 6-10 GAP EXTENSION, 6"	GM																
	THERMOPLASTIC, STANDARD, WHITE, 2-4 DOTTED GUIDELINE, 6"																	
711-11-160	THERMOPLASTIC, STANDARD, WHITE, MESSAGE OR SYMBOL	EA																
	INTERSTATE SHEILD																	
	MERGE ONLY		1		1												2	
	WEST																	
711-11-170	THERMOPLASTIC, STANDARD, WHITE, ARROW	EA																
	LEFT ARROW																	
	MERGE ARROW		1		1													
	RIGHT ARROW																	
	THRU ARROW																	
	THRU/LEFT ARROW																	
	WRONG WAY ARROW													6				
711-11-180	THERMOPLASTIC, STANDARD, WHITE, YIELD LINE	LF																
711-11-224	THERMOPLASTIC, STANDARD, YELLOW, SOLID, 18" FOR DIAGONAL OR CHEVRON	LF																
711-14-125	THERMOPLASTIC, PREFORMED, WHITE, SOLID, 24" FOR CROSSWALK	LF																
711-14-160	THERMOPLASTIC, PREFORMED, WHITE, MESSAGE (BIKE SYMBOL)	EA																
711-14-170	THERMOPLASTIC, PREFORMED, WHITE, ARROW (BIKE ARROW)	EA																
711-15-101	THERMOPLASTIC, STANDARD-OPEN GRADED ASPHALT SURFACES, WHITE, SOLID, 6"	GM	0.157		0.255		0.275		0.275		0.275		0.275		0.732		2.244	
711-15-131	THERMOPLASTIC, STANDARD-OPEN GRADED ASPHALT SURFACES, WHITE, SKIP, 6", 3-9 LANE DROP	GM	0.097		0.048		0.156						0.016		0.032		0.349	
	THERMOPLASTIC, STANDARD-OPEN GRADED ASPHALT SURFACES, WHITE, SKIP, 6", 10-30 SKIP		0.479		0.668		0.825		0.839		0.821		0.821		1.489		5.942	
711-15-201	THERMOPLASTIC, STANDARD-OPEN GRADED ASPHALT SURFACES, YELLOW, SOLID, 6"	GM	0.161		0.251		0.275		0.275		0.275		0.275		0.691		2.203	
713-103-101	PERMANENT TAPE, WHITE, SOLID, 6" FOR CONCRETE BRIDGES	GM	0.004		0.045												0.049	
713-103-131	PERMANENT TAPE, WHITE, SKIP/DOTTED, 6" FOR CONCRETE SURFACES	GM	0.002		0.206												0.208	
713-103-201	PERMANENT TAPE, YELLOW, SOLID, 6" FOR CONCRETE BRIDGES	GM			0.050												0.050	
713-103-331	PERMANENT TAPE, BLACK, SKIP/DOTTED, 6" FOR CONCRETE SURFACES	GM	0.002		0.206												0.208	

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REVISIONS																							
DATE	DESCRIPTION	DATE	DESCRIPTION																				
ROAD NO.		COUNTY	FINANCIAL PROJECT ID		S-3A																		
SR 400		ORANGE	441113-1-52-01		S-3A																		

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**TABULATION OF QUANTITIES**

PAY ITEM NO.	DESCRIPTION	UNIT	SHEET NUMBERS														TOTAL THIS SHEET	
			S-15		S-16		S-17		S-18		S-19		S-20		S-21		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	7				1										8	
700-1-12	SINGLE POST SIGN, F&I, GROUND MOUNT, 12-20 SF	AS			3		1		2								6	
700-1-13	SINGLE POST SIGN, F&I, GROUND MOUNT, 21-30 SF	AS																
700-1-14	SINGLE POST SIGN, F&I, GROUND MOUNT, 31+ SF	AS			2												2	
700-1-50	SINGLE POST SIGN, RELOCATE	AS																
700-1-60	SINGLE POST SIGN, REMOVE	AS	1		4		2		2								9	
700-2-14	MULTI-POST SIGN, F&I, GROUND MOUNT, 31-50 SF	AS	1						1				1				3	
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		1								3	
700-2-50	MULTI-POST SIGN, GROUND MOUNT, RELOCATE	AS	1														1	
700-2-60	MULTI-POST SIGN, REMOVE	AS			3				1				1				5	
700-3-203	SIGN PANEL, F&I, OVERHEAD MOUNT, 21-30 SF	EA			1		1		3				1				6	
700-3-205	SIGN PANEL, F&I, OVERHEAD MOUNT, 51-100 SF	EA			1												1	
700-3-206	SIGN PANEL, F&I, OVERHEAD MOUNT, 101-200 SF	EA			2		2		2				1				7	
700-3-209	SIGN PANEL, F&I, OVERHEAD MOUNT, 401-500 SF	EA							1								1	
700-3-603	SIGN PANEL, REMOVE, 21-30 SF	EA			1		2										3	
700-3-605	SIGN PANEL, REMOVE, 51-100 SF	EA					2										2	
700-3-626	SIGN PANEL, REMOVE, 101-200 SF WITH LIGHTING	EA			1												1	
700-4-114	OVERHEAD STATIC SIGN STRUCTURE, F&I, CANTILEVER, 41-50 FT	EA			2		2		2				1				7	
700-4-126	OVERHEAD STATIC SIGN STRUCTURE, F&I, SPAN, 101-150 FT	EA																
700-4-610	OVERHEAD STATIC SIGN STRUCTURE, REMOVE CANTILEVER	EA			1												1	
700-4-620	OVERHEAD STATIC SIGN STRUCTURE, REMOVE SPAN	EA					1										1	
700-6-11	HIGHLIGHTED SIGN, F&I GROUND MOUNT - AC POWERED, UP TO 12 SF	AS	4														4	
705-10-1	OBJECT MARKER, TYPE 1	EA																
705-11-1	DELINEATOR, FLEXIBLE TUBULAR	EA			22		21		34									
710-90	PAINTED PAVEMENT MARKINGS - FINAL SURFACE	LS																
*	RETRO-REFLECTIVE PAVEMENT MARKER	EA																
*	W-R	EA	421		379		411		374				54				1639	
*	Y-R	EA	62		61		51		52				18				244	
*	MD-Y	EA																
*	PAINTED PAVEMENT MARKINGS, STD, WHITE, SOLID, 6"	GM	0.907		1.012		0.937		0.829				0.232				3.917	
*	PAINTED PAVEMENT MARKINGS, STD, WHITE, SOLID FOR INTERCHANGE MARKINGS, 12"	GM	0.126		0.274		0.245		0.439								1.084	
*	PAINTED PAVEMENT MARKINGS, STD, WHITE, SOLID FOR CROSSWALK AND ROUNDABOUT, 12"	LF																
*	PAINTED PAVEMENT MARKINGS, STD, WHITE, SOLID, 18"	LF			678		128		161								967	
*	PAINTED PAVEMENT MARKINGS, STD, WHITE, SOLID, 24"	LF																
*	PAINTED PAVEMENT MARKINGS, STD, WHITE, SKIP, 3-9 SKIP, 6"	GM	0.025				0.212		0.064								0.301	
*	PAINTED PAVEMENT MARKINGS, STD, WHITE, SKIP, 10-30 SKIP, 6"	GM	1.292		1.894		1.718		1.330				0.296				6.530	
*	PAINTED PAVEMENT MARKINGS, STD, WHITE, SKIP, 6-10 SKIP, 6"	GM																
*	PAINTED PAVEMENT MARKINGS, STD, WHITE, 3'-9' SKIP DROP LINE & APPROACH TO TOLL PLAZA, 12"	GM																
*	PAINTED PAVEMENT MARKINGS, STD, WHITE, DOTTED/GUIDELINE/2-4 DOT EXT. 6"	GM																
*	PAINTED PAVEMENT MARKINGS, STD, WHITE, MESSAGE OR SYMBOL																	
*	INTERSTATE SHIELD				1													
*	MERGE	EA					1		1								4	
*	ONLY																	
*	WEST				1													
*	PAINTED PAVEMENT MARKINGS, STD, WHITE, ARROWS																	
*	LEFT ARROW				8													
*	MERGE ARROW						1		1									
*	RIGHT ARROW	EA			8												24	
*	THRU ARROW																	
*	THRU/LEFT ARROW																	
*	WRONG WAY ARROW				6													
*	PAINTED PAVEMENT MARKINGS, STD, YELLOW, SOLID, 6"	GM	0.720		1.012		0.937		0.829				0.232				3.730	
*	PAINTED PAVEMENT MARKINGS, STD, YELLOW, SOLID, 18"	LF																
711-11-103	THERMOPLASTIC, STANDARD, WHITE, SOLID, 12" FOR INTERCHANGE MARKINGS	GM	0.126		0.274		0.245		0.439								1.084	
711-11-123	THERMOPLASTIC, STANDARD, WHITE, SOLID, 12" FOR CROSSWALK AND ROUNDABOUT	LF																
711-11-124	THERMOPLASTIC, STANDARD, WHITE, SOLID, 18" FOR DIAGONALS AND CHEVRONS	LF			678		128		161								967	
711-11-125	THERMOPLASTIC, STANDARD, WHITE, SOLID, 24" FOR STOP LINE AND CROSSWALK	LF																

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REVISIONS																									
DATE	DESCRIPTION	DATE	DESCRIPTION																						
ROAD NO.		COUNTY	FINANCIAL PROJECT ID		SR 400	ORANGE	441113-1-52-01		S-4																

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**TABULATION OF QUANTITIES**

PAY ITEM NO.	DESCRIPTION	UNIT	SHEET NUMBERS														TOTAL THIS SHEET	
			S-15		S-16		S-17		S-18		S-19		S-20		S-21		PLAN	FINAL
			PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL		
711-11-141	THERMOPLASTIC, STANDARD, WHITE, 6-10 GAP EXTENSION, 6"	GM																
	THERMOPLASTIC, STANDARD, WHITE, 2-4 DOTTED GUIDELINE, 6"																	
711-11-160	THERMOPLASTIC, STANDARD, WHITE, MESSAGE OR SYMBOL	EA																
	INTERSTATE SHEILD				1													
	MERGE ONLY						1		1									
	WEST				1													
711-11-170	THERMOPLASTIC, STANDARD, WHITE, ARROW	EA																
	LEFT ARROW																	
	MERGE ARROW								1		1							
	RIGHT ARROW																	
	THRU ARROW																	
	THRU/LEFT ARROW																	
	WRONG WAY ARROW																	
711-11-180	THERMOPLASTIC, STANDARD, WHITE, YIELD LINE	LF																
711-11-224	THERMOPLASTIC, STANDARD, YELLOW, SOLID, 18" FOR DIAGONAL OR CHEVRON	LF																
711-14-125	THERMOPLASTIC, PREFORMED, WHITE, SOLID, 24" FOR CROSSWALK	LF																
711-14-160	THERMOPLASTIC, PREFORMED, WHITE, MESSAGE (BIKE SYMBOL)	EA																
711-14-170	THERMOPLASTIC, PREFORMED, WHITE, ARROW (BIKE ARROW)	EA																
711-15-101	THERMOPLASTIC, STANDARD-OPEN GRADED ASPHALT SURFACES WHITE, SOLID, 6"	GM	0.907		1.012			0.937		0.829			0.232				3.917	
711-15-131	THERMOPLASTIC, STANDARD-OPEN GRADED ASPHALT SURFACES, WHITE, SKIP, 6", 3-9 LANE DROP	GM	0.025					0.212		0.064							0.301	
	THERMOPLASTIC, STANDARD-OPEN GRADED ASPHALT SURFACES, WHITE, SKIP, 6", 10-30 SKIP		1.292		1.894		1.718		1.330		0.296							6.530
711-15-201	THERMOPLASTIC, STANDARD-OPEN GRADED ASPHALT SURFACES, YELLOW, SOLID, 6"	GM	0.720		1.012			0.937		0.829			0.232				3.730	
713-103-101	PERMANENT TAPE, WHITE, SOLID, 6" FOR CONCRETE BRIDGES	GM	0.129														0.129	
713-103-131	PERMANENT TAPE, WHITE, SKIP/DOTTED, 6" FOR CONCRETE SURFACES	GM	0.129														0.129	
713-103-201	PERMANENT TAPE, YELLOW, SOLID, 6" FOR CONCRETE BRIDGES	GM	0.129														0.129	
713-103-331	PERMANENT TAPE, BLACK, SKIP/DOTTED, 6" FOR CONCRETE SURFACES	GM	0.129														0.129	

<b>REVISIONS</b>				SUSANNE S. WILLIAMS, P.E. P.E. NO.: 49486 TRAFFIC ENGINEERING DATA SOLUTIONS, INC. 80 SPRING VISTA DRIVE DEBARY, FL 32713	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			<b>TABULATION OF QUANTITIES</b>	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		S-4A
					SR 400	ORANGE	441113-1-52-01		

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

**TABULATION OF QUANTITIES**

PAY ITEM NO.	DESCRIPTION	UNIT	SHEET NUMBERS														TOTAL THIS SHEET	
			S-22		S-23		S-24		S-25		S-26		S-27		S-28		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					2				12				17		31	
700-1-12	SINGLE POST SIGN, F&I, GROUND MOUNT, 12-20 SF	AS																
700-1-13	SINGLE POST SIGN, F&I, GROUND MOUNT, 21-30 SF	AS																
700-1-14	SINGLE POST SIGN, F&I, GROUND MOUNT, 31+ SF	AS																
700-1-50	SINGLE POST SIGN, RELOCATE	AS																
700-1-60	SINGLE POST SIGN, REMOVE	AS					3				2				1		6	
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									1						1	
700-2-50	MULTI-POST SIGN, GROUND MOUNT, RELOCATE	AS																
700-2-60	MULTI-POST SIGN, REMOVE	AS									1				1		2	
700-3-203	SIGN PANEL, F&I, OVERHEAD MOUNT, 21-30 SF	EA	1														1	
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		2	
700-3-209	SIGN PANEL, F&I, OVERHEAD MOUNT, 401-500 SF	EA																
700-3-603	SIGN PANEL, REMOVE, 21-30 SF	EA																
700-3-605	SIGN PANEL, REMOVE, 51-100 SF	EA																
700-3-626	SIGN PANEL, REMOVE, 101-200 SF WITH LIGHTING	EA																
700-4-114	OVERHEAD STATIC SIGN STRUCTURE, F&I, CANTILEVER, 41-50 FT	EA	1												1		2	
700-4-126	OVERHEAD STATIC SIGN STRUCTURE, F&I, SPAN, 101-150 FT	EA																
700-4-610	OVERHEAD STATIC SIGN STRUCTURE, REMOVE CANTILEVER	EA																
700-4-620	OVERHEAD STATIC SIGN STRUCTURE, REMOVE SPAN	EA																
700-6-11	HIGHLIGHTED SIGN, F&I GROUND MOUNT - AC POWERED, UP TO 12 SF	AS																
705-10-1	OBJECT MARKER, TYPE 1	EA					1				2				2		5	
705-11-1	DELINEATOR, FLEXIBLE TUBULAR	EA																
710-90	PAINTED PAVEMENT MARKINGS - FINAL SURFACE	LS																
*	RETRO-REFLECTIVE PAVEMENT MARKER	EA																
*	W-R	EA			82				136				153				371	
*	Y-R	EA							20				39				59	
*	MD-Y	EA			10				85				86				181	
*	PAINTED PAVEMENT MARKINGS, STD, WHITE, SOLID, 6"	GM			0.371				0.368				0.516				1.255	
*	PAINTED PAVEMENT MARKINGS, STD, WHITE, SOLID FOR INTERCHANGE MARKINGS, 12"	GM							0.041								0.041	
*	PAINTED PAVEMENT MARKINGS, STD, WHITE, SOLID FOR CROSSWALK AND ROUNDABOUT, 12"	LF							231				299				530	
*	PAINTED PAVEMENT MARKINGS, STD, WHITE, SOLID, 18"	LF			219				302				251				772	
*	PAINTED PAVEMENT MARKINGS, STD, WHITE, SOLID, 24"	LF			65				102				113				280	
*	PAINTED PAVEMENT MARKINGS, STD, WHITE, SKIP, 3-9 SKIP, 6"	GM							0.039								0.039	
*	PAINTED PAVEMENT MARKINGS, STD, WHITE, SKIP, 10-30 SKIP, 6"	GM			0.079				0.285				0.288				0.652	
*	PAINTED PAVEMENT MARKINGS, STD, WHITE, SKIP, 6-10 SKIP, 6"	GM																
*	PAINTED PAVEMENT MARKINGS, STD, WHITE, 3'-9' SKIP DROP LINE & APPROACH TO TOLL PLAZA, 12"	GM																
*	PAINTED PAVEMENT MARKINGS, STD, WHITE, DOTTED/GUIDELINE/2-4 DOT EXT. 6"	GM							0.142				0.125				0.267	
*	PAINTED PAVEMENT MARKINGS, STD, WHITE, MESSAGE OR SYMBOL																	
*	INTERSTATE SHIELD																	
*	MERGE	EA															2	
*	ONLY												2					
*	WEST																	
*	PAINTED PAVEMENT MARKINGS, STD, WHITE, ARROWS																	
*	LEFT ARROW				6				4				6					
*	MERGE ARROW																	
*	RIGHT ARROW	EA			4				4				5				46	
*	THRU ARROW								8				7					
*	THRU/LEFT ARROW												2					
*	WRONG WAY ARROW																	
*	PAINTED PAVEMENT MARKINGS, STD, YELLOW, SOLID, 6"	GM			0.105				0.200				0.220				0.525	
*	PAINTED PAVEMENT MARKINGS, STD, YELLOW, SOLID, 18"	LF							216				439				655	
711-11-103	THERMOPLASTIC, STANDARD, WHITE, SOLID, 12" FOR INTERCHANGE MARKINGS	GM							0.041								0.041	
711-11-123	THERMOPLASTIC, STANDARD, WHITE, SOLID, 12" FOR CROSSWALK AND ROUNDABOUT	LF							231				299				530	
711-11-124	THERMOPLASTIC, STANDARD, WHITE, SOLID, 18" FOR DIAGONALS AND CHEVRONS	LF			219				302				251				772	
711-11-125	THERMOPLASTIC, STANDARD, WHITE, SOLID, 24" FOR STOP LINE AND CROSSWALK	LF			65				102				113				280	

\*THESE QUANTITIES ARE PAID FOR UNDER PAINTED PAVEMENT MARKINGS (FINAL SURFACE), LUMP SUM - ITEM NO. 710-90. THE QUANTITIES SHOWN ARE FOR ONE APPLICATION; SEE SPECIFICATION 710 FOR NUMBER OF APPLICATIONS REQUIRED.

<table border="1"> <thead> <tr> <th colspan="2">REVISIONS</th> </tr> <tr> <th>DATE</th> <th>DESCRIPTION</th> </tr> </thead> <tbody> <tr> <td> </td> <td> </td> </tr> </tbody> </table>				REVISIONS		DATE	DESCRIPTION			SUSANNE S. WILLIAMS, P.E. P.E. NO.: 49486 TRAFFIC ENGINEERING DATA SOLUTIONS, INC. 80 SPRING VISTA DRIVE DEBARY, FL 32713	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION <table border="1"> <thead> <tr> <th>ROAD NO.</th> <th>COUNTY</th> <th>FINANCIAL PROJECT ID</th> </tr> </thead> <tbody> <tr> <td>SR 400</td> <td>ORANGE</td> <td>441113-1-52-01</td> </tr> </tbody> </table>	ROAD NO.	COUNTY	FINANCIAL PROJECT ID	SR 400	ORANGE	441113-1-52-01	SHEET NO. S-5
REVISIONS																		
DATE	DESCRIPTION																	
ROAD NO.	COUNTY	FINANCIAL PROJECT ID																
SR 400	ORANGE	441113-1-52-01																

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**TABULATION OF QUANTITIES**

PAY ITEM NO.	DESCRIPTION	UNIT	SHEET NUMBERS														TOTAL THIS SHEET	
			S-22		S-23		S-24		S-25		S-26		S-27		S-28		PLAN	FINAL
			PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL		
711-11-141	THERMOPLASTIC, STANDARD, WHITE, 6-10 GAP EXTENSION, 6"	GM																
	THERMOPLASTIC, STANDARD, WHITE, 2-4 DOTTED GUIDELINE, 6"							0.142					0.125					0.267
711-11-160	THERMOPLASTIC, STANDARD, WHITE, MESSAGE OR SYMBOL	EA																
	INTERSTATE SHEILD																	
	MERGE ONLY													2				
	WEST																	
711-11-170	THERMOPLASTIC, STANDARD, WHITE, ARROW	EA																
	LEFT ARROW				6				4				6					
	MERGE ARROW																	
	RIGHT ARROW				4				4				5					
	THRU ARROW								8				7					
	THRU/LEFT ARROW												2					
	WRONG WAY ARROW																	
711-11-180	THERMOPLASTIC, STANDARD, WHITE, YIELD LINE	LF											12				12	
711-11-224	THERMOPLASTIC, STANDARD, YELLOW, SOLID, 18" FOR DIAGONAL OR CHEVRON	LF																
711-14-125	THERMOPLASTIC, PREFORMED, WHITE, SOLID, 24" FOR CROSSWALK	LF							191				260				451	
711-14-160	THERMOPLASTIC, PREFORMED, WHITE, MESSAGE (BIKE SYMBOL)	EA			1				5				4				10	
711-14-170	THERMOPLASTIC, PREFORMED, WHITE, ARROW (BIKE ARROW)	EA			1				5				4				10	
711-15-101	THERMOPLASTIC, STANDARD-OPEN GRADED ASPHALT SURFACES WHITE, SOLID, 6"	GM			0.371				0.368				0.516				1.255	
711-15-131	THERMOPLASTIC, STANDARD-OPEN GRADED ASPHALT SURFACES, WHITE, SKIP, 6", 3-9 LANE DROP	GM							0.039								0.039	
	THERMOPLASTIC, STANDARD-OPEN GRADED ASPHALT SURFACES, WHITE, SKIP, 6", 10-30 SKIP					0.059				0.285				0.288				0.632
711-15-201	THERMOPLASTIC, STANDARD-OPEN GRADED ASPHALT SURFACES, YELLOW, SOLID, 6"	GM			0.105				0.200				0.220				0.525	
713-103-101	PERMANENT TAPE, WHITE, SOLID, 6" FOR CONCRETE BRIDGES	GM							0.090				0.123				0.213	
713-103-131	PERMANENT TAPE, WHITE, SKIP/DOTTED, 6" FOR CONCRETE SURFACES	GM							0.111				0.044				0.155	
713-103-201	PERMANENT TAPE, YELLOW, SOLID, 6" FOR CONCRETE BRIDGES	GM							0.080				0.081				0.161	
713-103-331	PERMANENT TAPE, BLACK, SKIP/DOTTED, 6" FOR CONCRETE SURFACES	GM							0.072				0.057				0.129	

<p align="center"><b>REVISIONS</b></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. WILLIAMS, P.E. P.E. NO.: 49486 TRAFFIC ENGINEERING DATA SOLUTIONS, INC. 80 SPRING VISTA DRIVE DEBARY, FL 32713</p>	<p align="center">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>SR 400</td> <td>ORANGE</td> <td>441113-1-52-01</td> </tr> </tbody> </table>	ROAD NO.	COUNTY	FINANCIAL PROJECT ID	SR 400	ORANGE	441113-1-52-01	<p align="center"><b>TABULATION OF QUANTITIES</b></p>	<p>SHEET NO.  S-5A</p>
DATE	DESCRIPTION	DATE	DESCRIPTION																		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID																			
SR 400	ORANGE	441113-1-52-01																			

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TABULATION OF QUANTITIES

PAY ITEM NO.	DESCRIPTION	UNIT	SHEET NUMBERS														TOTAL THIS SHEET		GRAND TOTAL	
			S-29		S-30												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												3		52	
700-1-12	SINGLE POST SIGN, F&I, GROUND MOUNT, 12-20 SF	AS																	8	
700-1-13	SINGLE POST SIGN, F&I, GROUND MOUNT, 21-30 SF	AS																	1	
700-1-14	SINGLE POST SIGN, F&I, GROUND MOUNT, 31+ SF	AS																	2	
700-1-50	SINGLE POST SIGN, RELOCATE	AS																	1	
700-1-60	SINGLE POST SIGN, REMOVE	AS			2												2		22	
700-2-14	MULTI-POST SIGN, F&I, GROUND MOUNT, 31-50 SF	AS																	6	
700-2-15	MULTI-POST SIGN, F&I, GROUND MOUNT, 51-100 SF	AS																	3	
700-2-16	MULTI-POST SIGN, F&I, GROUND MOUNT, 101-200 SF	AS			1												1		5	
700-2-50	MULTI-POST SIGN, GROUND MOUNT, RELOCATE	AS																	2	
700-2-60	MULTI-POST SIGN, REMOVE	AS																	11	
700-3-203	SIGN PANEL, F&I, OVERHEAD MOUNT, 21-30 SF	EA																	11	
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																	12	
700-3-209	SIGN PANEL, F&I, OVERHEAD MOUNT, 401-500 SF	EA																	1	
700-3-603	SIGN PANEL, REMOVE, 21-30 SF	EA																	3	
700-3-605	SIGN PANEL, REMOVE, 51-100 SF	EA																	2	
700-3-626	SIGN PANEL, REMOVE, 101-200 SF WITH LIGHTING	EA																	1	
700-4-114	OVERHEAD STATIC SIGN STRUCTURE, F&I, CANTILEVER, 41-50 FT	EA																	13	
700-4-126	OVERHEAD STATIC SIGN STRUCTURE, F&I, SPAN, 101-150 FT	EA																	0	
700-4-610	OVERHEAD STATIC SIGN STRUCTURE, REMOVE CANTILEVER	EA																	1	
700-4-620	OVERHEAD STATIC SIGN STRUCTURE, REMOVE SPAN	EA																	1	
700-6-11	HIGHLIGHTED SIGN, F&I GROUND MOUNT - AC POWERED, UP TO 12 SF	AS																	8	
705-10-1	OBJECT MARKER, TYPE 1	EA																	5	
705-11-1	DELINEATOR, FLEXIBLE TUBULAR	EA																	43	
710-90	PAINTED PAVEMENT MARKINGS - FINAL SURFACE	LS																	1	
*	RETRO-REFLECTIVE PAVEMENT MARKER	EA																		
*	W-R	EA	72														72		3287	
*	Y-R	EA	24														24		363	
*	MD-Y	EA															0		181	
*	PAINTED PAVEMENT MARKINGS, STD, WHITE, SOLID, 6"	GM	0.471														0.471		7.887	
*	PAINTED PAVEMENT MARKINGS, STD, WHITE, SOLID FOR INTERCHANGE MARKINGS, 12"	GM																	1.554	
*	PAINTED PAVEMENT MARKINGS, STD, WHITE, SOLID FOR CROSSWALK AND ROUNDABOUT, 12"	LF																	530	
*	PAINTED PAVEMENT MARKINGS, STD, WHITE, SOLID, 18"	LF																	1788	
*	PAINTED PAVEMENT MARKINGS, STD, WHITE, SOLID, 24"	LF																	280	
*	PAINTED PAVEMENT MARKINGS, STD, WHITE, SKIP, 3-9 SKIP, 6"	GM																	0.689	
*	PAINTED PAVEMENT MARKINGS, STD, WHITE, SKIP, 10-30 SKIP, 6"	GM	0.182														0.182		13.306	
*	PAINTED PAVEMENT MARKINGS, STD, WHITE, SKIP, 6-10 SKIP, 6"	GM	0.015														0.015		0.015	
*	PAINTED PAVEMENT MARKINGS, STD, WHITE, 3'-9' SKIP DROP LINE & APPROACH TO TOLL PLAZA, 12"	GM																	0.000	
*	PAINTED PAVEMENT MARKINGS, STD, WHITE, DOTTED/GUIDELINE/2-4 DOT EXT. 6"	GM	0.065														0.065		0.332	
*	PAINTED PAVEMENT MARKINGS, STD, WHITE, MESSAGE OR SYMBOL																			
*	INTERSTATE SHIELD																			
*	MERGE	EA															0		8	
*	ONLY																			
*	WEST																			
*	PAINTED PAVEMENT MARKINGS, STD, WHITE, ARROWS																			
*	LEFT ARROW																			
*	MERGE ARROW		3																	
*	RIGHT ARROW	EA																		
*	THRU ARROW		6																87	
*	THRU/LEFT ARROW																			
*	WRONG WAY ARROW																			
*	PAINTED PAVEMENT MARKINGS, STD, YELLOW, SOLID, 6"	GM	0.188														0.188		6.646	
*	PAINTED PAVEMENT MARKINGS, STD, YELLOW, SOLID, 18"	LF	372														372		1027	
711-11-103	THERMOPLASTIC, STANDARD, WHITE, SOLID, 12" FOR INTERCHANGE MARKINGS	GM																	1.554	
711-11-123	THERMOPLASTIC, STANDARD, WHITE, SOLID, 12" FOR CROSSWALK AND ROUNDABOUT	LF																	530	
711-11-124	THERMOPLASTIC, STANDARD, WHITE, SOLID, 18" FOR DIAGONALS AND CHEVRONS	LF																	1739	
711-11-125	THERMOPLASTIC, STANDARD, WHITE, SOLID, 24" FOR STOP LINE AND CROSSWALK	LF																	280	

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REVISIONS				SUSANNE S. WILLIAMS, P.E. P.E. NO.: 49486 TRAFFIC ENGINEERING DATA SOLUTIONS, INC. 80 SPRING VISTA DRIVE DEBARY, FL 32713	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			SHEET NO.  S-6
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID	
					SR 400	ORANGE	441113-1-52-01	

TABULATION OF QUANTITIES

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**TABULATION OF QUANTITIES**

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			S-29		S-30												PLAN	FINAL	PLAN	FINAL	
			PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL							
711-11-141	THERMOPLASTIC, STANDARD, WHITE, 6-10 GAP EXTENSION, 6"	GM	0.015													0.015		0.347			
	THERMOPLASTIC, STANDARD, WHITE, 2-4 DOTTED GUIDELINE, 6"		0.065													0.065					
711-11-160	THERMOPLASTIC, STANDARD, WHITE, MESSAGE OR SYMBOL	EA																8			
	INTERSTATE SHEILD																				
	MERGE ONLY																				
	WEST																				
711-11-170	THERMOPLASTIC, STANDARD, WHITE, ARROW	EA														9		87			
	LEFT ARROW		3																		
	MERGE ARROW																				
	RIGHT ARROW		6																		
	THRU ARROW																				
	THRU/LEFT ARROW																				
	WRONG WAY ARROW																				
711-11-180	THERMOPLASTIC, STANDARD, WHITE, YIELD LINE	LF																	12		
711-11-224	THERMOPLASTIC, STANDARD, YELLOW, SOLID, 18" FOR DIAGONAL OR CHEVRON	LF	372													372			372		
711-14-125	THERMOPLASTIC, PREFORMED, WHITE, SOLID, 24" FOR CROSSWALK	LF																	451		
711-14-160	THERMOPLASTIC, PREFORMED, WHITE, MESSAGE (BIKE SYMBOL)	EA	3													3			13		
711-14-170	THERMOPLASTIC, PREFORMED, WHITE, ARROW (BIKE ARROW)	EA	3													3			13		
711-15-101	THERMOPLASTIC, STANDARD-OPEN GRADED ASPHALT SURFACES WHITE, SOLID, 6"	GM	0.471													0.471			7.887		
711-15-131	THERMOPLASTIC, STANDARD-OPEN GRADED ASPHALT SURFACES, WHITE, SKIP, 6", 3-9 LANE DROP	GM																	13.975		
	THERMOPLASTIC, STANDARD-OPEN GRADED ASPHALT SURFACES, WHITE, SKIP, 6", 10-30 SKIP		0.182													0.182					
711-15-201	THERMOPLASTIC, STANDARD-OPEN GRADED ASPHALT SURFACES, YELLOW, SOLID, 6"	GM	0.188													0.188			6.646		
713-103-101	PERMANENT TAPE, WHITE, SOLID, 6" FOR CONCRETE BRIDGES	GM																	0.391		
713-103-131	PERMANENT TAPE, WHITE, SKIP/DOTTED, 6" FOR CONCRETE SURFACES	GM																	0.492		
713-103-201	PERMANENT TAPE, YELLOW, SOLID, 6" FOR CONCRETE BRIDGES	GM																	0.340		
713-103-331	PERMANENT TAPE, BLACK, SKIP/DOTTED, 6" FOR CONCRETE SURFACES	GM																	0.466		

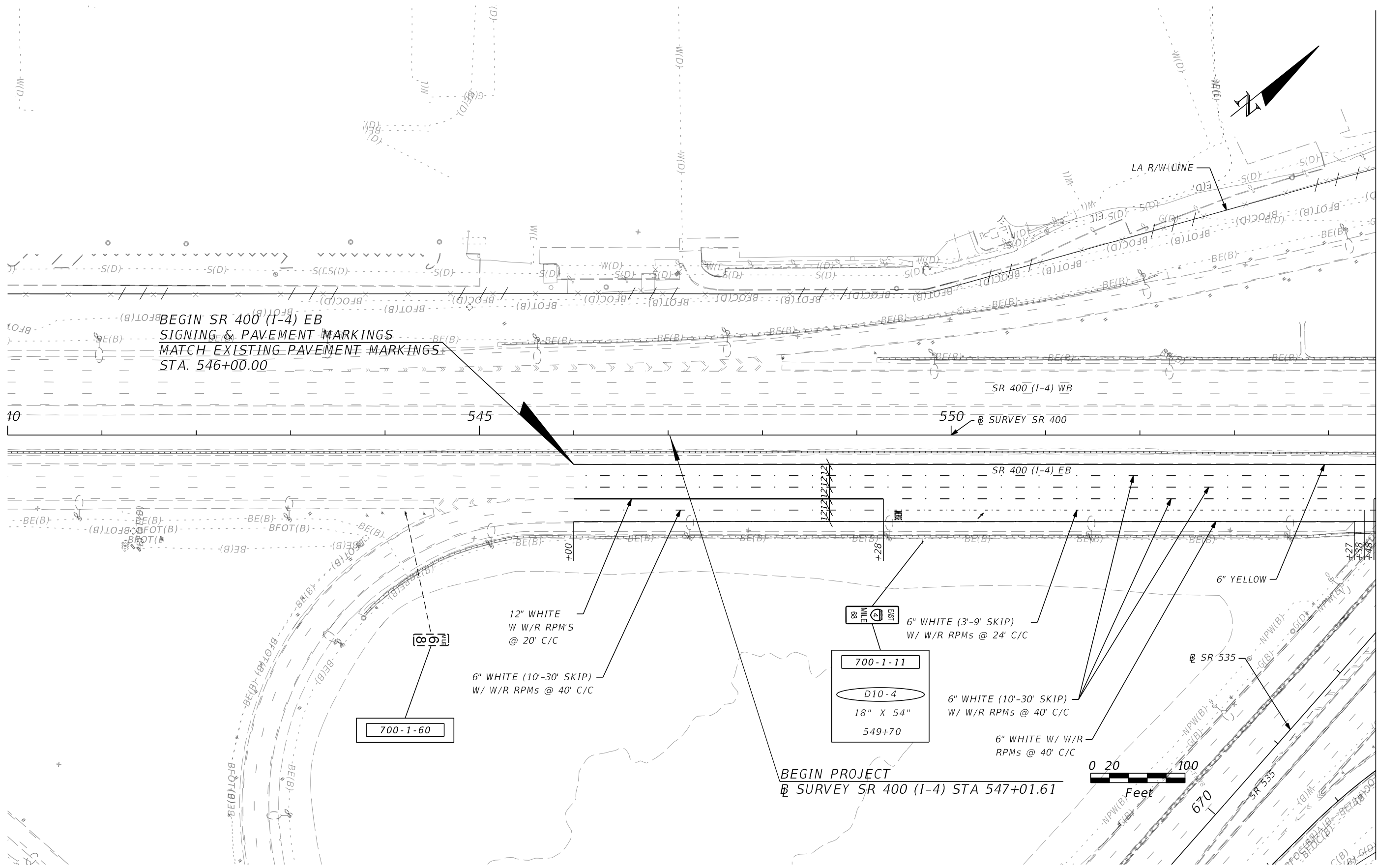
REVISIONS				SUSANNE S. WILLIAMS, P.E. P.E. NO.: 49486 TRAFFIC ENGINEERING DATA SOLUTIONS, INC. 80 SPRING VISTA DRIVE DEBARY, FL 32713	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			<b>TABULATION OF QUANTITIES</b>	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		S-6A
					SR 400	ORANGE	441113-1-52-01		

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

SIGN STRUCTURE

1. STRUCTURES CONTACTS:  
 DISTRICT FIVE STRUCTURES MAINTENANCE OFFICE 386-740-3463

REVISIONS				SUSANNE S. WILLIAMS, P.E. P.E. NO.: 49486 TRAFFIC ENGINEERING DATA SOLUTIONS, INC. 80 SPRING VISTA DRIVE DEBARY, FL 32713	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			GENERAL NOTES	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		S-7
					SR 400	ORANGE	441113-1-52-01		



BEGIN SR 400 (I-4) EB  
 SIGNING & PAVEMENT MARKINGS  
 MATCH EXISTING PAVEMENT MARKINGS  
 STA. 546+00.00

BEGIN PROJECT  
 SURVEY SR 400 (I-4) STA 549+70.161

MATCHLINE STA. 554+50.00

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

SUSANNE S. WILLIAMS, P.E.  
 P.E. NO.: 49486  
 TRAFFIC ENGINEERING DATA SOLUTIONS, INC.  
 80 SPRING VISTA DRIVE  
 DEBARY, FL 32713

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

**SIGNING AND PAVEMENT  
 MARKING PLAN (1)**

SHEET  
 NO.  
 S-8

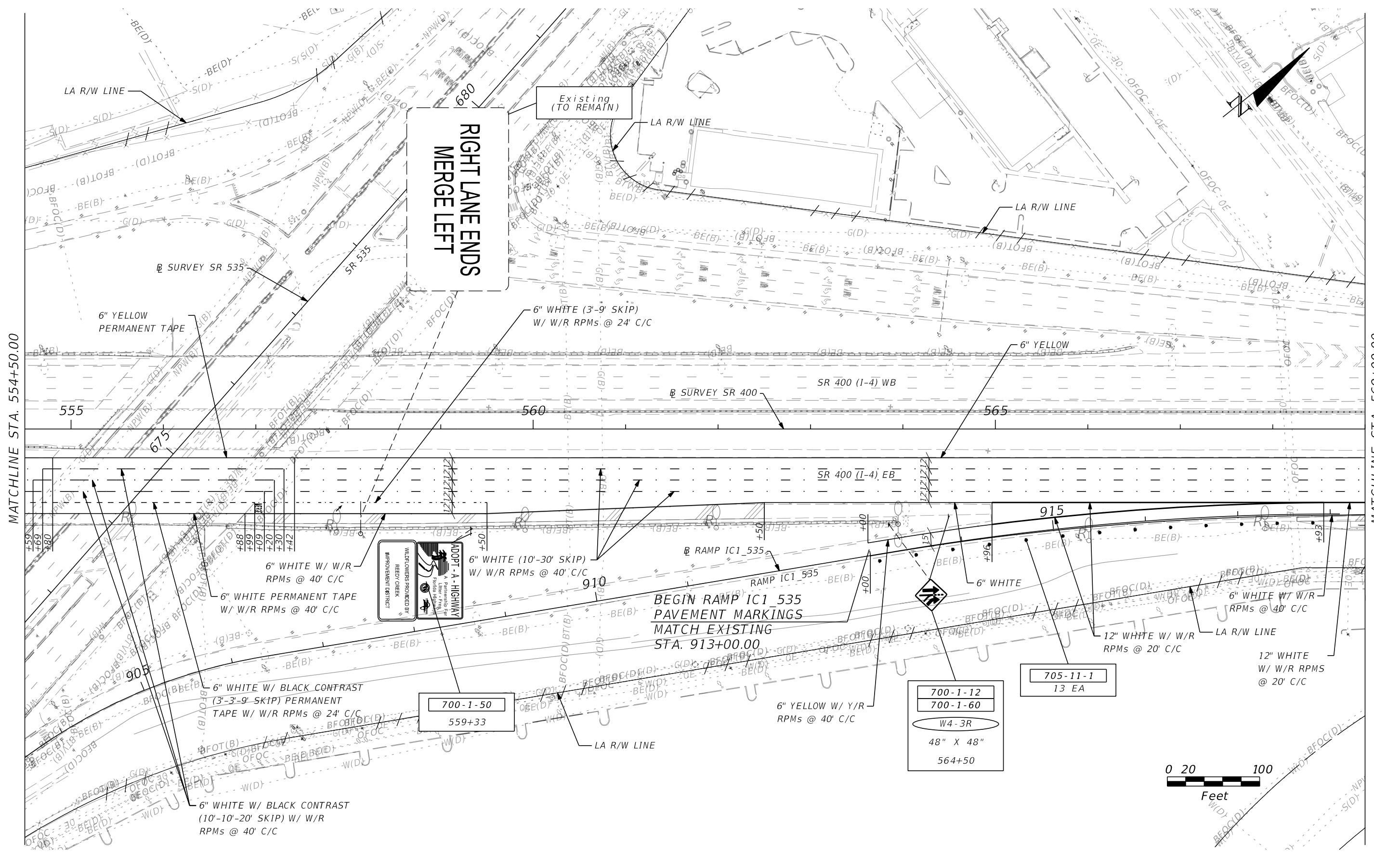
THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

MATCHLINE STA. 554+50.00

MATCHLINE STA. 569+00.00

**RIGHT LANE ENDS  
MERGE LEFT**

Existing  
(TO REMAIN)



700-1-50  
559+33

700-1-12  
700-1-60  
W4-3R  
48" X 48"  
564+50

705-11-1  
13 EA



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

SUSANNE S. WILLIAMS, P.E.  
P.E. NO.: 49486  
TRAFFIC ENGINEERING DATA SOLUTIONS, INC.  
80 SPRING VISTA DRIVE  
DEBARY, FL 32713

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

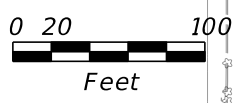
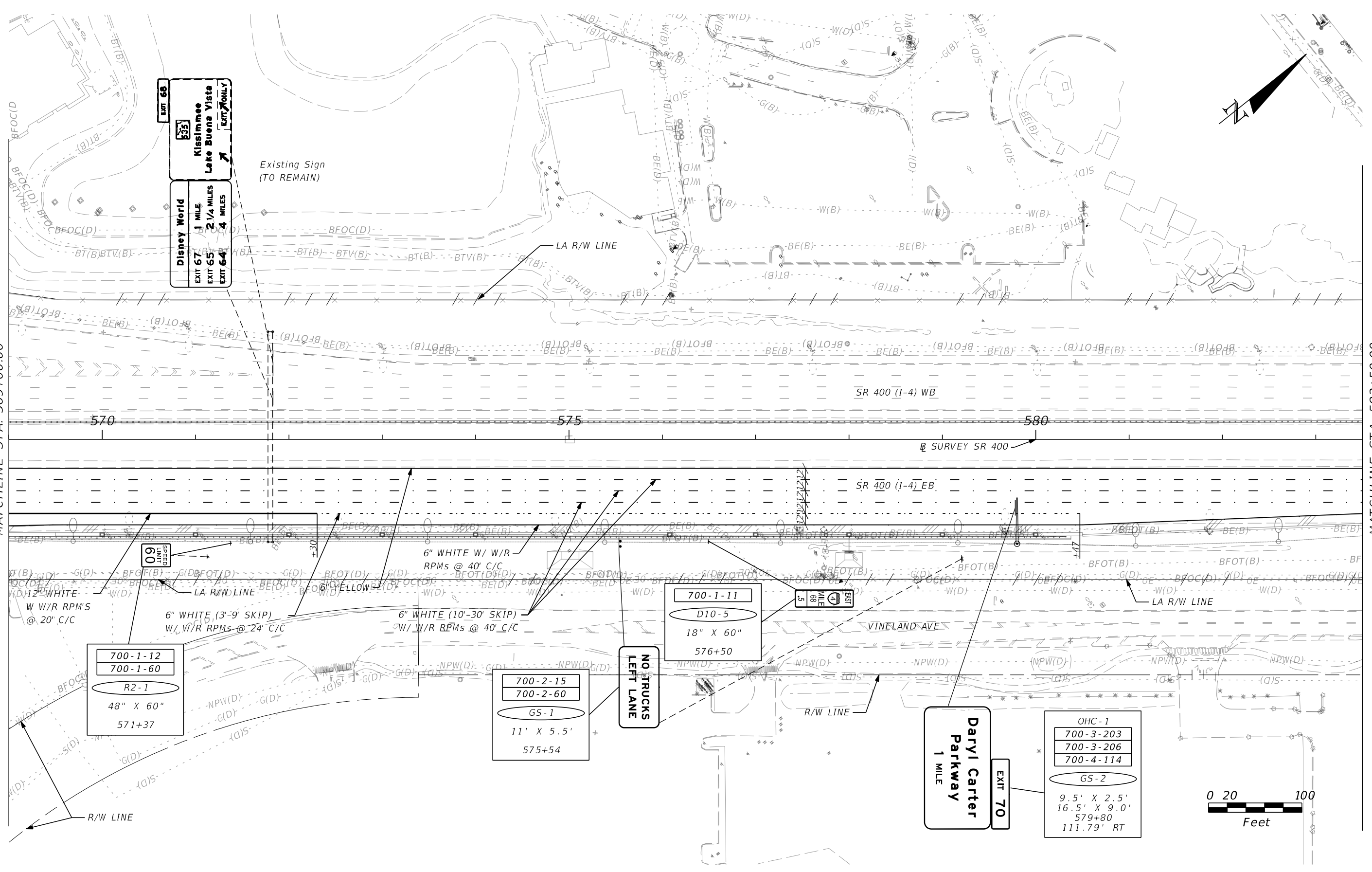
**SIGNING AND PAVEMENT  
MARKING PLAN (2)**

SHEET NO.  
S-9

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

MATCHLINE STA. 569+00.00

MATCHLINE STA. 583+50.00



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

SUSANNE S. WILLIAMS, P.E.  
P.E. NO.: 49486  
TRAFFIC ENGINEERING DATA SOLUTIONS, INC.  
80 SPRING VISTA DRIVE  
DEBARY, FL 32713

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

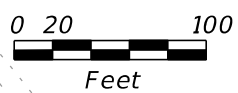
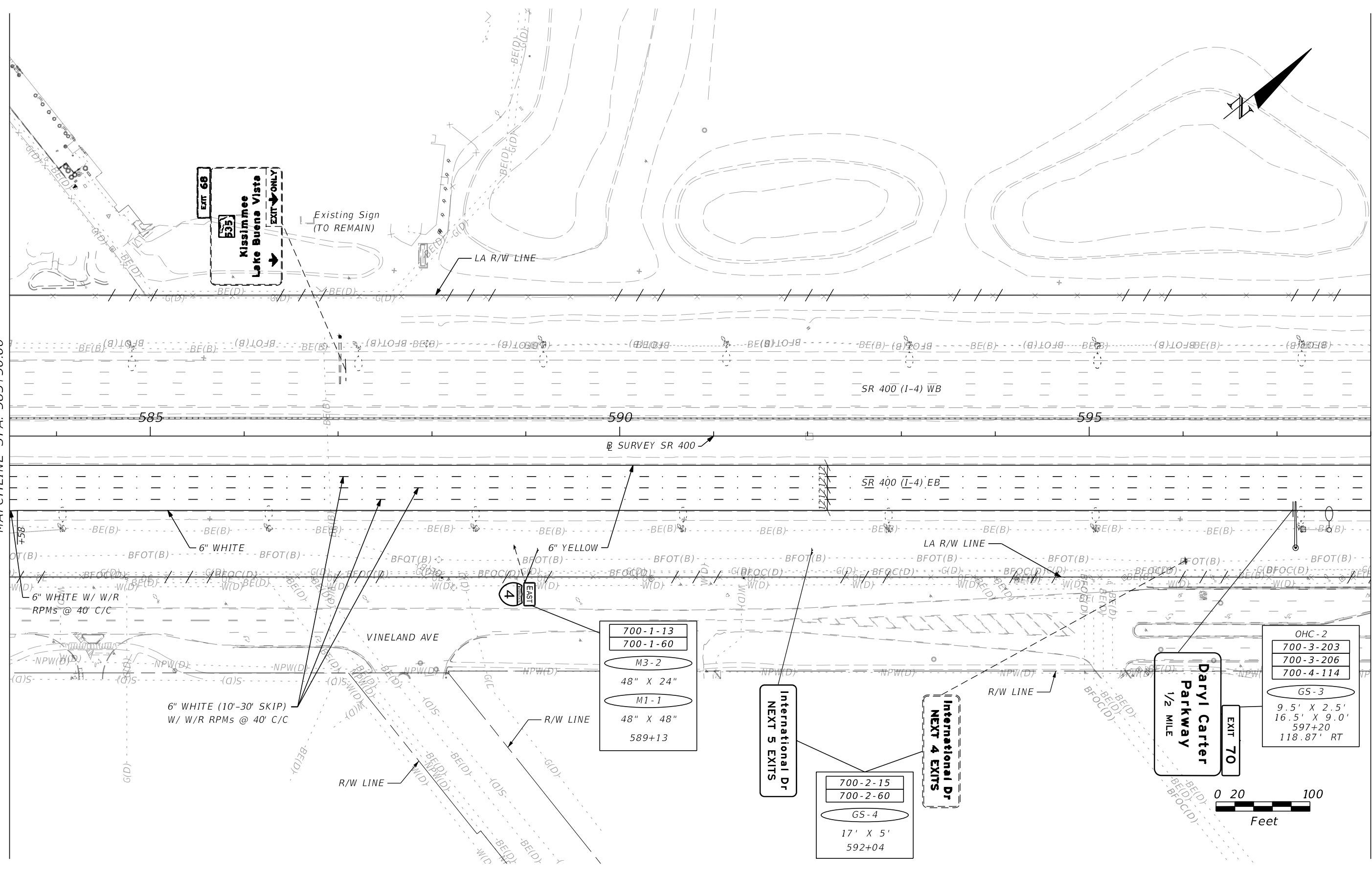
**SIGNING AND PAVEMENT  
MARKING PLAN (3)**

SHEET NO.  
S-10

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

MATCHLINE STA. 583+50.00

MATCHLINE STA. 598+00.00



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

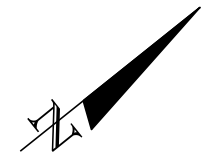
SUSANNE S. WILLIAMS, P.E.  
 P.E. NO.: 49486  
 TRAFFIC ENGINEERING DATA SOLUTIONS, INC.  
 80 SPRING VISTA DRIVE  
 DEBARY, FL 32713

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

**SIGNING AND PAVEMENT  
 MARKING PLAN (4)**

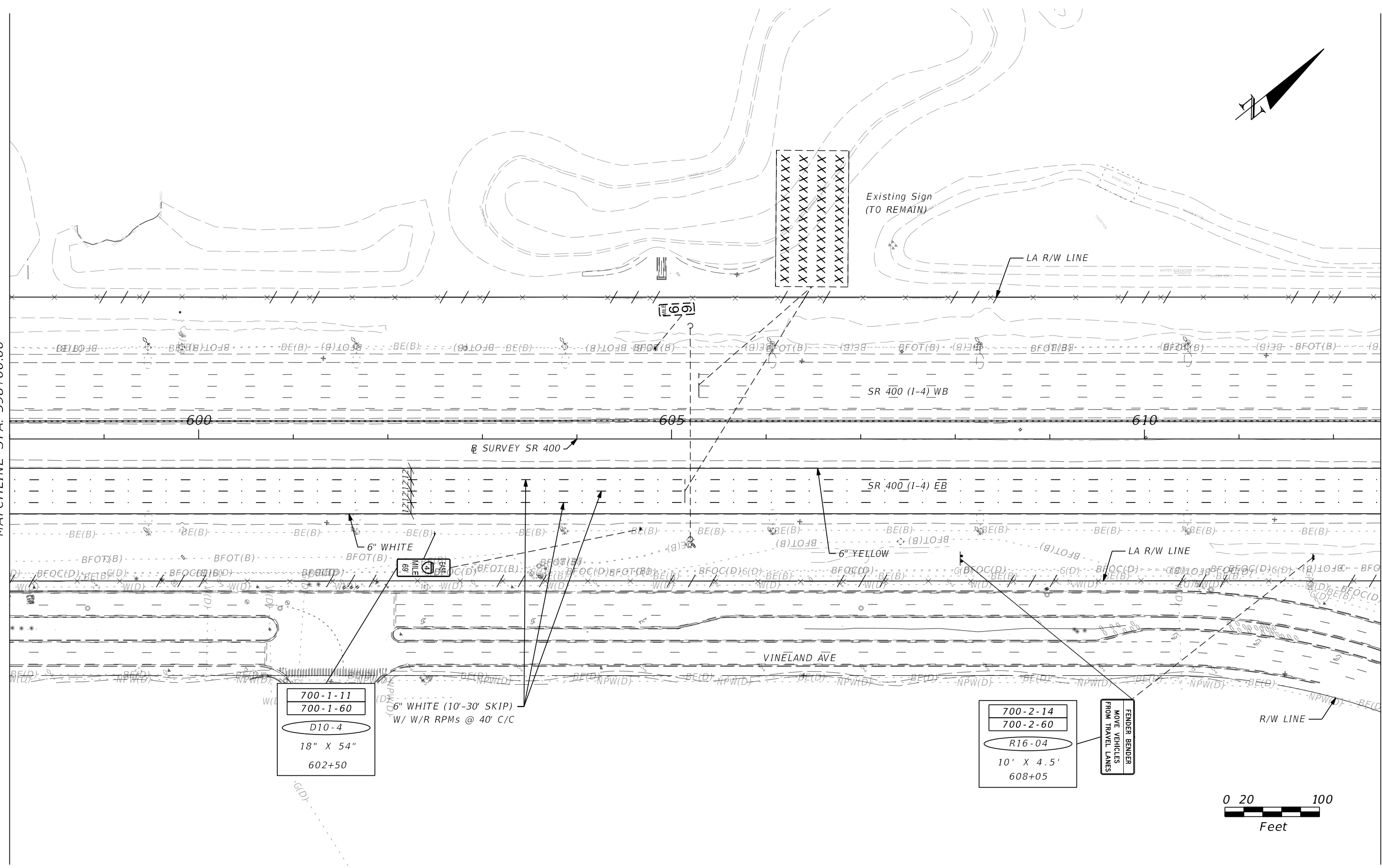
SHEET NO.  
 S-11

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



MATCHLINE STA. 598+00.00

MATCHLINE STA. 612+50.00

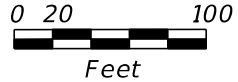


700-1-11  
700-1-60  
D10-4  
18" X 54"  
602+50

6" WHITE (10'-30' SKIP)  
W/ W/R RPMs @ 40' C/C

700-2-14  
700-2-60  
R16-04  
10' X 4.5'  
608+05

FENDER BENDER  
MOVE VEHICLES  
FROM TRAVEL LANES



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

SUSANNE S. WILLIAMS, P.E.  
P.E. NO.: 49486  
TRAFFIC ENGINEERING DATA SOLUTIONS, INC.  
80 SPRING VISTA DRIVE  
DEBARY, FL 32713

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

**SIGNING AND PAVEMENT  
MARKING PLAN (5)**

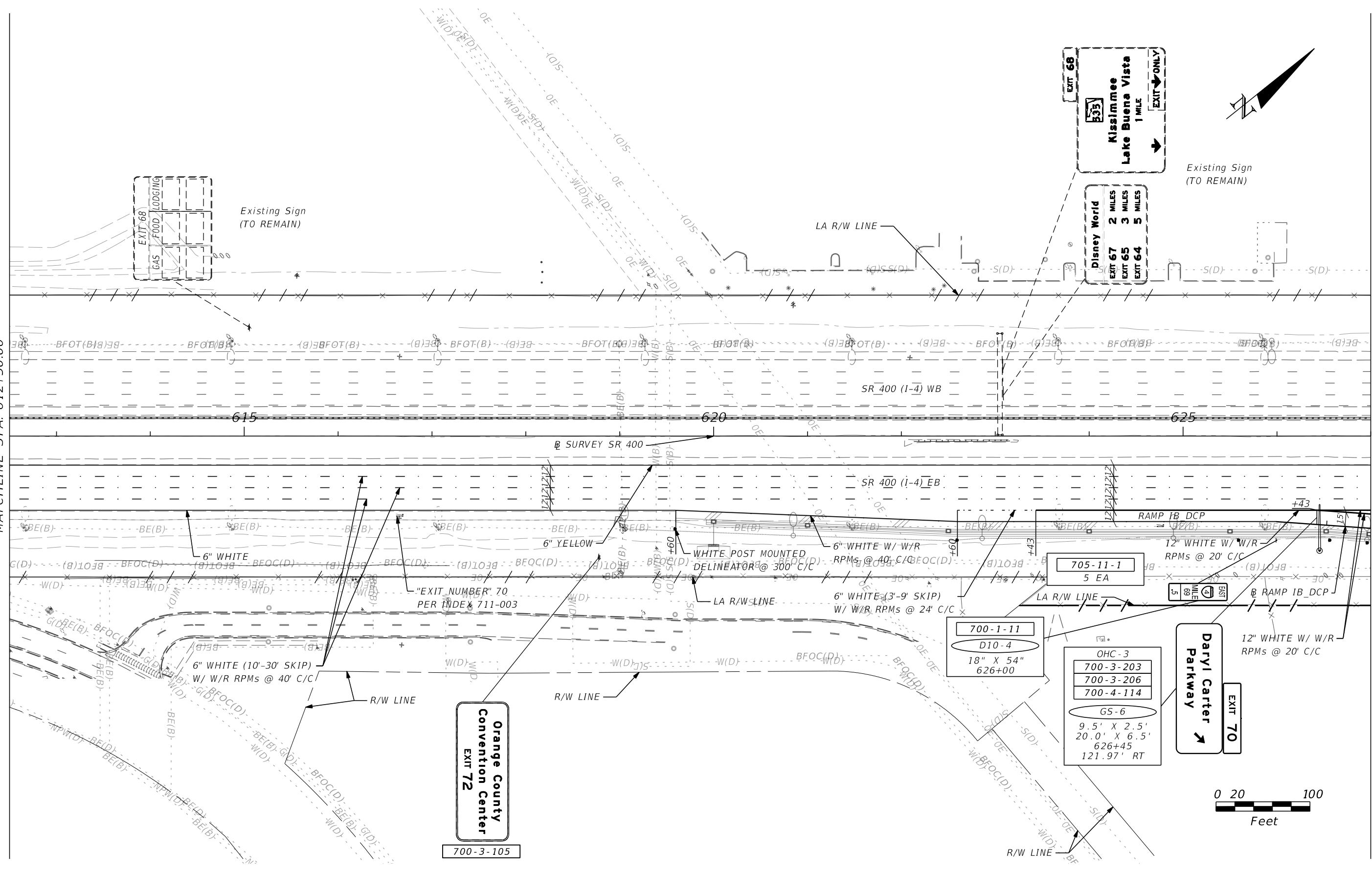
SHEET NO.  
**S-12**

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



MATCHLINE STA. 612+50.00

MATCHLINE STA. 627+00.00



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

SUSANNE S. WILLIAMS, P.E.  
 P.E. NO.: 49486  
 TRAFFIC ENGINEERING DATA SOLUTIONS, INC.  
 80 SPRING VISTA DRIVE  
 DEBARY, FL 32713

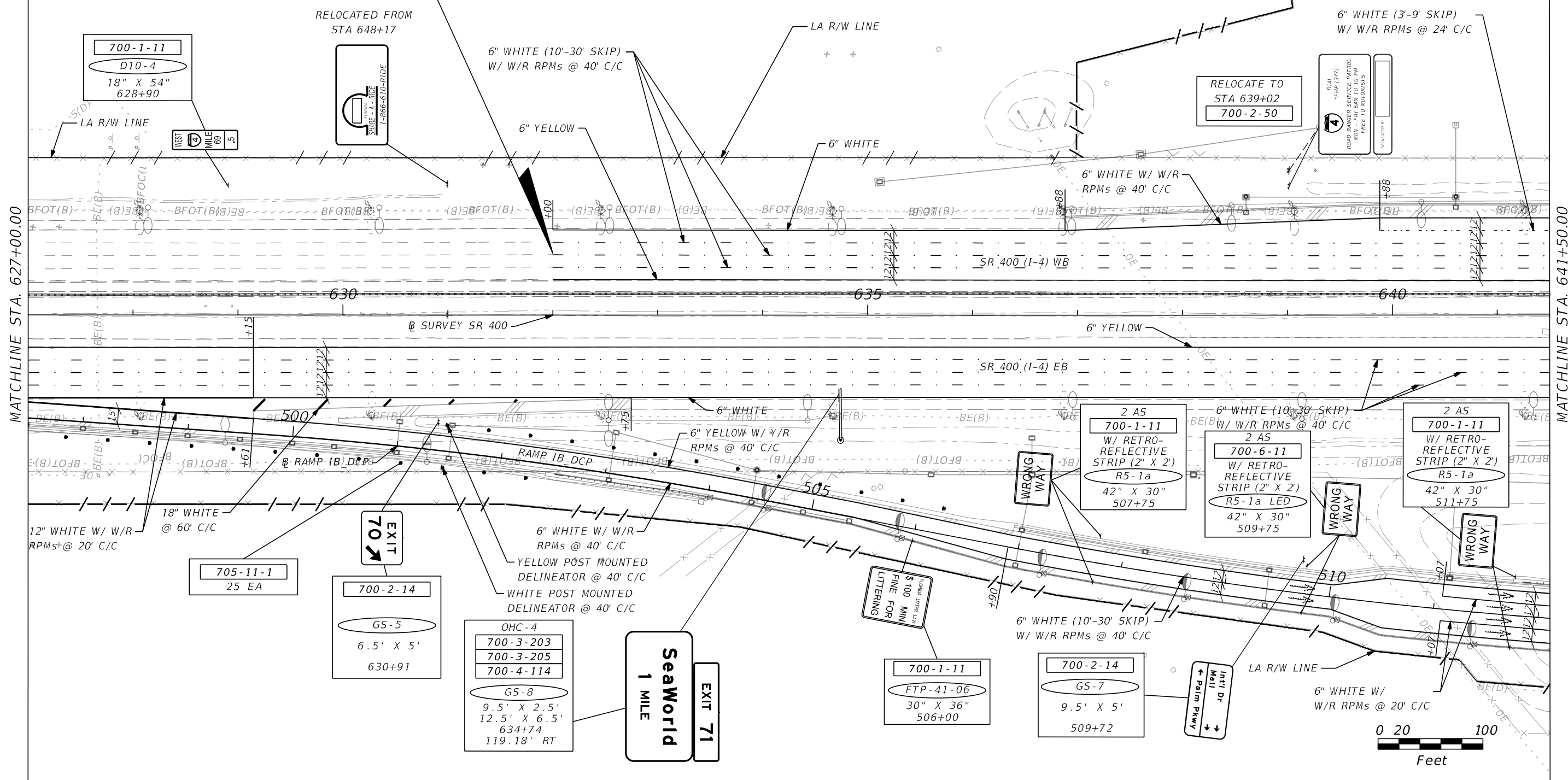
STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

**SIGNING AND PAVEMENT  
MARKING PLAN (6)**

SHEET NO.  
S-13

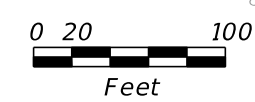
THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

BEGIN SR 400 (I-4) WB  
SIGNING & PAVEMENT MARKINGS  
MATCH EXISTING PAVEMENT MARKINGS  
STA. 632+00.00



MATCHLINE STA. 627+00.00

MATCHLINE STA. 641+50.00



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

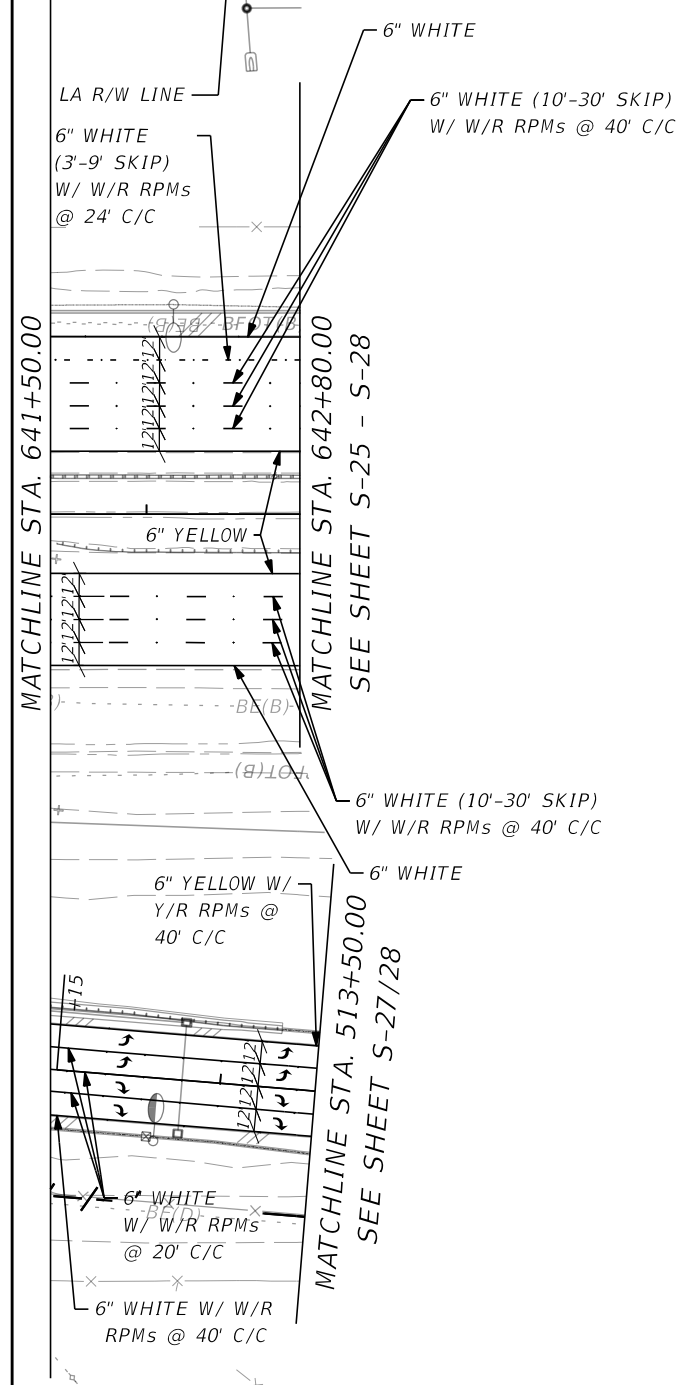
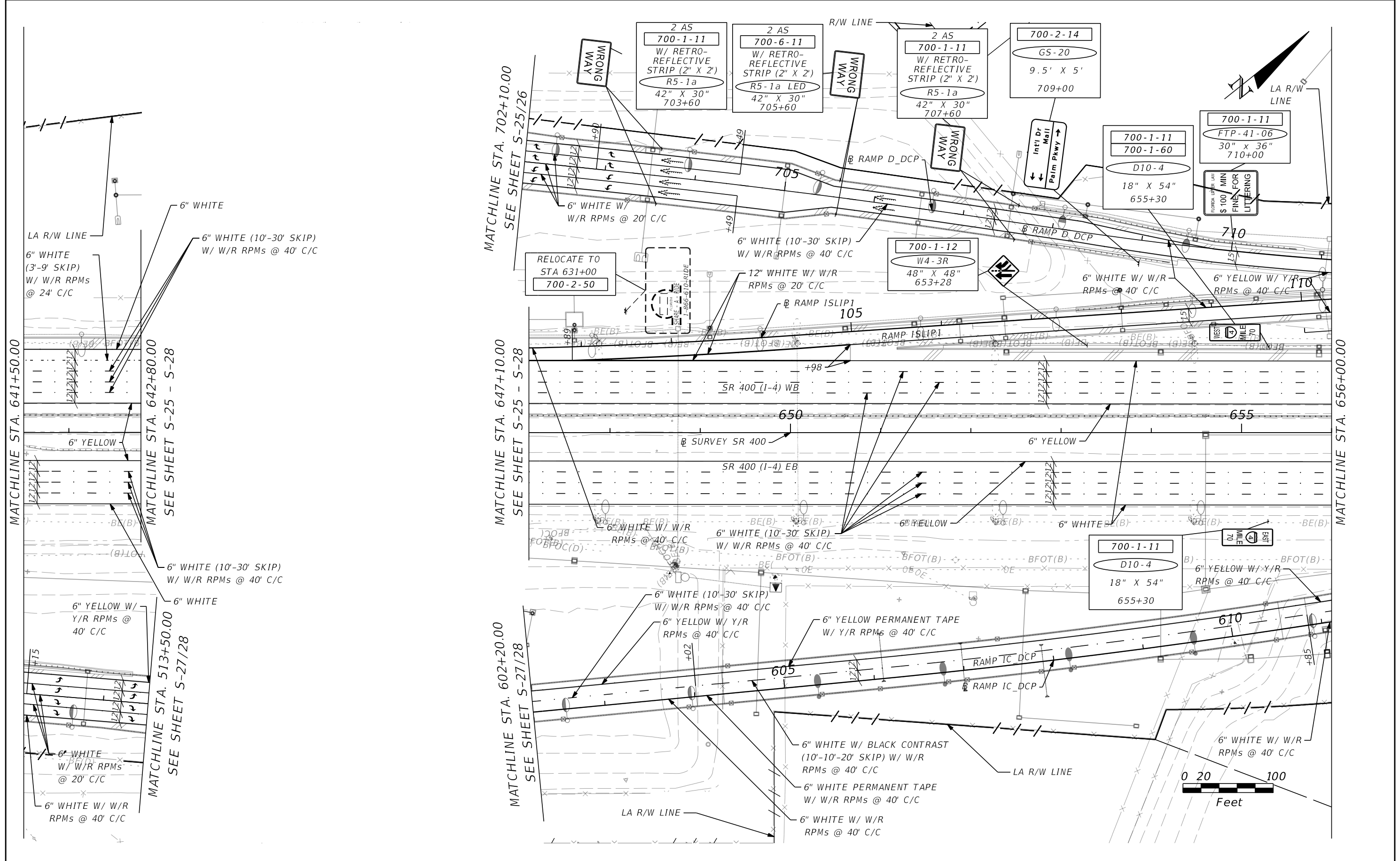
SUSANNE S. WILLIAMS, P.E.  
P.E. NO.: 49486  
TRAFFIC ENGINEERING DATA SOLUTIONS, INC.  
80 SPRING VISTA DRIVE  
DEBARY, FL 32713

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

**SIGNING AND PAVEMENT  
MARKING PLAN (7)**

SHEET  
NO.  
**S-14**

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. WILLIAMS, P.E.  
P.E. NO.: 49486  
TRAFFIC ENGINEERING DATA SOLUTIONS, INC.  
80 SPRING VISTA DRIVE  
DEBARY, FL 32713

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

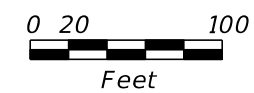
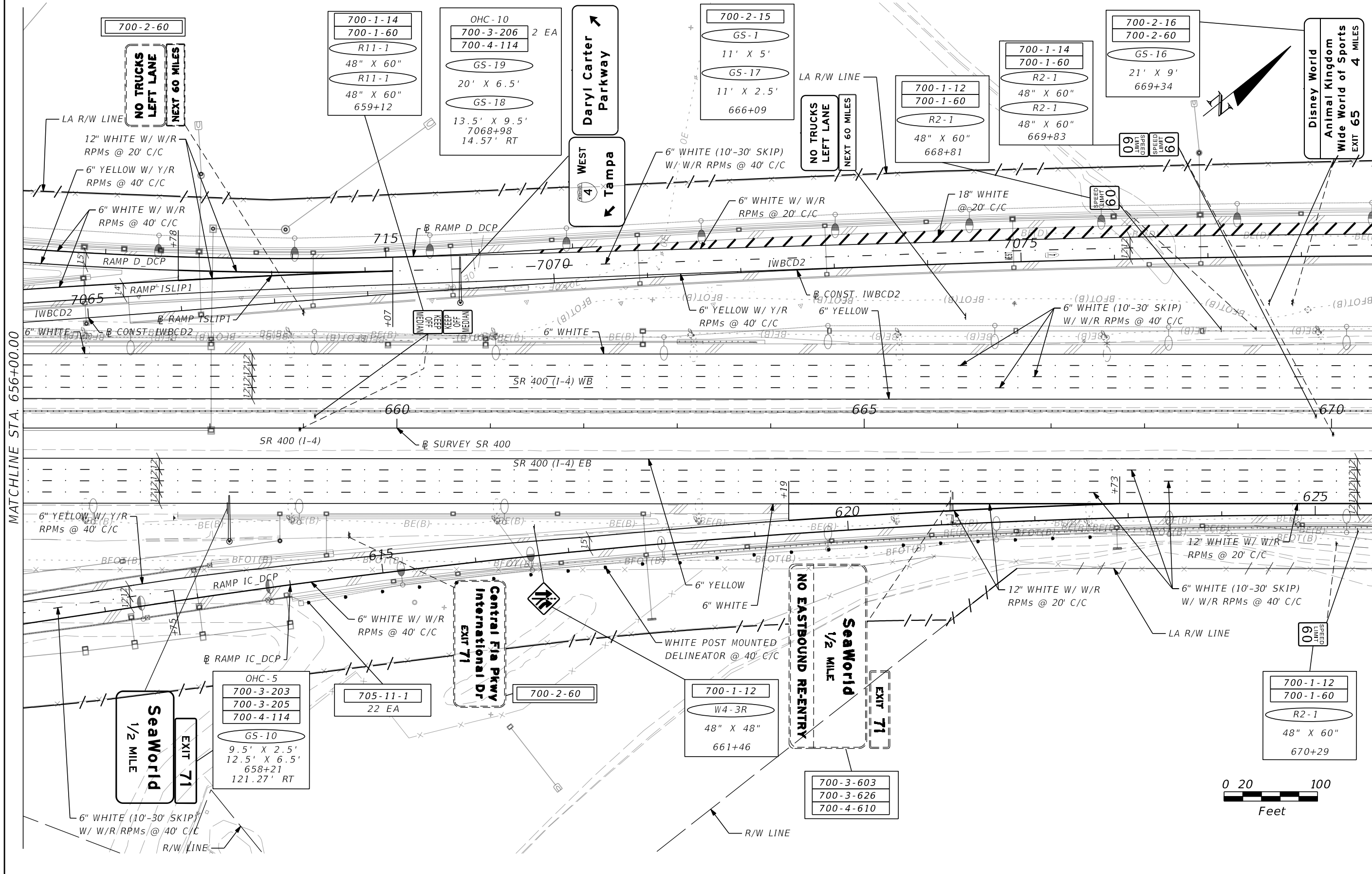
**SIGNING AND PAVEMENT  
MARKING PLAN (8)**

SHEET NO.  
**S-15**

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

MATCHLINE STA. 656+00.00

MATCHLINE STA. 670+50.00



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

SUSANNE S. WILLIAMS, P.E.  
 P.E. NO.: 49486  
 TRAFFIC ENGINEERING DATA SOLUTIONS, INC.  
 80 SPRING VISTA DRIVE  
 DEBARY, FL 32713

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

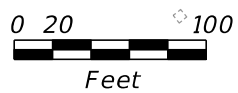
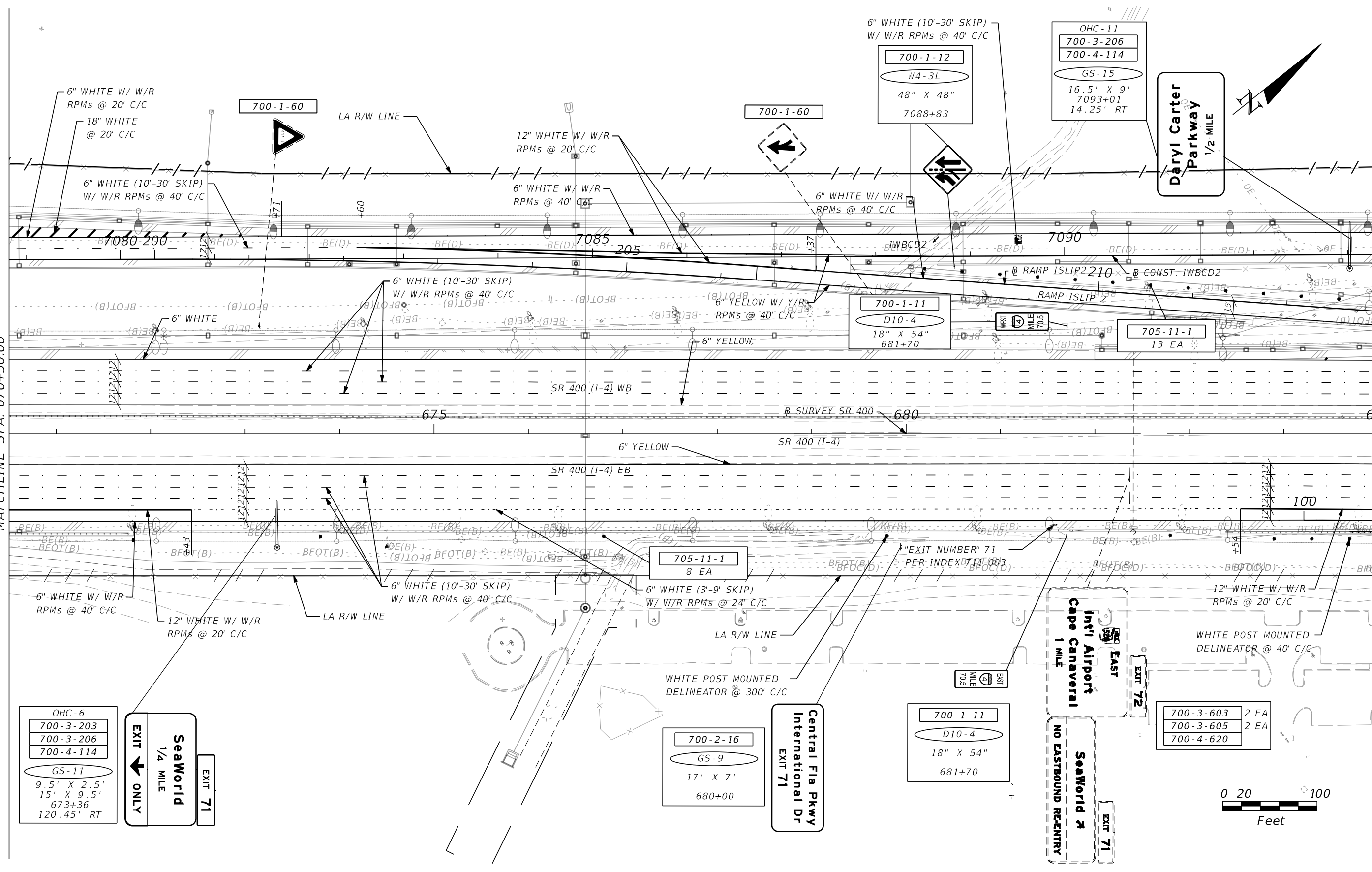
**SIGNING AND PAVEMENT  
MARKING PLAN (9)**

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.

MATCHLINE STA. 670+50.00

MATCHLINE STA. 685+00.00



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

SUSANNE S. WILLIAMS, P.E.  
 P.E. NO.: 49486  
 TRAFFIC ENGINEERING DATA SOLUTIONS, INC.  
 80 SPRING VISTA DRIVE  
 DEBARY, FL 32713

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

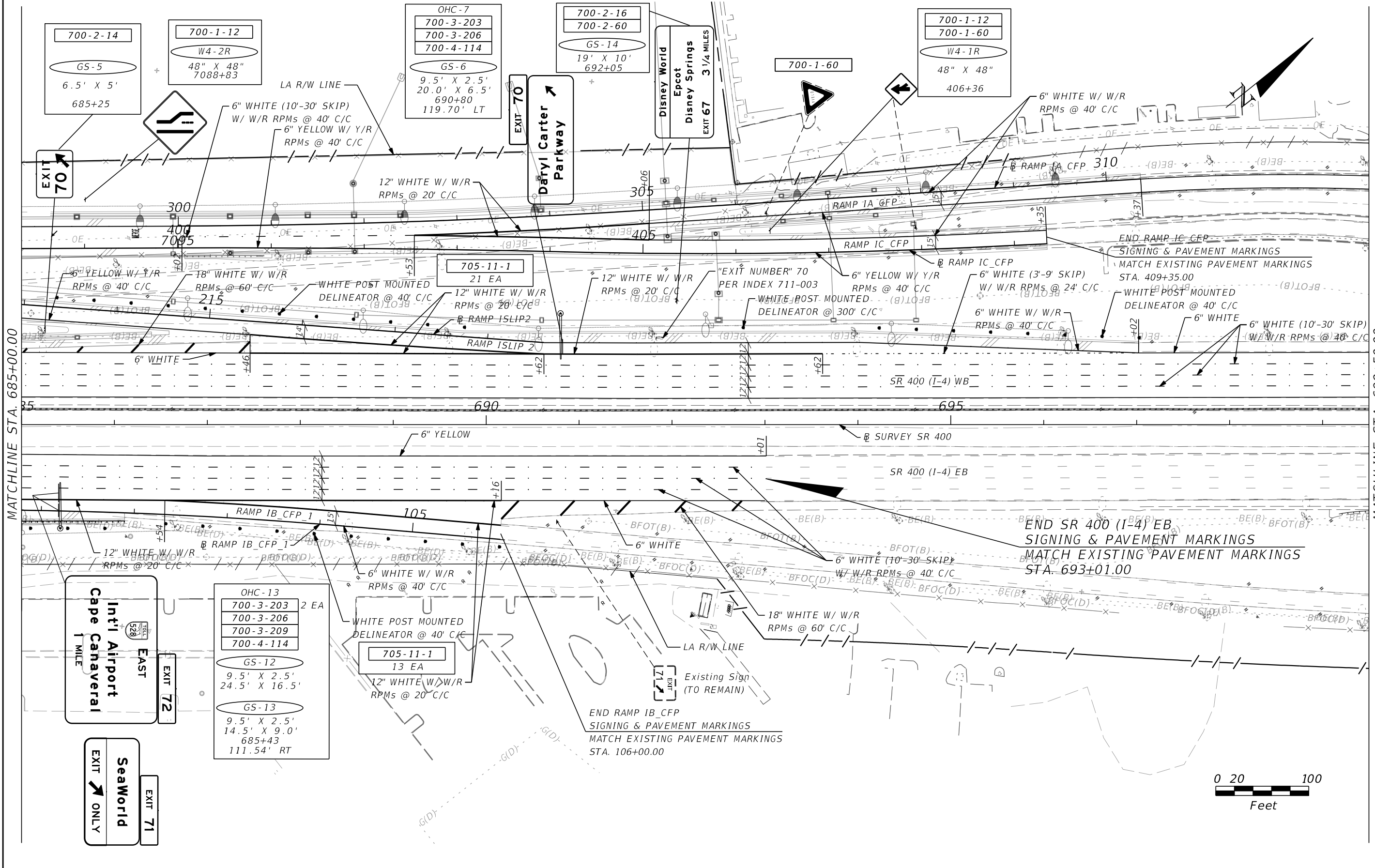
**SIGNING AND PAVEMENT  
MARKING PLAN (10)**

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.

MATCHLINE STA. 685+00.00

MATCHLINE STA. 699+50.00



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

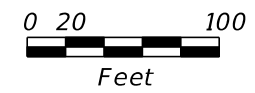
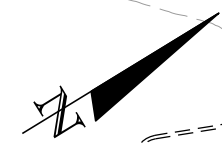
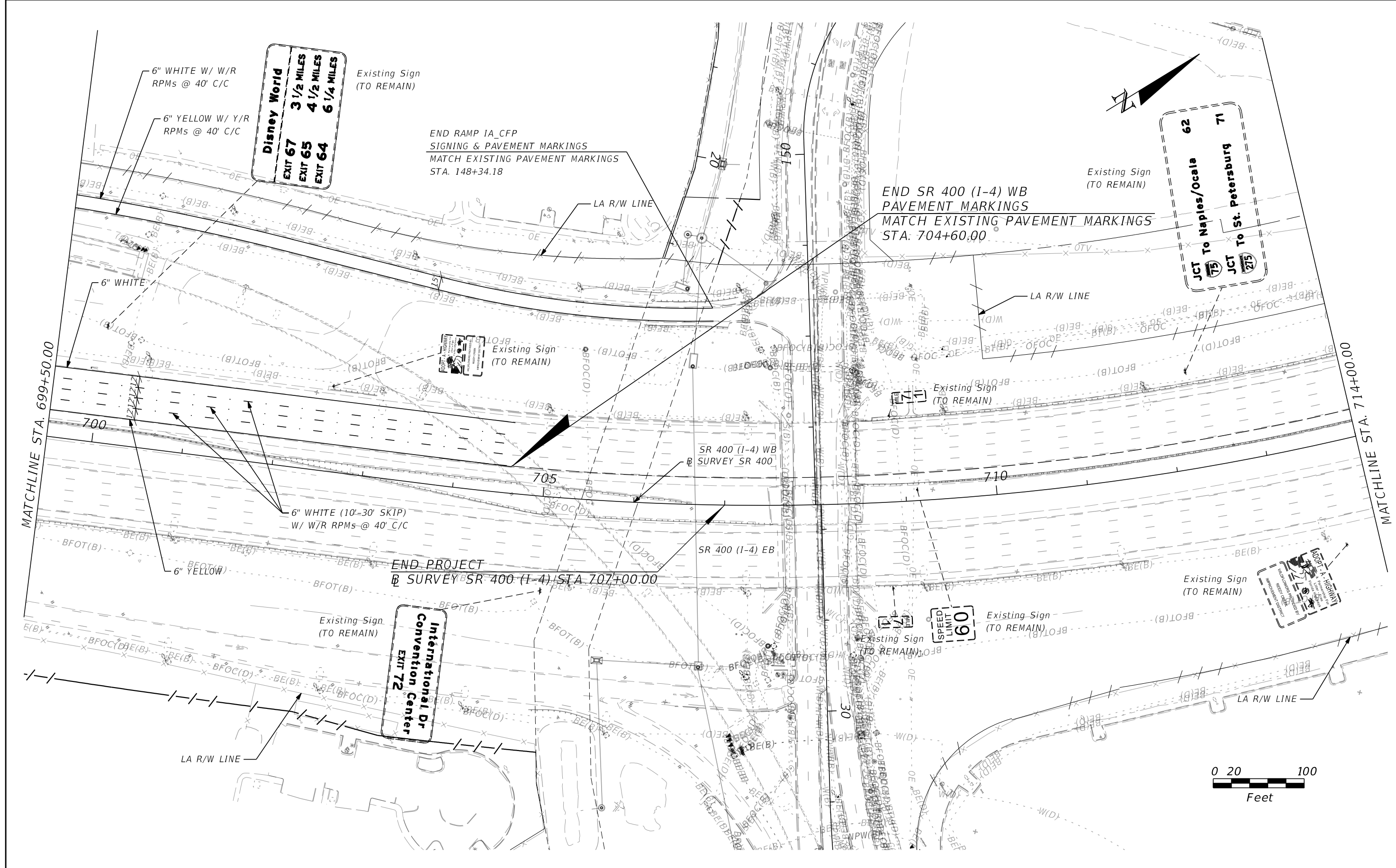
SUSANNE S. WILLIAMS, P.E.  
 P.E. NO.: 49486  
 TRAFFIC ENGINEERING DATA SOLUTIONS, INC.  
 80 SPRING VISTA DRIVE  
 DEBARY, FL 32713

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

**SIGNING AND PAVEMENT  
MARKING PLAN (11)**

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.



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

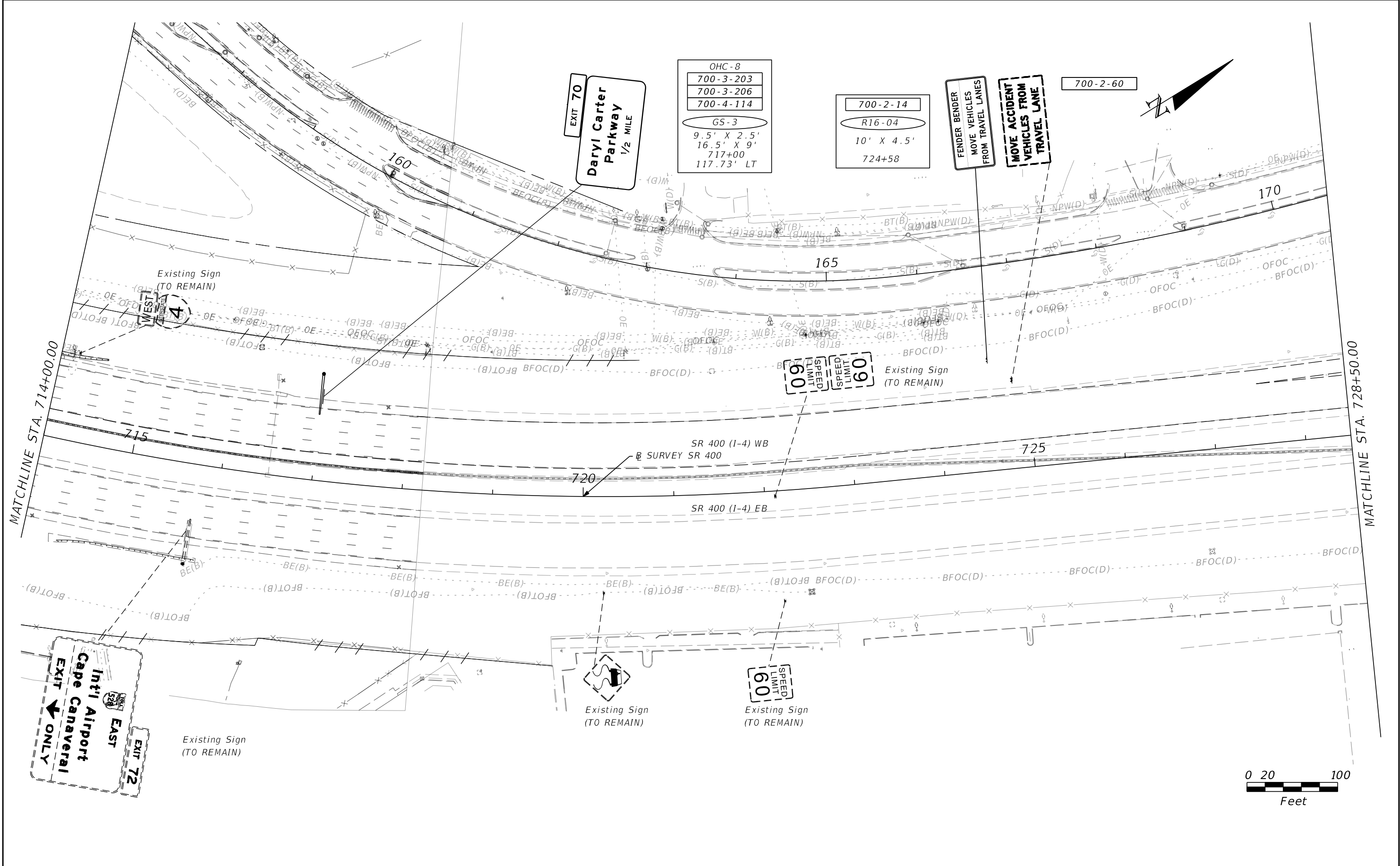
SUSANNE S. WILLIAMS, P.E.  
P.E. NO.: 49486  
TRAFFIC ENGINEERING DATA SOLUTIONS, INC.  
80 SPRING VISTA DRIVE  
DEBARY, FL 32713

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

**SIGNING AND PAVEMENT  
MARKING PLAN (12)**

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.



OHC-8  
 700-3-203  
 700-3-206  
 700-4-114  
 GS-3  
 9.5' X 2.5'  
 16.5' X 9'  
 717+00  
 117.73' LT

700-2-14  
 R16-04  
 10' X 4.5'  
 724+58

700-2-60

EXIT 70  
 Daryl Carter  
 Parkway  
 1/2 MILE

FENDER BENDER  
 MOVE VEHICLES  
 FROM TRAVEL LANES

MOVE ACCIDENT  
 VEHICLES FROM  
 TRAVEL LANE

60  
 SPEED  
 LIMIT

Existing Sign  
 (TO REMAIN)

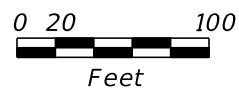
60  
 SPEED  
 LIMIT

Existing Sign  
 (TO REMAIN)

Existing Sign  
 (TO REMAIN)

Existing Sign  
 (TO REMAIN)

EXIT 72  
 EAST  
 Int'l Airport  
 Cape Canaveral  
 EXIT ONLY



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

SUSANNE S. WILLIAMS, P.E.  
 P.E. NO.: 49486  
 TRAFFIC ENGINEERING DATA SOLUTIONS, INC.  
 80 SPRING VISTA DRIVE  
 DEBARY, FL 32713

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

**SIGNING AND PAVEMENT  
 MARKING PLAN (13)**

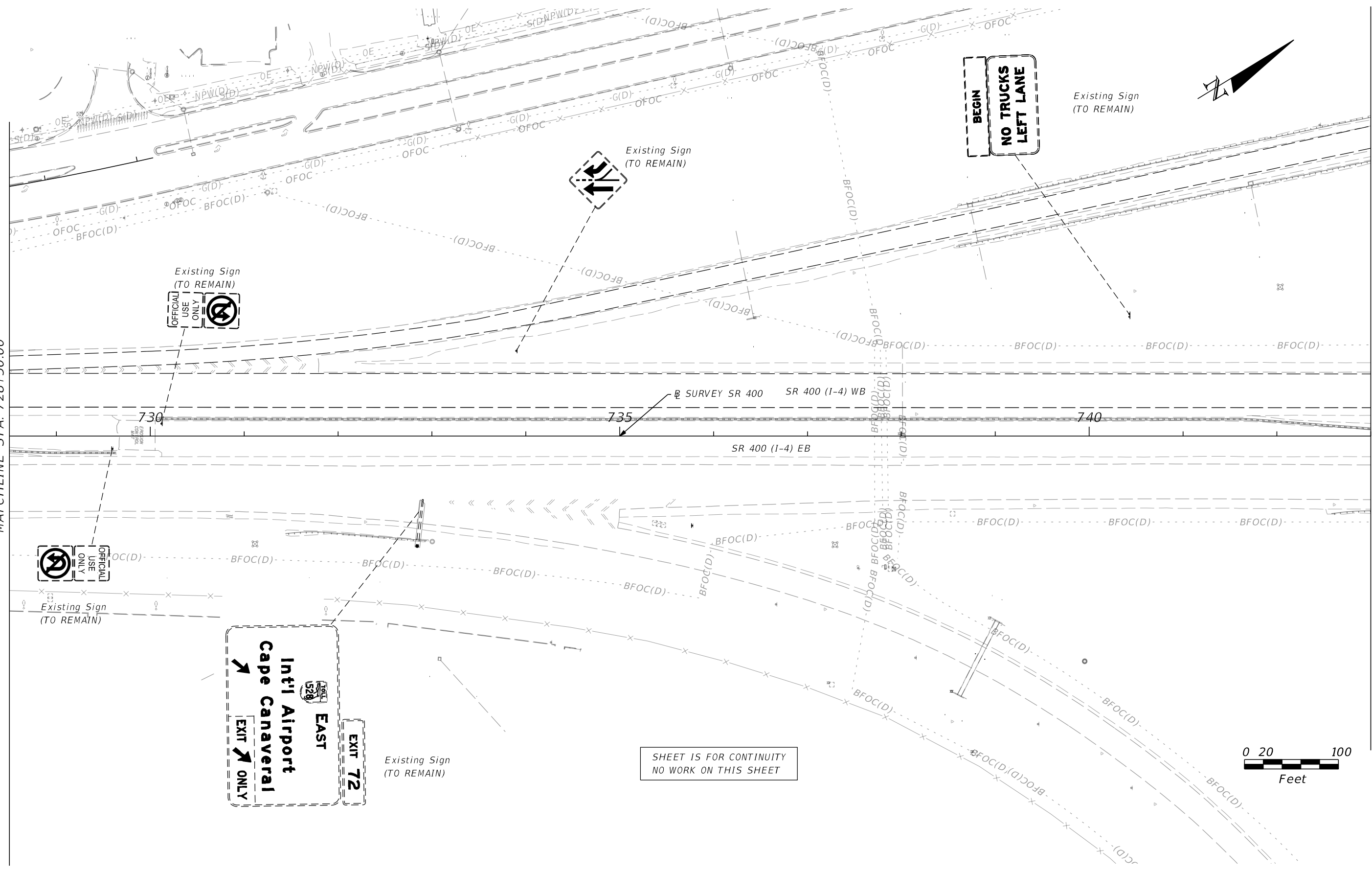
SHEET  
 NO.  
 S-20

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

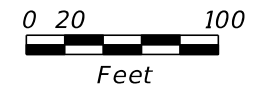


MATCHLINE STA. 728+50.00

MATCHLINE STA. 743+00.00



SHEET IS FOR CONTINUITY  
NO WORK ON THIS SHEET



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

SUSANNE S. WILLIAMS, P.E.  
P.E. NO.: 49486  
TRAFFIC ENGINEERING DATA SOLUTIONS, INC.  
80 SPRING VISTA DRIVE  
DEBARY, FL 32713

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

**SIGNING AND PAVEMENT  
MARKING PLAN (14)**

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.

MATCHLINE STA. 743+00.00

EXIT 70  
**Daryl Carter Parkway**  
 1 MILE

OHC-9
700-3-203
700-3-206
700-4-114
GS-2
9.5' X 2.5'
16.5' X 9'
743+40
105.49' LT

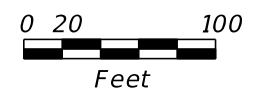
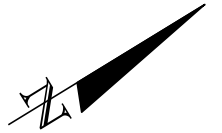
END SIGNING  
 STA. 743+40.00

SR SURVEY SR 400

SR 400 (I-4) WB

SR 400 (I-4) EB

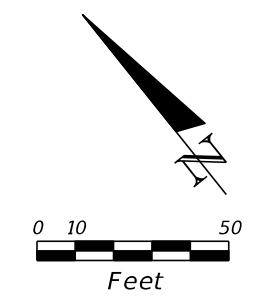
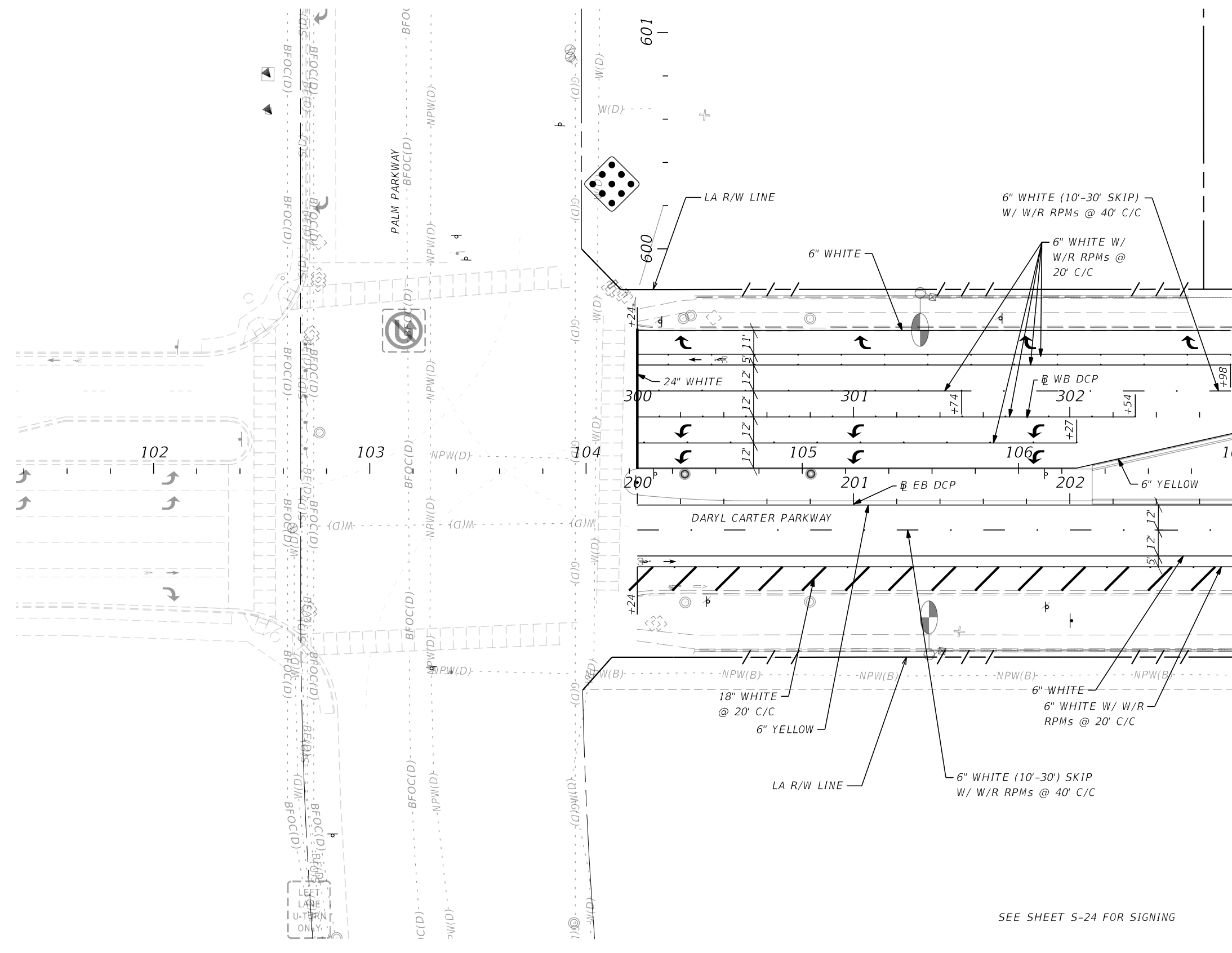
744 745 746 747 748 749 750 751 752 753 754 755 756 757



REVISIONS				STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			SIGNING AND PAVEMENT MARKING PLAN (15)	SHEET NO.  S-22
DATE	DESCRIPTION	DATE	DESCRIPTION	ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
				SR 400	ORANGE	441113-1-52-01		

SUSANNE S. WILLIAMS, P.E.  
 P.E. NO.: 49486  
 TRAFFIC ENGINEERING DATA SOLUTIONS, INC.  
 80 SPRING VISTA DRIVE  
 DEBARY, FL 32713

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



MATCHLINE STA. 107+00.00

SEE SHEET S-24 FOR SIGNING

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

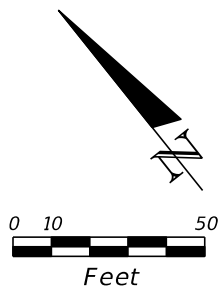
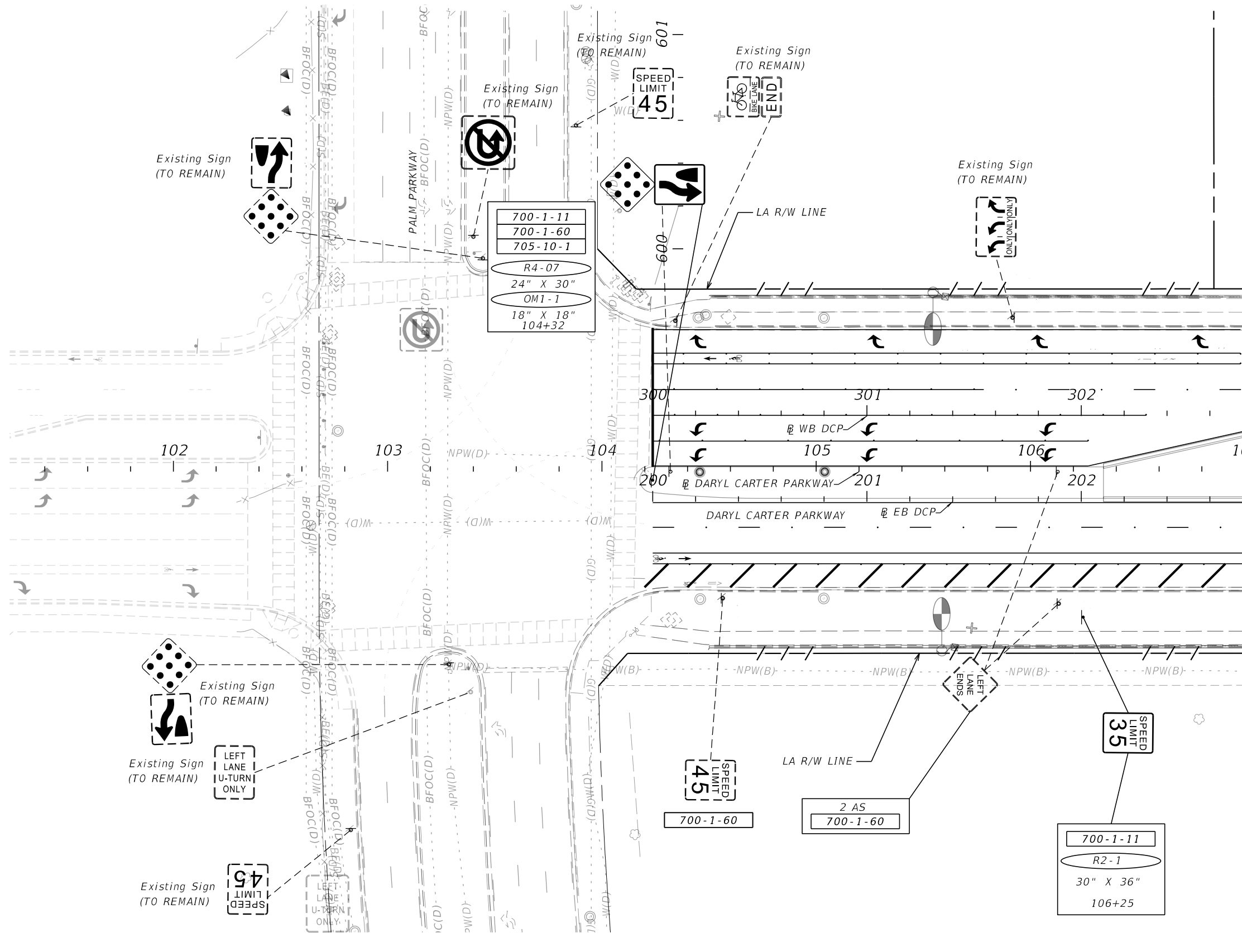
SUSANNE S. WILLIAMS, P.E.  
P.E. NO.: 49486  
TRAFFIC ENGINEERING DATA SOLUTIONS, INC.  
80 SPRING VISTA DRIVE  
DEBARY, FL 32713

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

**PAVEMENT MARKING**  
**PLAN (16)**

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.



MATCHLINE STA. 107+00.00

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

SUSANNE S. WILLIAMS, P.E.  
 P.E. NO.: 49486  
 TRAFFIC ENGINEERING DATA SOLUTIONS, INC.  
 80 SPRING VISTA DRIVE  
 DEBARY, FL 32713

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

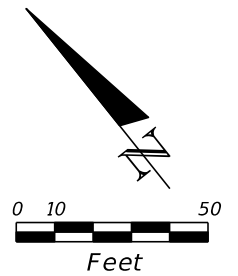
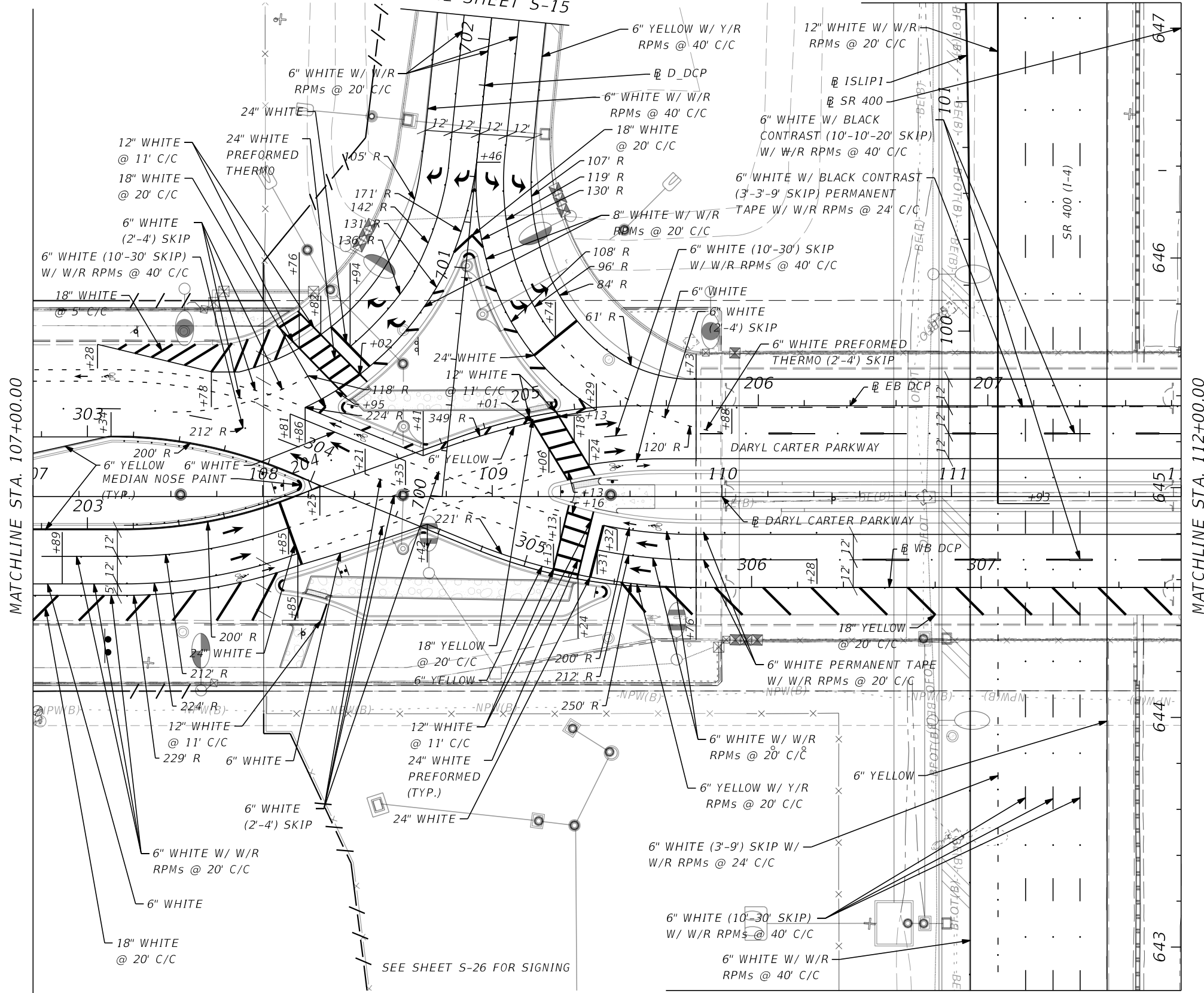
**SIGNING PLAN (16A)**

SHEET NO.  
S-24

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

MATCHLINE STA. 702+10.00  
SEE SHEET S-15

MATCHLINE STA. 647+10.00  
SEE SHEET S-15



MATCHLINE STA. 107+00.00

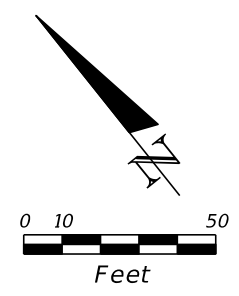
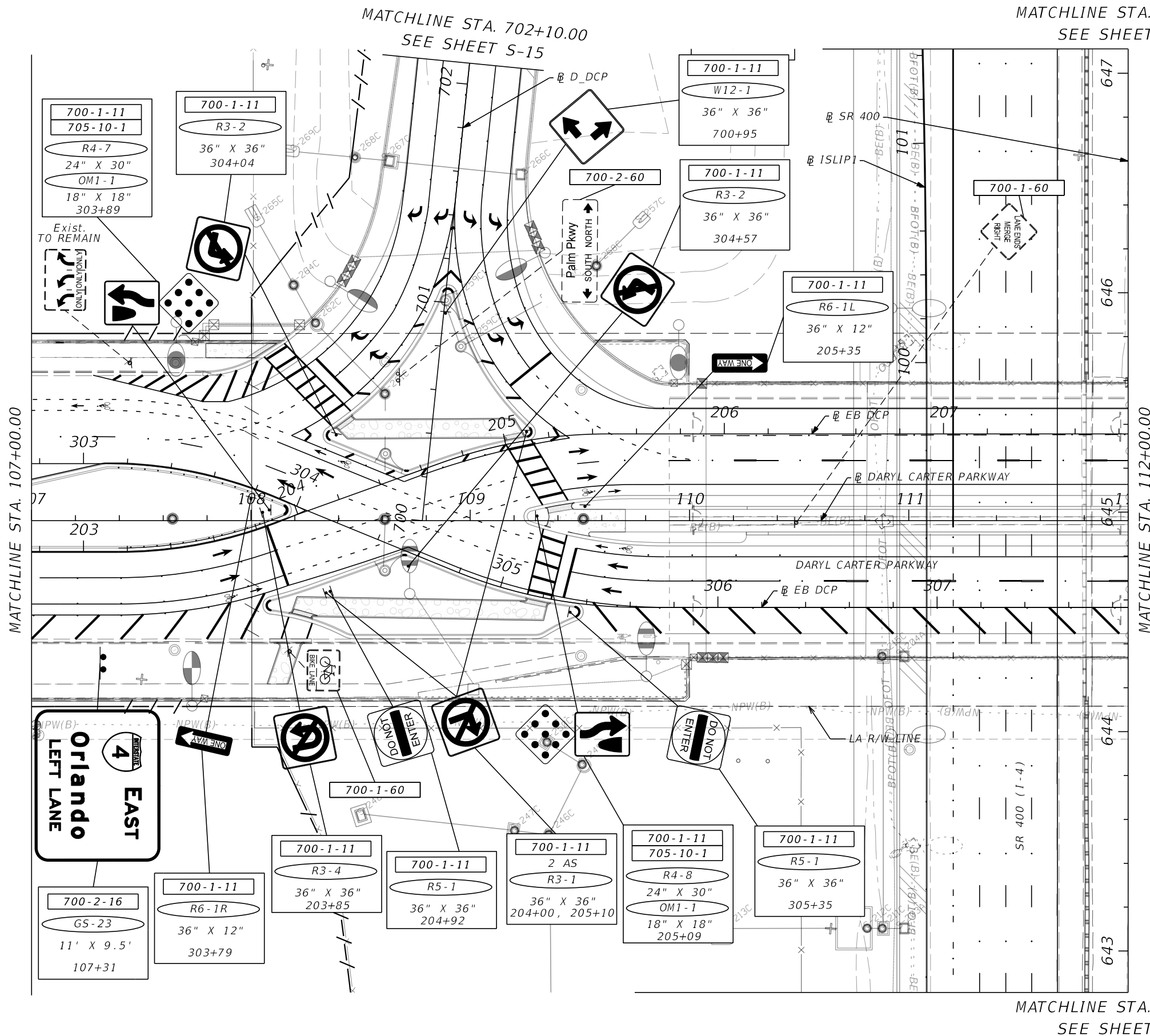
MATCHLINE STA. 112+00.00

MATCHLINE STA. 642+80.00  
SEE SHEET S-15

SEE SHEET S-26 FOR SIGNING

REVISIONS				SUSANNE S. WILLIAMS, P.E. P.E. NO.: 49486 TRAFFIC ENGINEERING DATA SOLUTIONS, INC. 80 SPRING VISTA DRIVE DEBARY, FL 32713	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			PAVEMENT MARKING PLAN (17)	SHEET NO.  S-25
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					SR 400	ORANGE	441113-1-52-01		

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



MATCHLINE STA. 107+00.00

MATCHLINE STA. 702+10.00  
SEE SHEET S-15

MATCHLINE STA. 647+10.00  
SEE SHEET S-15

MATCHLINE STA. 112+00.00

MATCHLINE STA. 642+80.00  
SEE SHEET S-15

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

SUSANNE S. WILLIAMS, P.E.  
P.E. NO.: 49486  
TRAFFIC ENGINEERING DATA SOLUTIONS, INC.  
80 SPRING VISTA DRIVE  
DEBARY, FL 32713

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

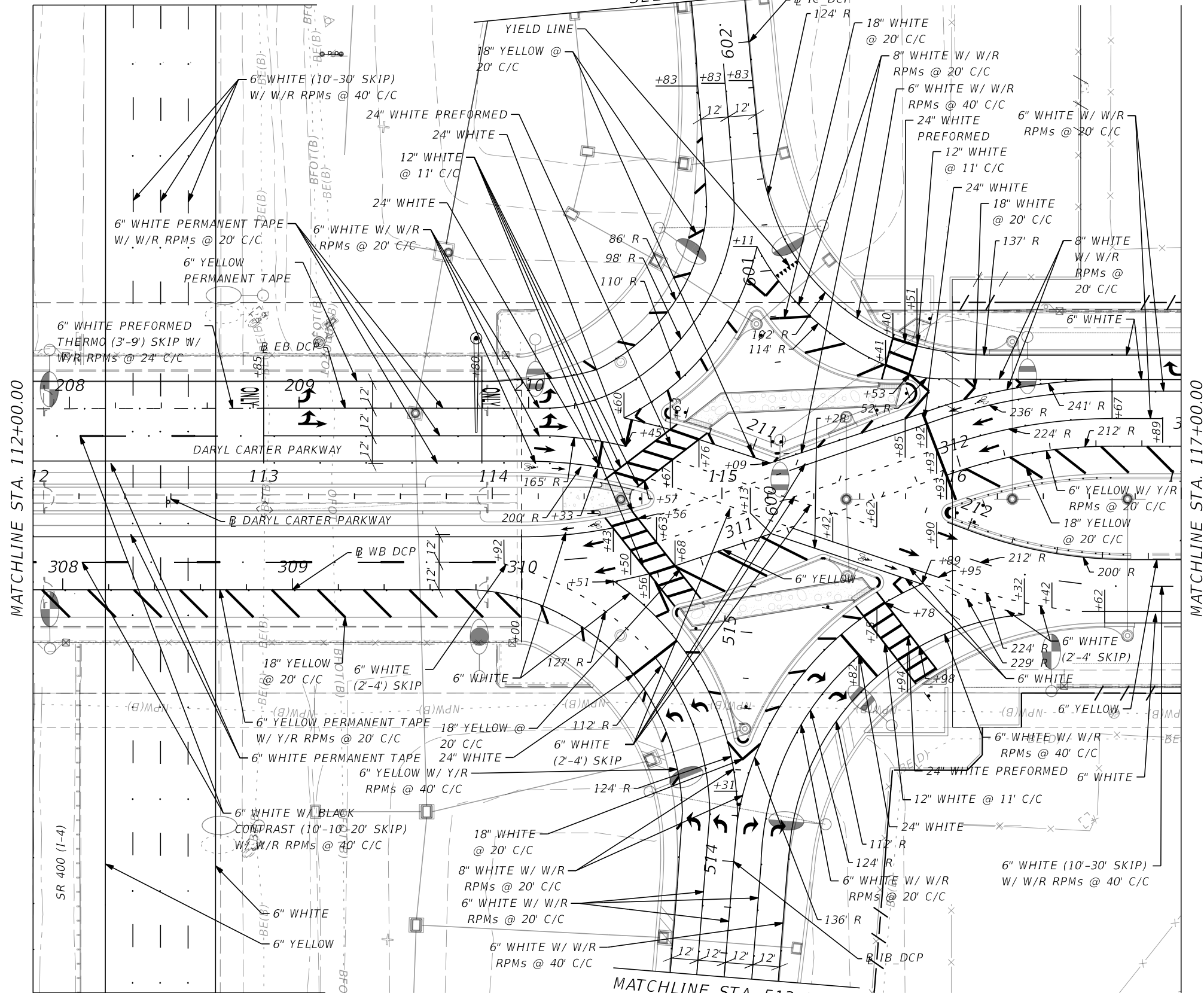
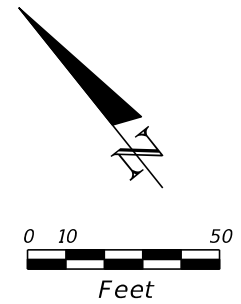
**SIGNING PLAN (17A)**

SHEET NO.  
S-26

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

MATCHLINE STA. 647+10.00  
SEE SHEET S-15

MATCHLINE STA. 602+20.00  
SEE SHEET S-15



MATCHLINE STA. 642+80.00  
SEE SHEET S-15

SEE SHEET S-28 FOR SIGNING

MATCHLINE STA. 513+50.00  
SEE SHEET S-15

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

SUSANNE S. WILLIAMS, P.E.  
P.E. NO.: 49486  
TRAFFIC ENGINEERING DATA SOLUTIONS, INC.  
80 SPRING VISTA DRIVE  
DEBARY, FL 32713

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

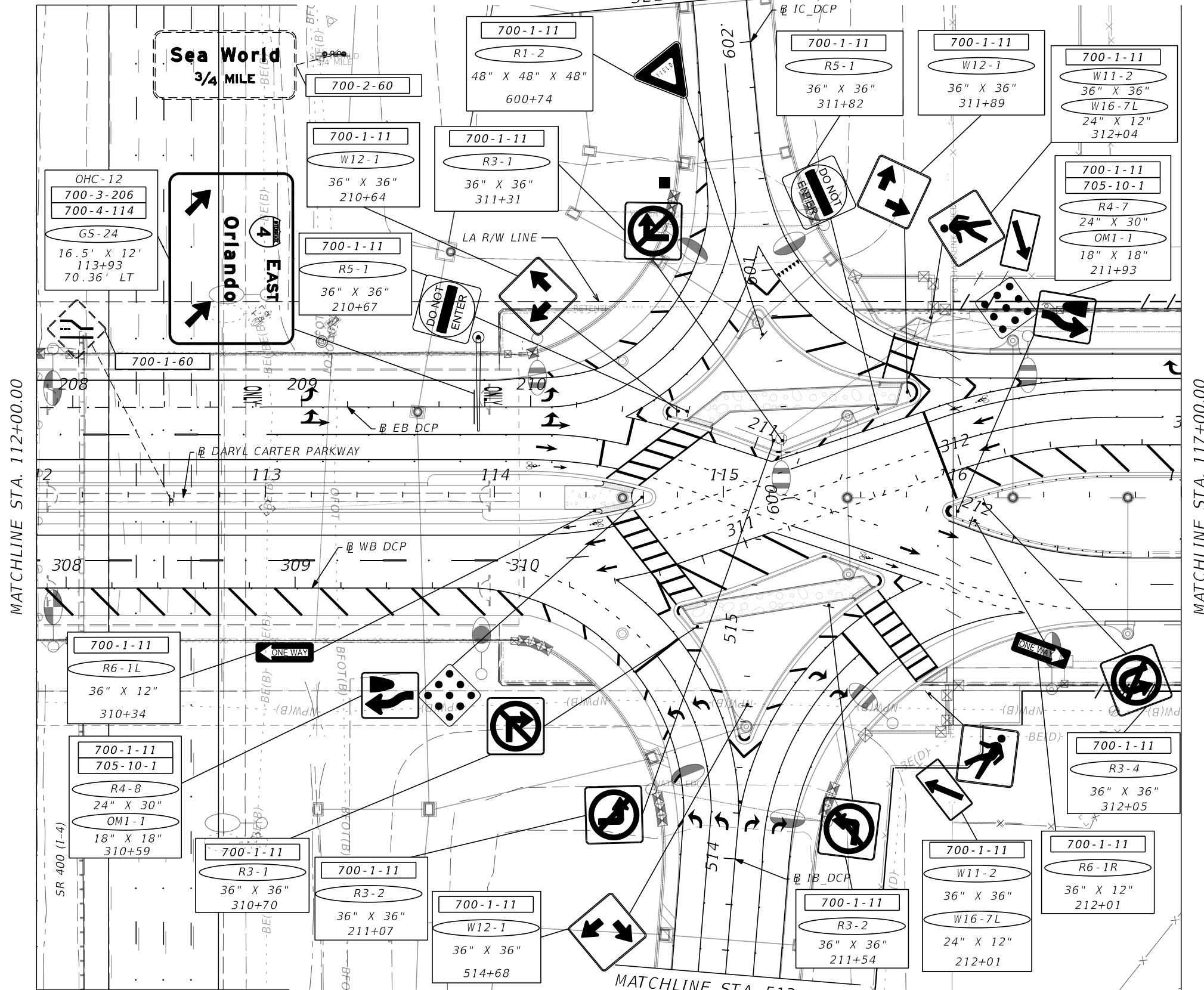
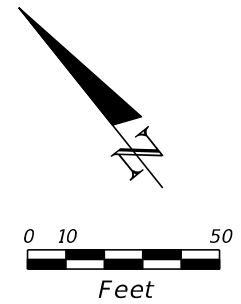
**PAVEMENT MARKING  
PLAN (18)**

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.

MATCHLINE STA. 647+10.00  
SEE SHEET S-15

MATCHLINE STA. 602+20.00  
SEE SHEET S-15



MATCHLINE STA. 642+80.00  
SEE SHEET S-15

MATCHLINE STA. 513+50.00  
SEE SHEET S-15

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

SUSANNE S. WILLIAMS, P.E.  
P.E. NO.: 49486  
TRAFFIC ENGINEERING DATA SOLUTIONS, INC.  
80 SPRING VISTA DRIVE  
DEBARY, FL 32713

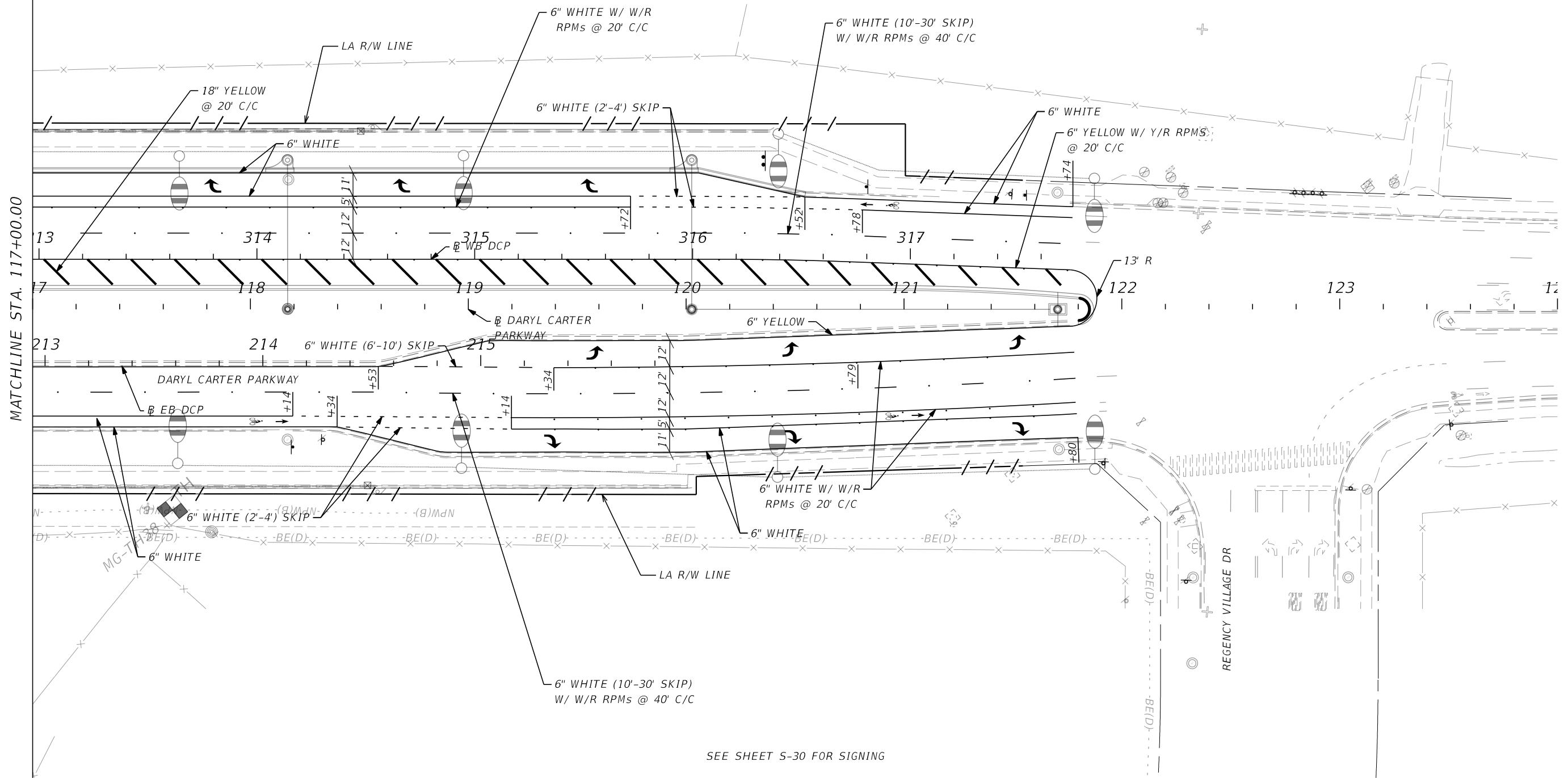
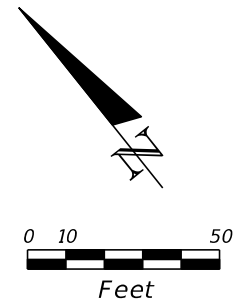
STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

**SIGNING PLAN (18A)**

SHEET NO.  
S-28

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



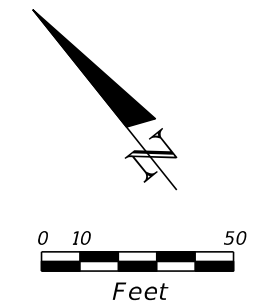


MATCHLINE STA. 117+00.00

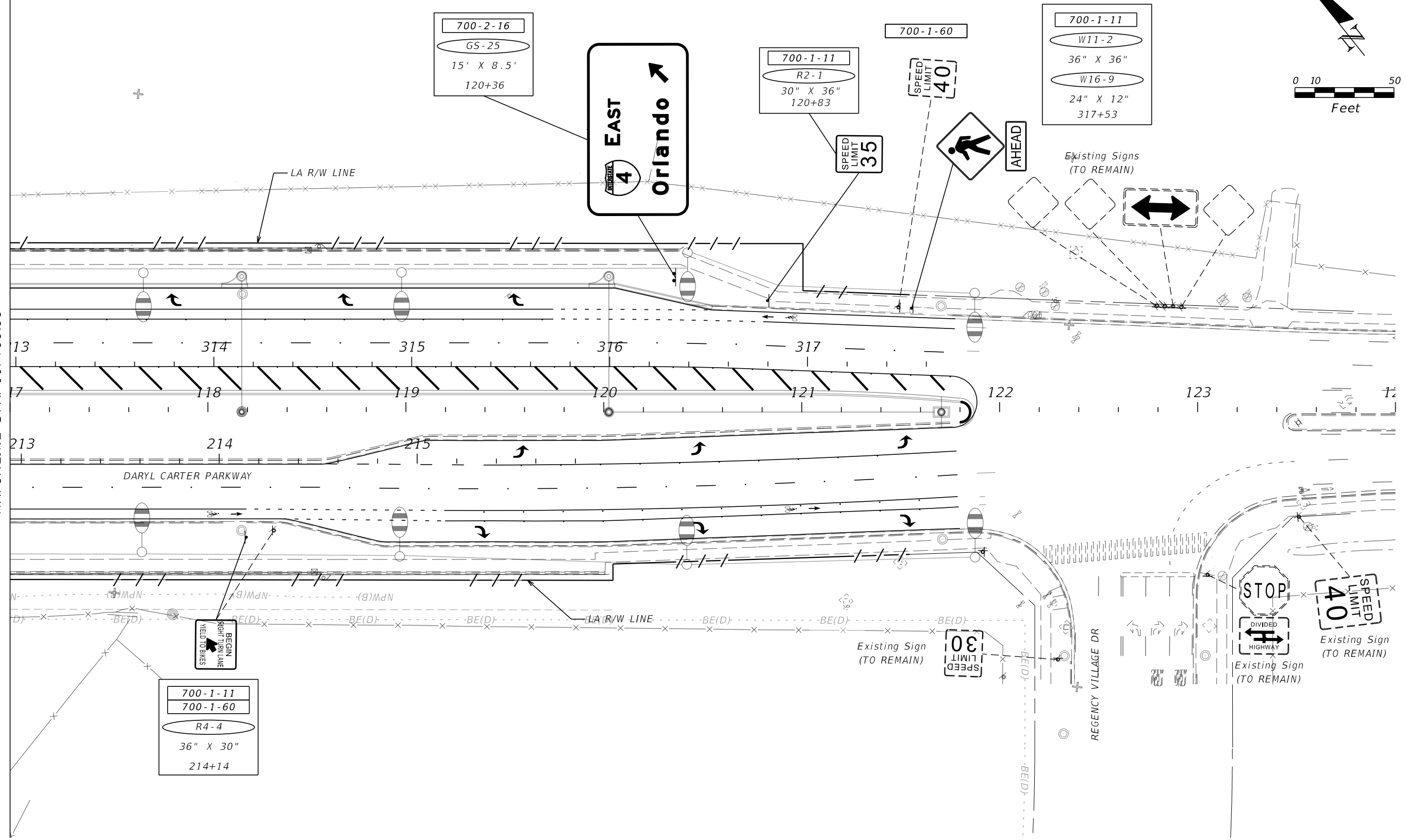
SEE SHEET S-30 FOR SIGNING

REVISIONS				SUSANNE S. WILLIAMS, P.E. P.E. NO.: 49486 TRAFFIC ENGINEERING DATA SOLUTIONS, INC. 80 SPRING VISTA DRIVE DEBARY, FL 32713	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			PAVEMENT MARKING PLAN (19)	SHEET NO.  S-29
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					SR 400	ORANGE	441113-1-52-01		

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



MATCHLINE STA. 117+00.00



700-2-16  
GS-25  
15' X 8.5'  
120+36

700-1-11  
R2-1  
30" X 36"  
120+83

700-1-60

700-1-11  
W11-2  
36" X 36"  
W16-9  
24" X 12"  
317+53

700-1-11  
700-1-60  
R4-4  
36" X 30"  
214+14

BEGIN  
RIGHT-TRAVEL  
LANE  
YIELD TO BIKES

Existing Sign  
(TO REMAIN)

Existing Sign  
(TO REMAIN)

Existing Sign  
(TO REMAIN)

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

SUSANNE S. WILLIAMS, P.E.  
P.E. NO.: 49486  
TRAFFIC ENGINEERING DATA SOLUTIONS, INC.  
80 SPRING VISTA DRIVE  
DEBARY, FL 32713

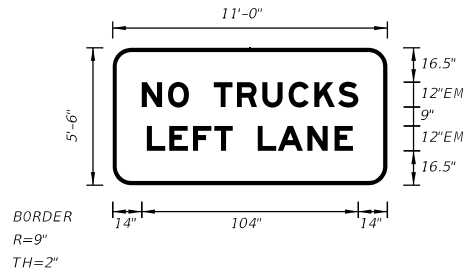
STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

**SIGNING AND PAVEMENT  
MARKING PLAN (19A)**

SHEET NO.  
S-30

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

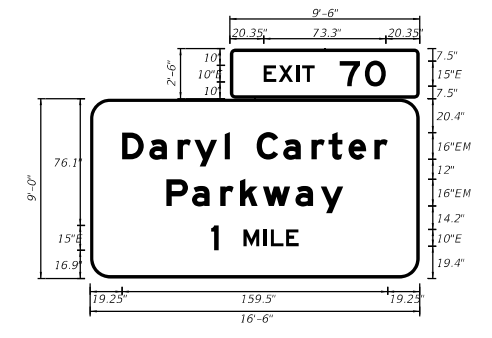
SIGN NAME	GS-1	QTY	2	SIGN NUMBER	STATION(S)
PANEL	BORDER	575+54			
WIDTH	11'-0"	WIDTH	2"	666+09	
HEIGHT	5'-6"	RADII	9"		
LEGEND	Black	COLOR	Black		
COLOR	White				
SYMBOL(S)	ANGLE	X	Y	WID	HT
SIGN NUMBER	CLEARANCE	COLUMN SIZE	AVERAGE LENGTH		
	Edge Of Lane				



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

COPY	N	O	T	R	U	C	K	S	L			
SPACE	14	12.6	10.1	12	11	12.2	12.6	12.4	11.4	9.7	14	104
COPY	L	E	F	T	L	A	N	E	L			
SPACE	16.4	10.8	11.4	10.2	8.9	12	9.6	14.3	13.1	8.9	16.4	99.1
COPY												
SPACE												
COPY												
SPACE												
COPY												
SPACE												
COPY												
SPACE												

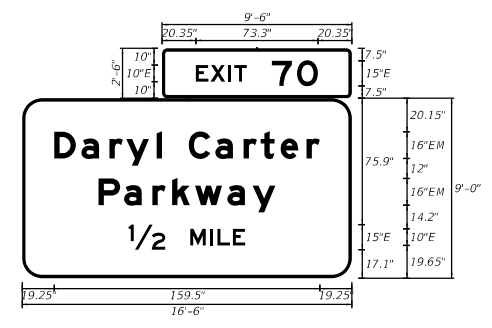
SIGN NAME	GS-2	QTY	1	SIGN NUMBER	STATION(S)
PANEL	BORDER	579+80			
WIDTH	16'-6"	WIDTH	2"		
HEIGHT	9'-0"	RADII	12"		
LEGEND	Wh/Bk	COLOR	Wh/Bk		
COLOR	Green				
SYMBOL(S)	ANGLE	X	Y	WID	HT
SIGN NUMBER	CLEARANCE	COLUMN SIZE	AVERAGE LENGTH		
	Edge Of Lane				



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

COPY	E	X	I	T	7	0	L								
SPACE	20.3	8.9	10.7	3.5	7.5	15	15.2	12.6	20.3	73.3					
COPY	D	a	r	y	I	C	a	r	t	e	r	L			
SPACE	19.2	16.3	17	10.1	18.2	3.2	16	16	17	10.2	12	15.5	8	19.2	159.5
COPY	P	a	r	k	w	a	y	L							
SPACE	45.9	15.4	17	11.8	13.8	19.5	15.2	13.6	45.9	106.2					
COPY	1	M	I	L	E	L									
SPACE	72.7	4.5	15	12	4.4	9.2	7.5	72.7	52.6						
COPY															
SPACE															
COPY															
SPACE															

SIGN NAME	GS-3	QTY	1	SIGN NUMBER	STATION(S)
PANEL	BORDER	597+20			
WIDTH	16'-6"	WIDTH	2"		
HEIGHT	9'-0"	RADII	12"		
LEGEND	Wh/Bk	COLOR	Wh/Bk		
COLOR	Green				
SYMBOL(S)	ANGLE	X	Y	WID	HT
SIGN NUMBER	CLEARANCE	COLUMN SIZE	AVERAGE LENGTH		
	Edge Of Lane				



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

SIGN NAME	GS-4	QTY	1	SIGN NUMBER	STATION(S)
PANEL	BORDER	592+04			
WIDTH	17'-0"	WIDTH	2"		
HEIGHT	5'-0"	RADII	8"		
LEGEND	White	COLOR	White		
COLOR	Green				
SYMBOL(S)	ANGLE	X	Y	WID	HT
SIGN NUMBER	CLEARANCE	COLUMN SIZE	AVERAGE LENGTH		
	Edge Of Lane				



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

COPY	I	n	t	e	r	n	a	t	i	o	n	a	I						
SPACE	15.7	7.2	12.8	10	12.9	9.8	12.9	12.8	11.2	6.8	13.2	12.9	14.1	2.7	12	14.8	6.7	15.7	172.5
COPY	N	E	X	T	5	E	X	I	T	S	L								
SPACE	47.6	10.7	8.9	9.8	7.5	10	12.1	10	8.9	10.7	3.5	8.6	8.1	47.6	108.8				
COPY	1/2	M	I	L	E	L													
SPACE	64	22	15	12	4.4	9.2	7.5	64	70.1										
COPY																			
SPACE																			
COPY																			
SPACE																			

COPY	E	X	I	T	7	0	L								
SPACE	20.3	8.9	10.7	3.5	7.5	15	15.2	12.6	20.3	73.3					
COPY	D	a	r	y	I	C	a	r	t	e	r	L			
SPACE	19.2	16.3	17	10.1	18.2	3.2	16	16	17	10.2	12	15.5	8	19.2	159.5
COPY	P	a	r	k	w	a	y	L							
SPACE	45.9	15.4	17	11.8	13.8	19.5	15.2	13.6	45.9	106.2					
COPY	1/2	M	I	L	E	L									
SPACE	64	22	15	12	4.4	9.2	7.5	64	70.1						
COPY															
SPACE															
COPY															
SPACE															

DATE		DESCRIPTION		DATE		DESCRIPTION		SUSANNE S. WILLIAMS, P.E. P.E. NO.: 49486 TRAFFIC ENGINEERING DATA SOLUTIONS, INC. 80 SPRING VISTA DRIVE DEBARY, FL 32713	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			SHEET NO.  S-31
ROAD NO.		COUNTY		FINANCIAL PROJECT ID		GUIDE SIGN WORK SHEET						
SR 400		ORANGE		441113-1-52-01								

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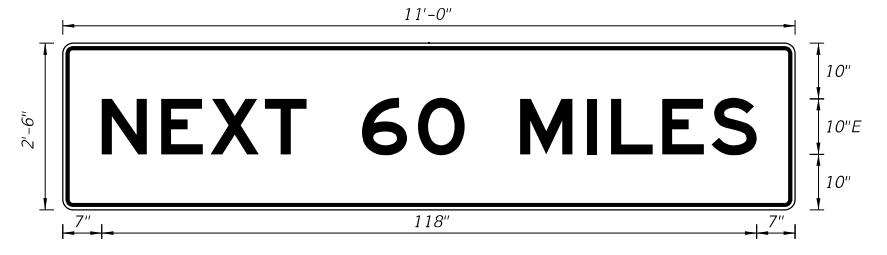
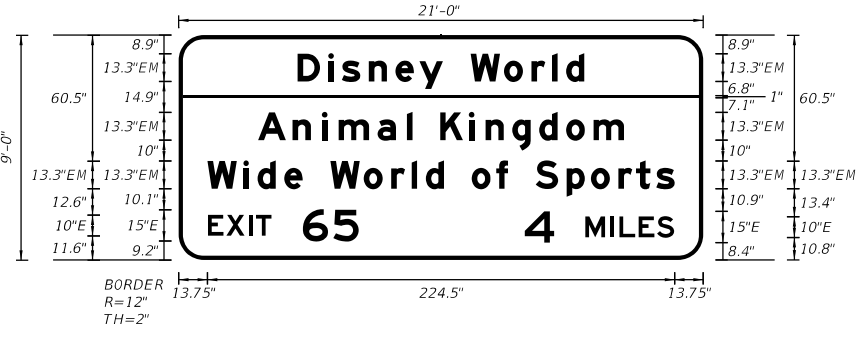




SIGN NAME	GS-16	QTY	1	SIGN NUMBER	STATION(S)
PANEL	BORDER			669+34	
WIDTH	21'-0"	WIDTH	2"		
HEIGHT	9'-0"	RADII	12"		
LEGEND	White	COLOR	White		
COLOR	Green / Green				
SYMBOL(S)	ANGLE	X	Y	WID	HT
SIGN NUMBER	CLEARANCE Edge Of Lane	COLUMN SIZE	AVERAGE LENGTH		

SIGN NAME	GS-17	QTY	1	SIGN NUMBER	STATION(S)
PANEL	BORDER			666+09	
WIDTH	11'-0"	WIDTH	0.75"		
HEIGHT	2'-6"	RADII	1.38"		
LEGEND	Black	COLOR	Black		
COLOR	Yellow				
SYMBOL(S)	ANGLE	X	Y	WID	HT
SIGN NUMBER	CLEARANCE Edge Of Lane	COLUMN SIZE	AVERAGE LENGTH		

SIGN NAME	GS-17	QTY	1	SIGN NUMBER	STATION(S)
PANEL	BORDER			666+09	
WIDTH	11'-0"	WIDTH	0.75"		
HEIGHT	2'-6"	RADII	1.38"		
LEGEND	Black	COLOR	Black		
COLOR	Yellow				
SYMBOL(S)	ANGLE	X	Y	WID	HT
SIGN NUMBER	CLEARANCE Edge Of Lane	COLUMN SIZE	AVERAGE LENGTH		



COPY	D	i	s	n	e	y	W	o	r	l	d	L											
SPACE	57.1	14.8	6.5	12.9	12.9	11.4	11.3	13.3	16.1	13.2	9.8	6.8	8.8	57.1	137.8								
COPY	A	n	i	m	a	l	K	i	n	g	d	o	m	L									
SPACE	38.1	16.6	14.1	8	18.8	14.1	2.7	13.3	13.8	8	12.9	12.9	12.9	13.2	14.6	38.1	175.8						
COPY	W	i	d	e	W	o	r	l	d	o	f	S	p	o	r	t	s	L					
SPACE	13.7	17.3	6.8	12.9	8.8	13.3	16.1	13.2	9.8	6.8	8.8	13.3	11.8	5.6	13.3	14.9	11.7	13.2	8.5	9.7	8.8	13.7	224.5
COPY	E	x	i	t	6	5	L																
SPACE	14	8.9	10.7	3.5	7.5	15	14.7	12.1	165.6	72.4													
COPY	4	M	i	L	E	S	L																
SPACE	166.3	14.1	15	12	4.4	9.2	8.9	8.1	14	71.7													

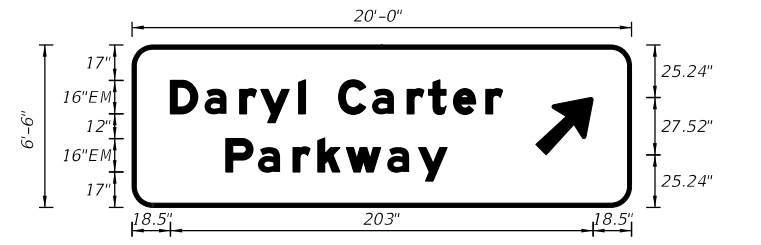
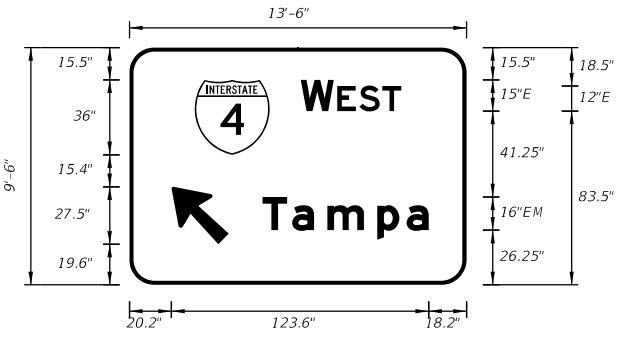
COPY	N	E	X	T	6	0	M	I	L	E	S	L				
SPACE	7	10.7	8.9	9.8	7.5	10	10.1	8.4	10	12	4.4	9.2	8.9	8.1	7	118

COPY	N	E	X	T	6	0	M	I	L	E	S	L				
SPACE	7	10.7	8.9	9.8	7.5	10	10.1	8.4	10	12	4.4	9.2	8.9	8.1	7	118

SIGN NAME	GS-18	QTY	1	SIGN NUMBER	STATION(S)
PANEL	BORDER			660+68	
WIDTH	13'-6"	WIDTH	2"		
HEIGHT	9'-6"	RADII	12"		
LEGEND	White	COLOR	White		
COLOR	Green				
SYMBOL(S)	ANGLE	X	Y	WID	HT
M1_1	0	31.4	62.5	36	36
AR_Type A	225	20.2	19.6	22.2	35
SIGN NUMBER	CLEARANCE Edge Of Lane	COLUMN SIZE	AVERAGE LENGTH		

SIGN NAME	GS-19	QTY	1	SIGN NUMBER	STATION(S)
PANEL	BORDER			7068+98	
WIDTH	20'-0"	WIDTH	2"		
HEIGHT	6'-6"	RADII	10"		
LEGEND	White	COLOR	White		
COLOR	Green				
SYMBOL(S)	ANGLE	X	Y	WID	HT
AR_Type A	315	194	25.2	22.2	35
SIGN NUMBER	CLEARANCE Edge Of Lane	COLUMN SIZE	AVERAGE LENGTH		

SIGN NAME	GS-19	QTY	1	SIGN NUMBER	STATION(S)
PANEL	BORDER			7068+98	
WIDTH	20'-0"	WIDTH	2"		
HEIGHT	6'-6"	RADII	10"		
LEGEND	White	COLOR	White		
COLOR	Green				
SYMBOL(S)	ANGLE	X	Y	WID	HT
AR_Type A	315	194	25.2	22.2	35
SIGN NUMBER	CLEARANCE Edge Of Lane	COLUMN SIZE	AVERAGE LENGTH		



COPY	W	E	S	T	L			
SPACE	82.4	15.9	1.6	10.7	11	9	31.4	48.2
COPY	T	a	m	p	a	L		
SPACE	64	14.2	17	24	14.1	10.6	18.2	79.8

COPY	D	a	r	y	L	C	a	r	t	e	r	L			
SPACE	18.5	16.3	17	10.1	18.2	3.2	16	16	17	10.2	12	15.5	8	62	159.5
COPY	P	a	r	k	w	a	y	L							
SPACE	45.1	15.4	17	11.8	13.8	19.5	15.2	13.6	88.7	106.2					

COPY	D	a	r	y	L	C	a	r	t	e	r	L			
SPACE	18.5	16.3	17	10.1	18.2	3.2	16	16	17	10.2	12	15.5	8	62	159.5
COPY	P	a	r	k	w	a	y	L							
SPACE	45.1	15.4	17	11.8	13.8	19.5	15.2	13.6	88.7	106.2					

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

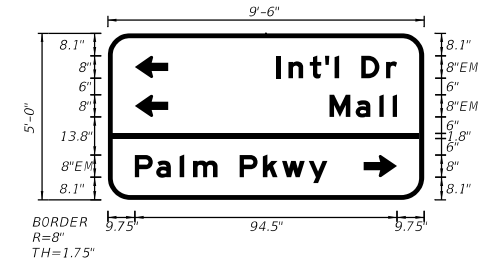
SUSANNE S. WILLIAMS, P.E.  
P.E. NO.: 49486  
TRAFFIC ENGINEERING DATA SOLUTIONS, INC.  
80 SPRING VISTA DRIVE  
DEBARY, FL 32713

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

<b>GUIDE SIGN WORK SHEET</b>		
SHEET NO. <b>S-35</b>		

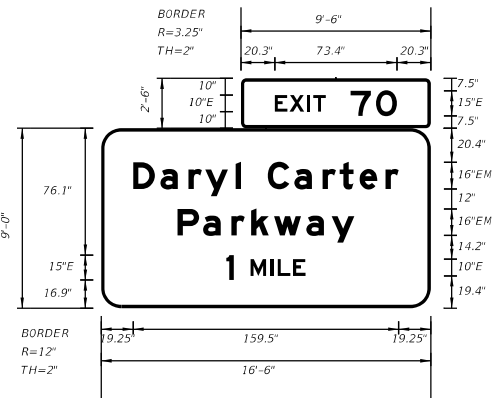
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SIGN NAME	GS-20	QTY	I	SIGN NUMBER	STATION(S)
PANEL	BORDER				709+00
WIDTH	9'-6"	WIDTH	1.75"		
HEIGHT	5'-0"	RADII	8"		
LEGEND	White	COLOR	White		
COLOR	Green				
SYMBOL(S)	ANGLE	X	Y	WID	HT
AR_Type D	90	9.8	43.8	8	12
AR_Type D	90	9.8	29.8	8	12
AR_Type D	270	92.3	8.2	8	12
SIGN NUMBER	CLEARANCE	COLUMN SIZE	AVERAGE LENGTH		
	Edge Of Lane				



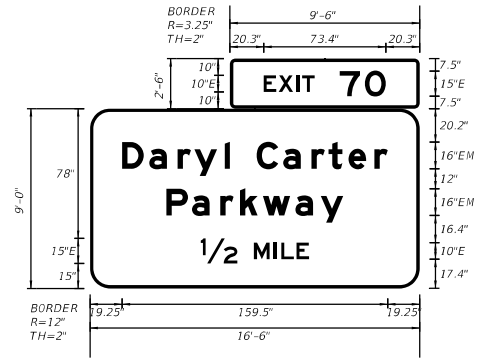
NO. OF LIGHT FIXTURES	FIXTURE SPACING	PHOTOMETRIC CURVE	WATT	VOLTAGE
COPY				
SPACE	60.8	4.3	7.7	5.4
COPY				
SPACE	79.9	9.4	8.5	4.8
COPY				
SPACE	9.8	7.7	8.5	4.8
COPY				
SPACE				
COPY				
SPACE				

SIGN NAME	GS-22	QTY	I	SIGN NUMBER	STATION(S)
PANEL	BORDER				743+40
WIDTH	16'-6"	WIDTH	2"		
HEIGHT	9'-0"	RADII	12"		
LEGEND	White	COLOR	White		
COLOR	Green				
SYMBOL(S)	ANGLE	X	Y	WID	HT
SIGN NUMBER	CLEARANCE	COLUMN SIZE	AVERAGE LENGTH		
	Edge Of Lane				



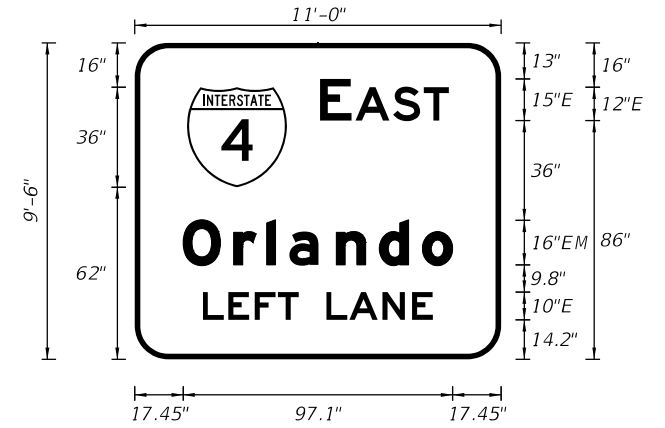
NO. OF LIGHT FIXTURES	FIXTURE SPACING	PHOTOMETRIC CURVE	WATT	VOLTAGE
COPY				
SPACE	20.3	8.9	10.7	3.5
COPY				
SPACE	19.2	16.3	17	10.1
COPY				
SPACE	45.9	15.4	17	11.8
COPY				
SPACE	75.2	4.5	10	12
COPY				
SPACE				

SIGN NAME	GS-21	QTY	I	SIGN NUMBER	STATION(S)
PANEL	BORDER				717+00
WIDTH	16'-6"	WIDTH	2"		
HEIGHT	9'-0"	RADII	12"		
LEGEND	White	COLOR	White		
COLOR	Green				
SYMBOL(S)	ANGLE	X	Y	WID	HT
SIGN NUMBER	CLEARANCE	COLUMN SIZE	AVERAGE LENGTH		
	Edge Of Lane				



NO. OF LIGHT FIXTURES	FIXTURE SPACING	PHOTOMETRIC CURVE	WATT	VOLTAGE
COPY				
SPACE	20.3	8.9	10.7	3.5
COPY				
SPACE	19.2	16.3	17	10.1
COPY				
SPACE	45.9	15.4	17	11.8
COPY				
SPACE	66.5	22	10	12
COPY				
SPACE				

SIGN NAME	GS-23	QTY	I	SIGN NUMBER	STATION(S)
PANEL	BORDER				107+31
WIDTH	11'-0"	WIDTH	1.8"		
HEIGHT	9'-6"	RADII	11.8"		
LEGEND	White	COLOR	White		
COLOR	Green				
SYMBOL(S)	ANGLE	X	Y	WID	HT
M1_1	0	18.8	62	36	36
SIGN NUMBER	CLEARANCE	COLUMN SIZE	AVERAGE LENGTH		
	Edge Of Lane				



NO. OF LIGHT FIXTURES	FIXTURE SPACING	PHOTOMETRIC CURVE	WATT	VOLTAGE
COPY				
SPACE	66.8	11.2	1.5	13.6
COPY				
SPACE	17.4	18.2	11.8	8.2
COPY				
SPACE	24.6	9.2	9.5	8.3
COPY				
SPACE				

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

SUSANNE S. WILLIAMS, P.E.  
 P.E. NO.: 49486  
 TRAFFIC ENGINEERING DATA SOLUTIONS, INC.  
 80 SPRING VISTA DRIVE  
 DEBARY, FL 32713

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

**GUIDE SIGN WORK SHEET**

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.



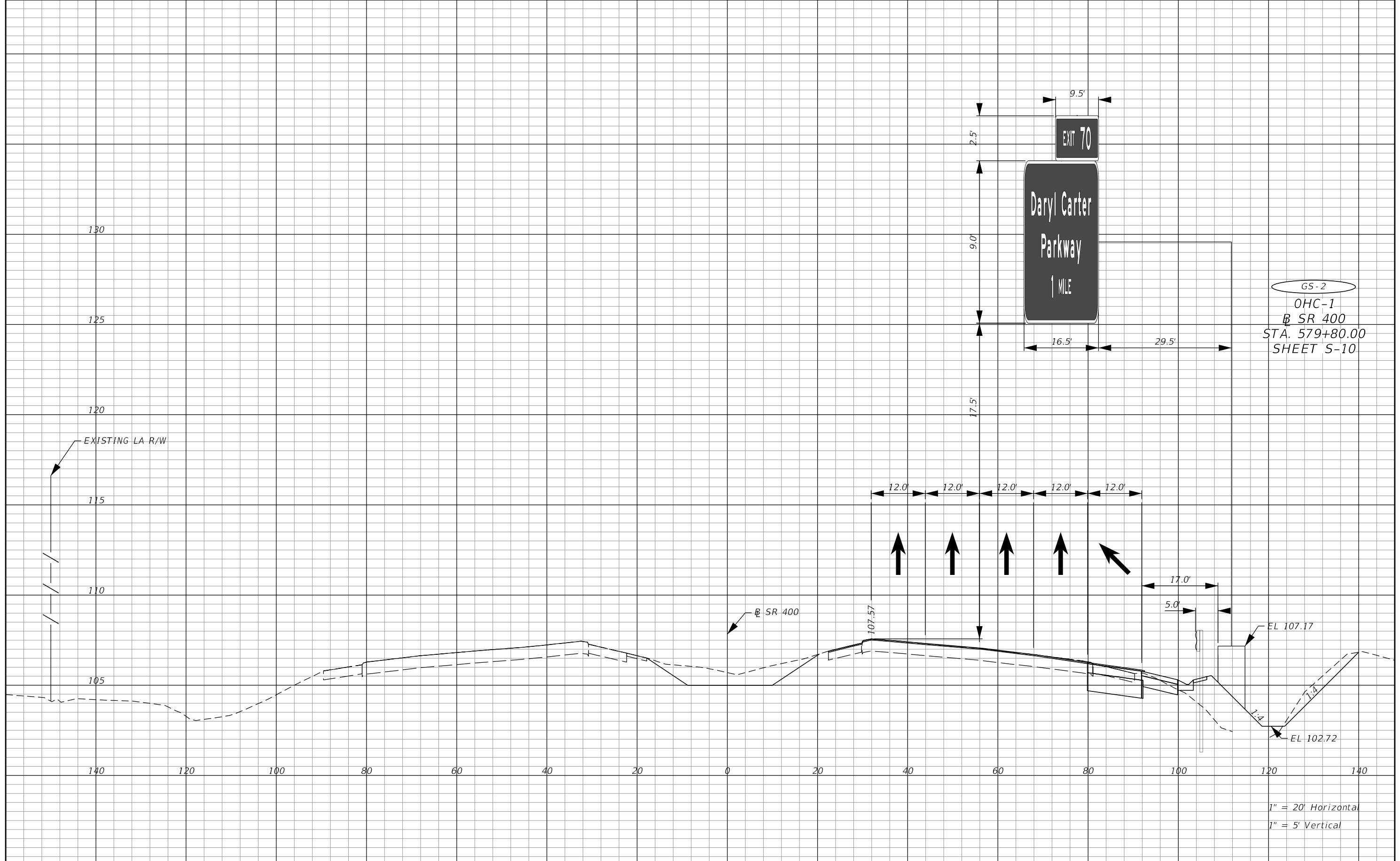


MULTI-POST SUMMARY DATA TABLE				
STATION	SIGN	POST	NO. OF POSTS	ESTIMATED AVERAGE POST LENGTH (FT)
575+54.00	GS-1	W 8 x 18	3	18.42
592+04.00	GS-4	W 8 x 18	3	17.11
608+05.00	R16-04	W 6 x 12	3	13.80
630+91.00	GS-5	W 6 x 12	2	12.81
666+09.00	GS-1 / GS-17	W 8 x 18	3	16.82
680+00.00	GS-9	W 8 x 18	3	18.06
669+34.00	GS-16	W 10 x 33	3	20.45
692+05.00	GS-14	W 10 x 33	2	19.40
724+58.00	R16-04	W 8 x 18	3	16.17
107+31.00	GS-23	W 8 x 18	3	15.81
120+36.00	GS-25	W 8 x 18	3	15.37
709+00.00	GS-20	W 8 x 18	2	13.53
509+72.00	GS-20B	W 8 x 18	2	14.03

Notes:

1. Work this sheet with Index 700-020.
2. For foundation data, notes & additional details, see Index 700-020.

REVISIONS				AECOM Technical Services, Inc. 150 North Orange Avenue Suite 200 Orlando, FL 32801 Brian T. Chunn, P.E. No. 56769	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			<b>MULTI-POST            DESIGN SUMMARY</b>	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		S-38
					SR 400	ORANGE	441113-1-52-01		



GS-2  
 OHC-1  
 SR 400  
 STA. 579+80.00  
 SHEET S-10

1" = 20' Horizontal  
 1" = 5' Vertical

REVISIONS		REVISIONS	
DATE	DESCRIPTION	DATE	DESCRIPTION

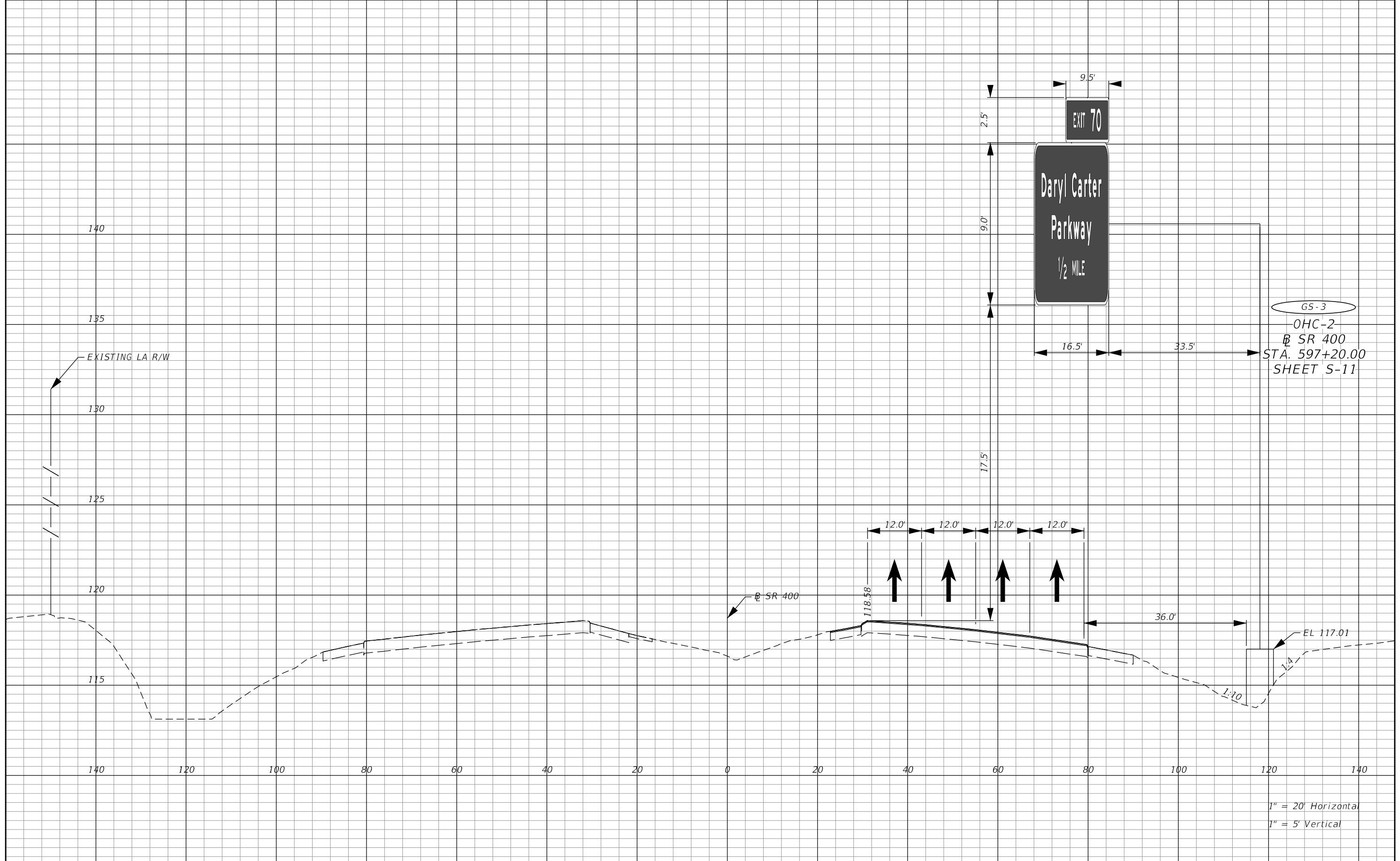
SUSANNE S. WILLIAMS, P.E.  
 P.E. NO.: 49486  
 TRAFFIC ENGINEERING DATA SOLUTIONS, INC.  
 80 SPRING VISTA DRIVE  
 DEBARY, FL 32713

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

**SIGN CROSS SECTION**

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.



GS-3  
 OHC-2  
 SR 400  
 STA. 597+20.00  
 SHEET S-11

1" = 20' Horizontal  
 1" = 5' Vertical

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

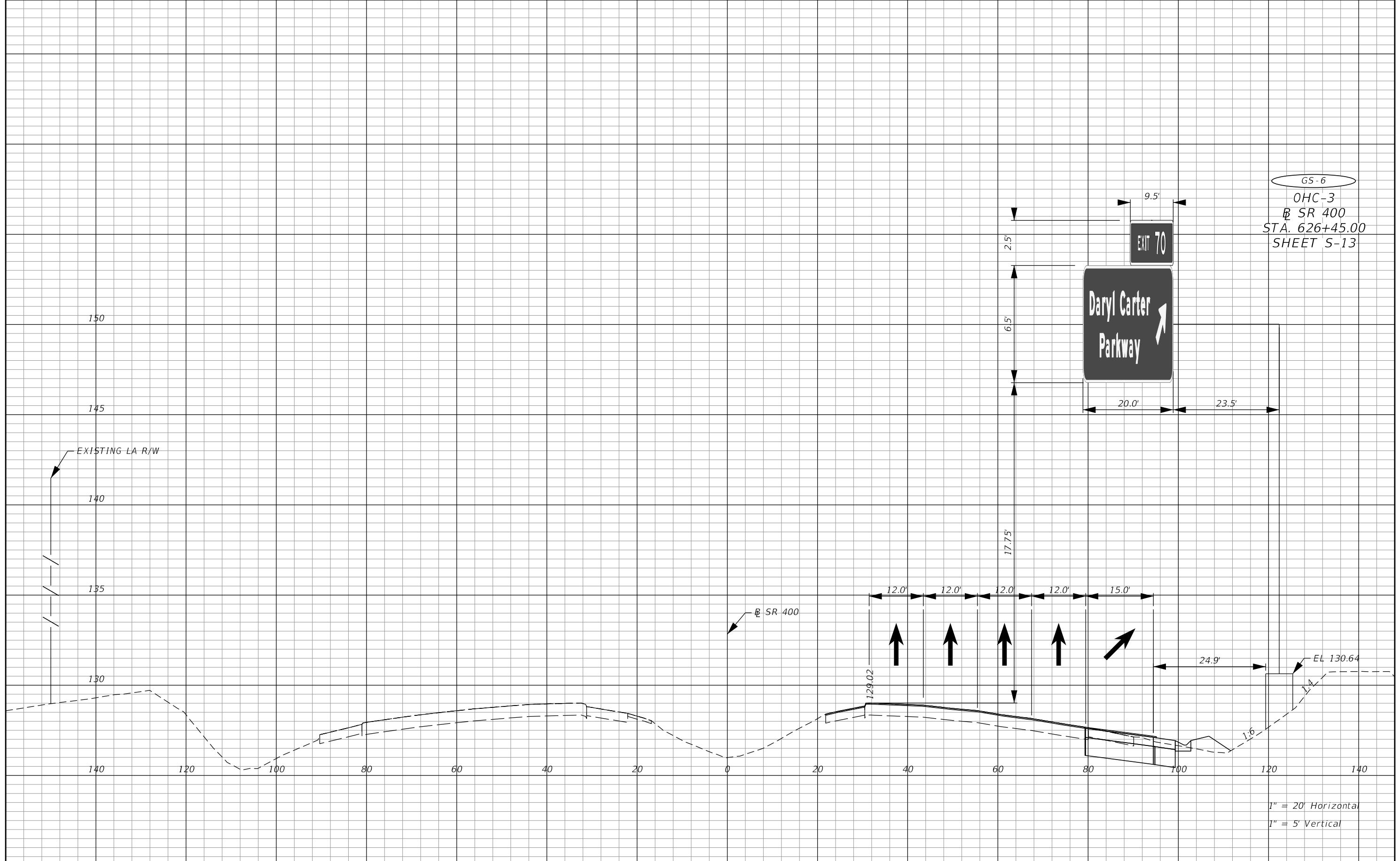
SUSANNE S. WILLIAMS, P.E.  
 P.E. NO.: 49486  
 TRAFFIC ENGINEERING DATA SOLUTIONS, INC.  
 80 SPRING VISTA DRIVE  
 DEBARY, FL 32713

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

**SIGN CROSS SECTION**

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.



REVISIONS		REVISIONS	
DATE	DESCRIPTION	DATE	DESCRIPTION

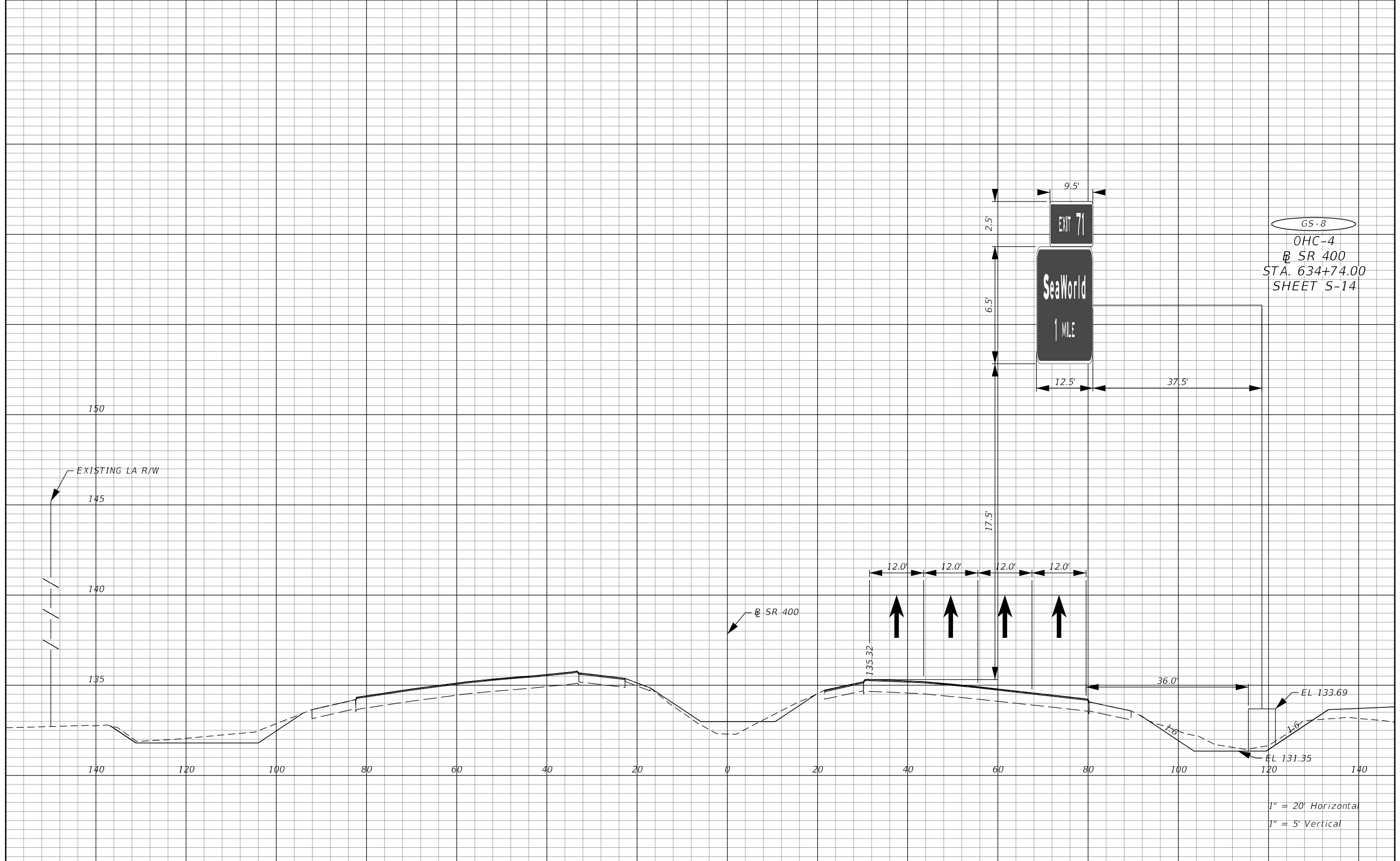
SUSANNE S. WILLIAMS, P.E.  
P.E. NO.: 49486  
TRAFFIC ENGINEERING DATA SOLUTIONS, INC.  
80 SPRING VISTA DRIVE  
DEBARY, FL 32713

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

**SIGN CROSS SECTION**

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

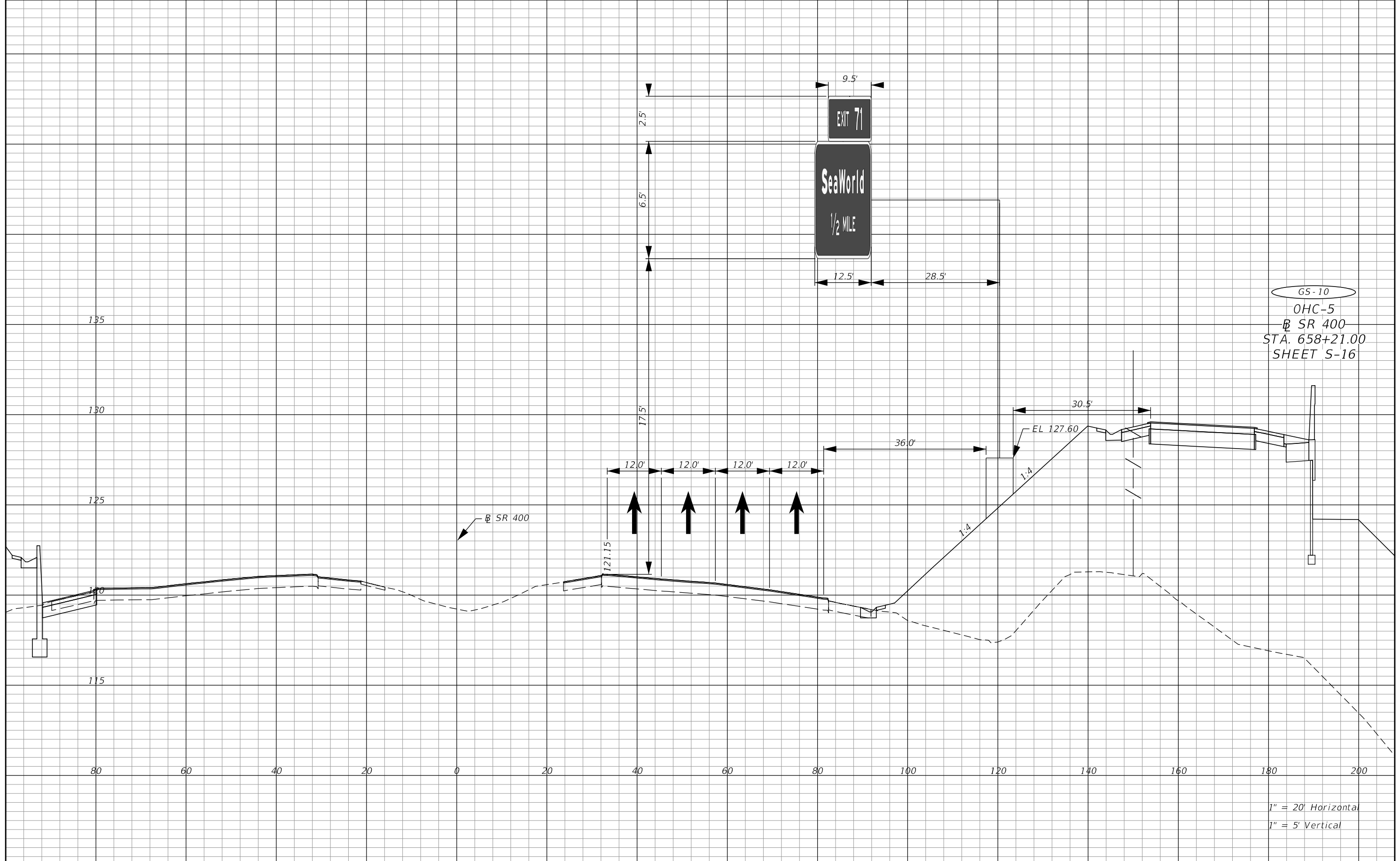
SUSANNE S. WILLIAMS, P.E.  
P.E. NO.: 49486  
TRAFFIC ENGINEERING DATA SOLUTIONS, INC.  
80 SPRING VISTA DRIVE  
DEBARY, FL 32713

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

**SIGN CROSS SECTION**

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.



REVISIONS	
DATE	DESCRIPTION

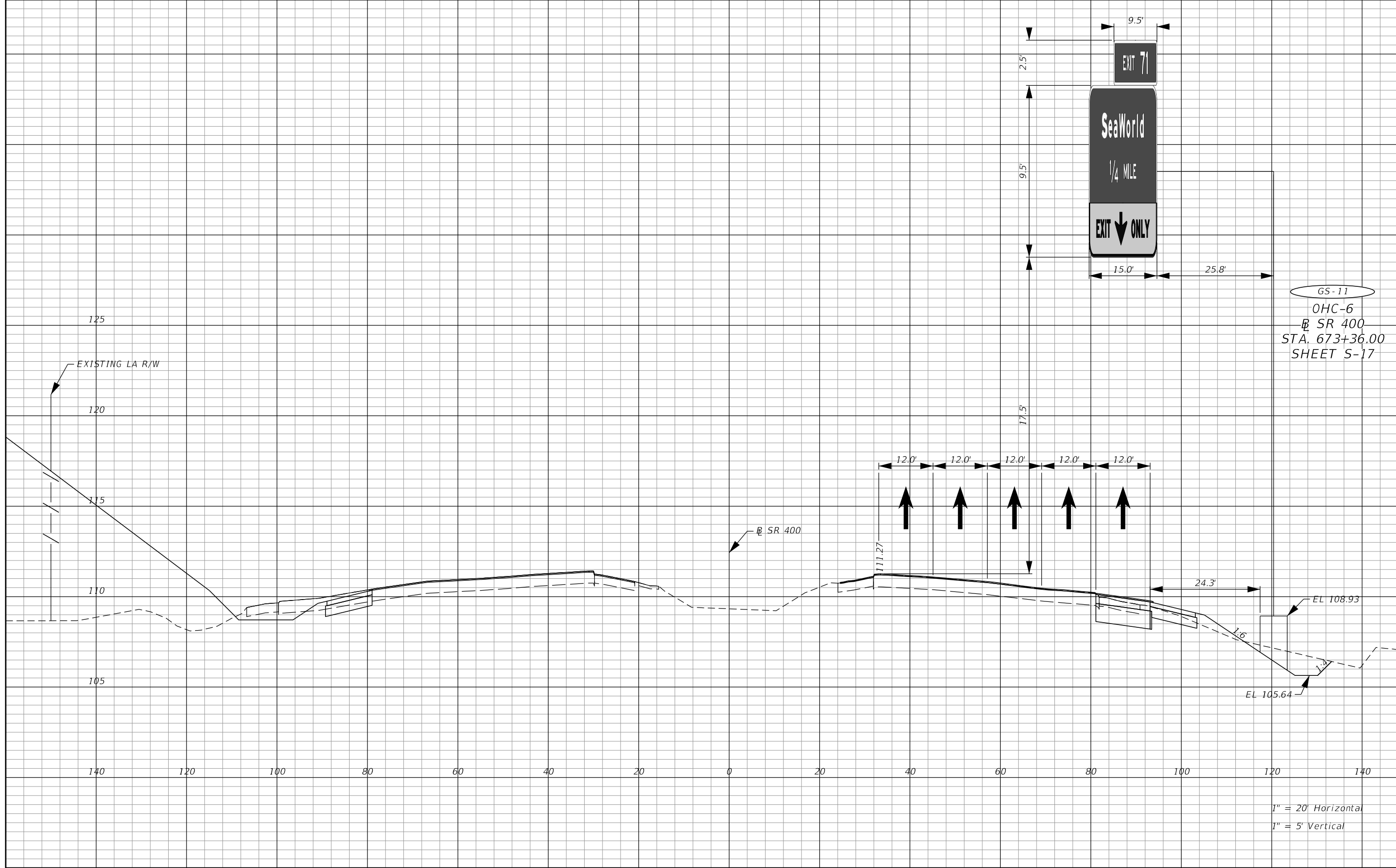
SUSANNE S. WILLIAMS, P.E.  
P.E. NO.: 49486  
TRAFFIC ENGINEERING DATA SOLUTIONS, INC.  
80 SPRING VISTA DRIVE  
DEBARY, FL 32713

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

**SIGN CROSS SECTION**

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.



1" = 20' Horizontal  
1" = 5' Vertical

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

SUSANNE S. WILLIAMS, P.E.  
P.E. NO.: 49486  
TRAFFIC ENGINEERING DATA SOLUTIONS, INC.  
80 SPRING VISTA DRIVE  
DEBARY, FL 32713

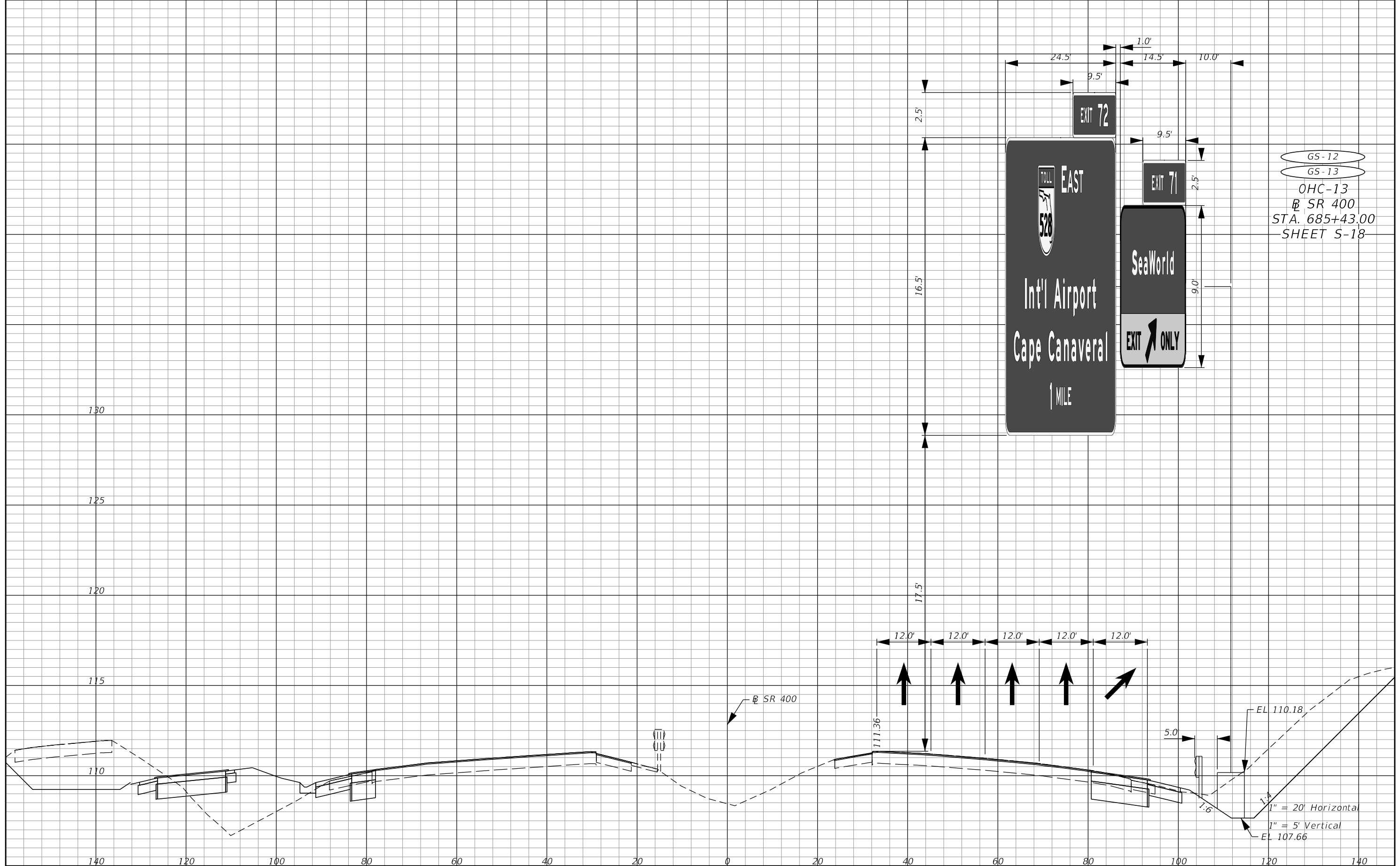
STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

**SIGN CROSS SECTION**

SHEET NO.  
S-44

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





GS-12  
 GS-13  
 OHC-13  
 @ SR 400  
 STA. 685+43.00  
 SHEET S-18

REVISIONS	
DATE	DESCRIPTION

SUSANNE S. WILLIAMS, P.E.  
 P.E. NO.: 49486  
 TRAFFIC ENGINEERING DATA SOLUTIONS, INC.  
 80 SPRING VISTA DRIVE  
 DEBARY, FL 32713

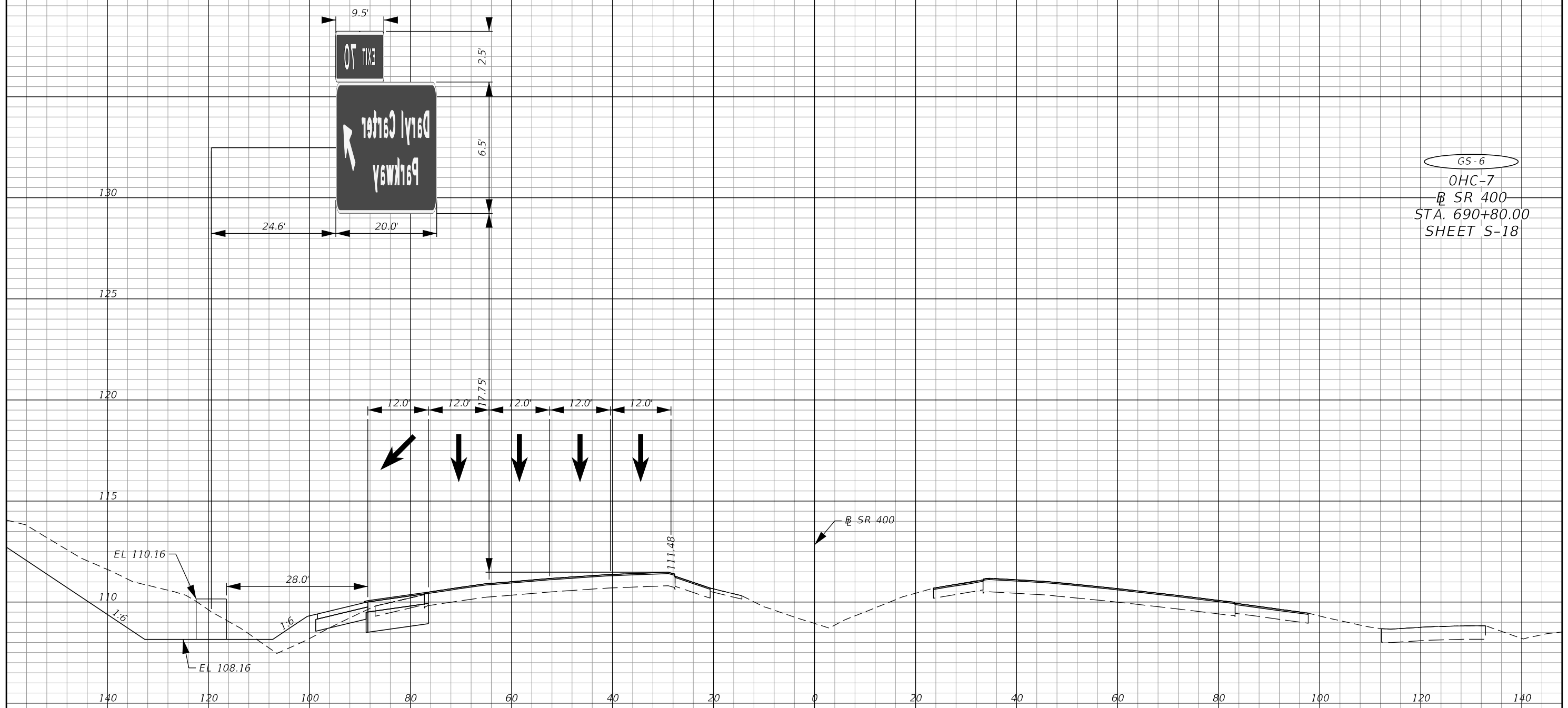
STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

**SIGN CROSS SECTION**

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.

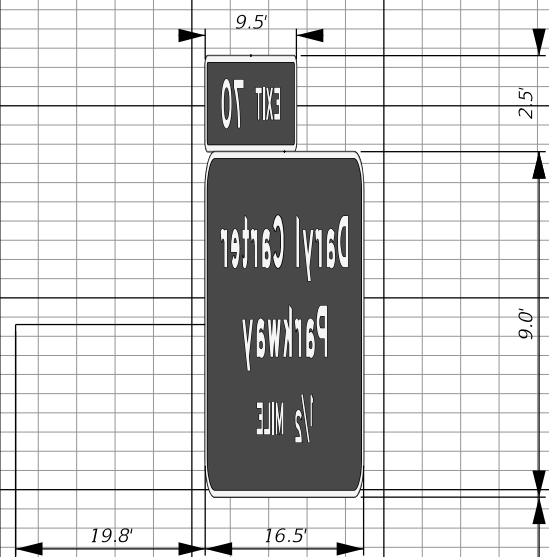
GS-6  
 OHC-7  
 SR 400  
 STA. 690+80.00  
 SHEET S-18



1" = 20' Horizontal  
 1" = 5' Vertical

REVISIONS		REVISIONS		SUSANNE S. WILLIAMS, P.E. P.E. NO.: 49486 TRAFFIC ENGINEERING DATA SOLUTIONS, INC. 80 SPRING VISTA DRIVE DEBARY, FL 32713	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			SHEET NO.  S-46
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID	
					SR 400	ORANGE	441113-1-52-01	

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



GS-3  
 OHC-8  
 SR 400  
 STA. 717+00.00  
 SHEET S-20



1" = 20' Horizontal  
 1" = 5' Vertical

REVISIONS	
DATE	DESCRIPTION

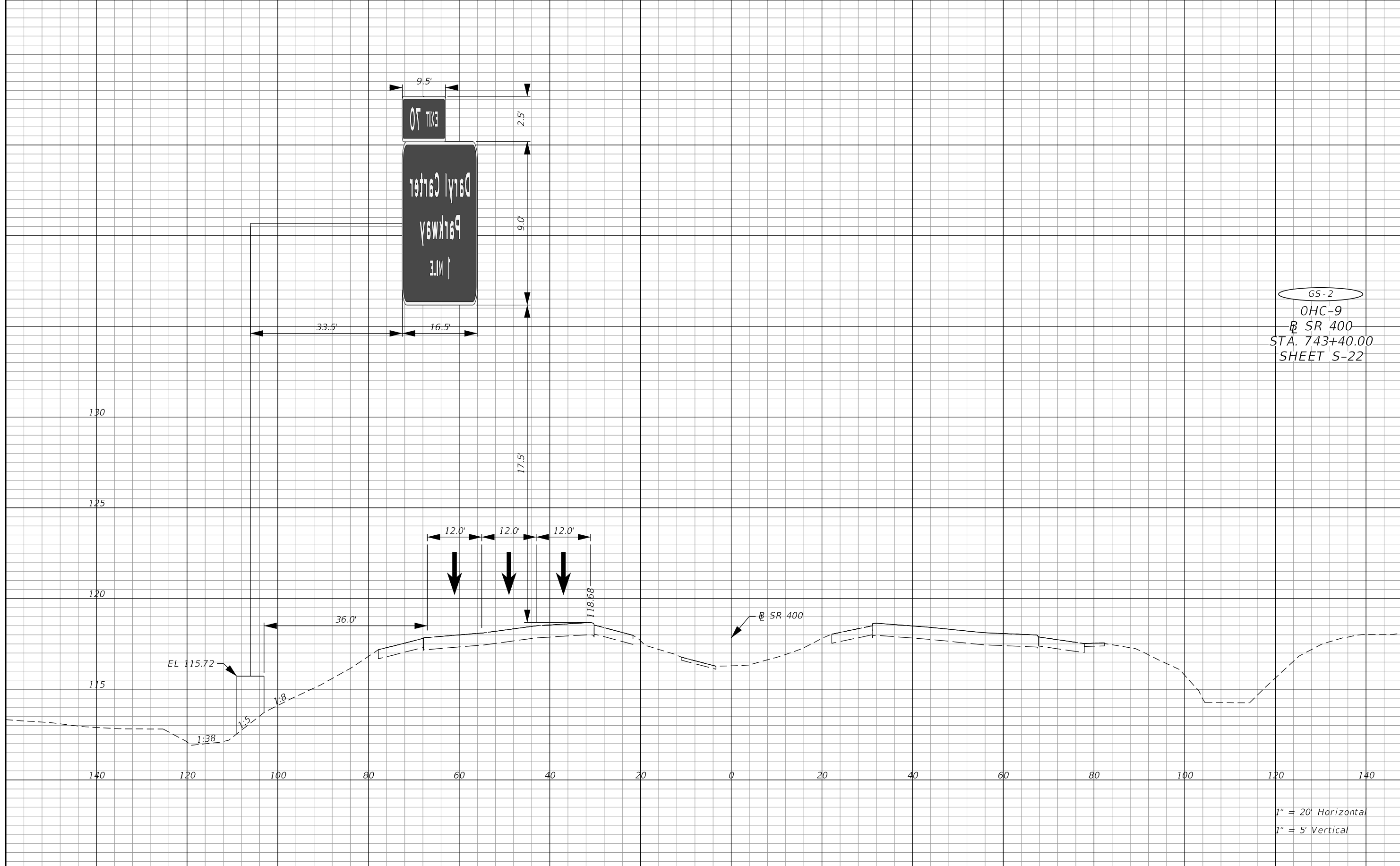
SUSANNE S. WILLIAMS, P.E.  
 P.E. NO.: 49486  
 TRAFFIC ENGINEERING DATA SOLUTIONS, INC.  
 80 SPRING VISTA DRIVE  
 DEBARY, FL 32713

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

**SIGN CROSS SECTION**

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.



GS-2  
 OHC-9  
 SR 400  
 STA. 743+40.00  
 SHEET S-22

1" = 20' Horizontal  
 1" = 5' Vertical

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

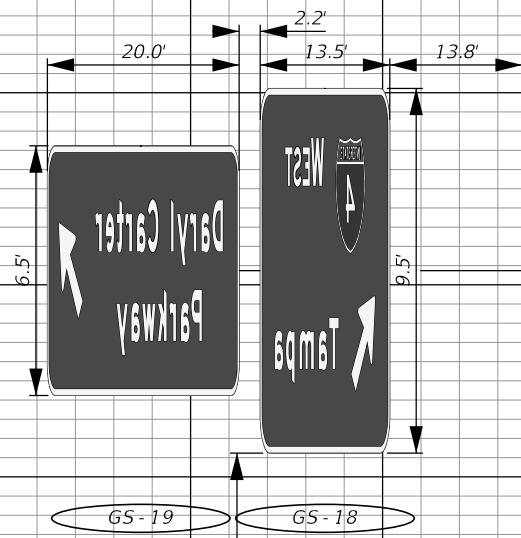
SUSANNE S. WILLIAMS, P.E.  
 P.E. NO.: 49486  
 TRAFFIC ENGINEERING DATA SOLUTIONS, INC.  
 80 SPRING VISTA DRIVE  
 DEBARY, FL 32713

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

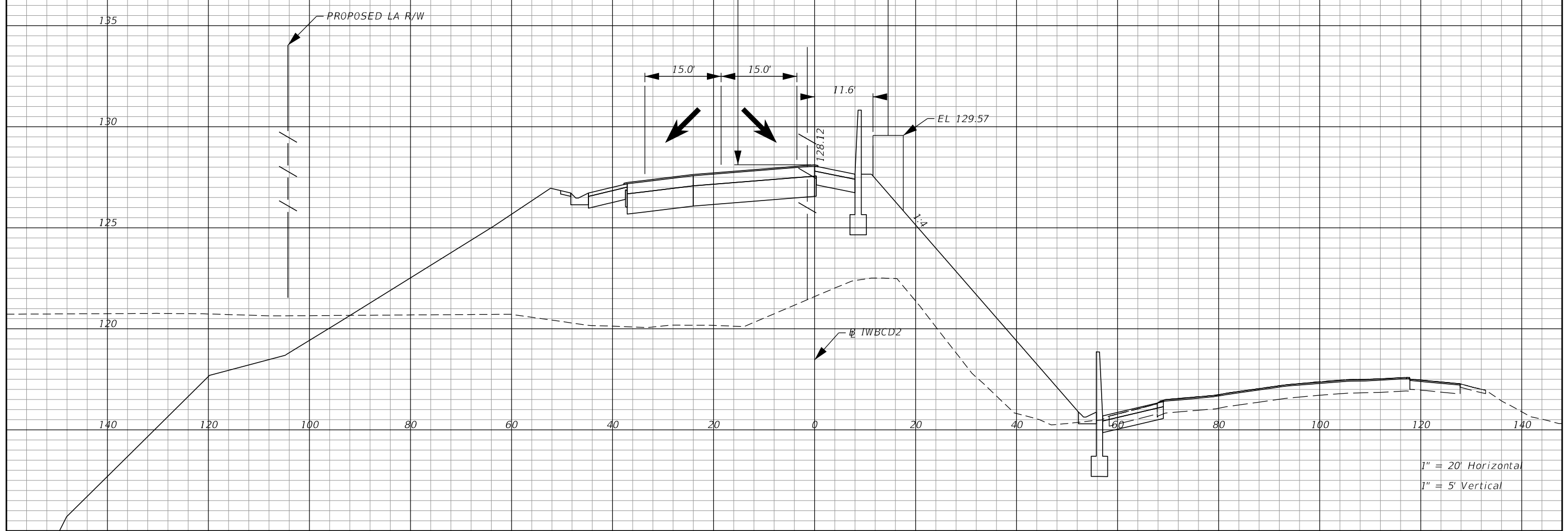
**SIGN CROSS SECTION**

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.



GS-18  
 GS-19  
 OHC-10  
 IWBCD2  
 STA. 7068+98.00  
 SHEET S-16



1" = 20' Horizontal  
 1" = 5' Vertical

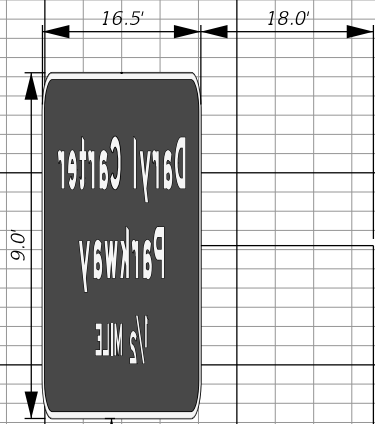
REVISIONS		REVISIONS	
DATE	DESCRIPTION	DATE	DESCRIPTION

SUSANNE S. WILLIAMS, P.E.  
 P.E. NO.: 49486  
 TRAFFIC ENGINEERING DATA SOLUTIONS, INC.  
 80 SPRING VISTA DRIVE  
 DEBARY, FL 32713

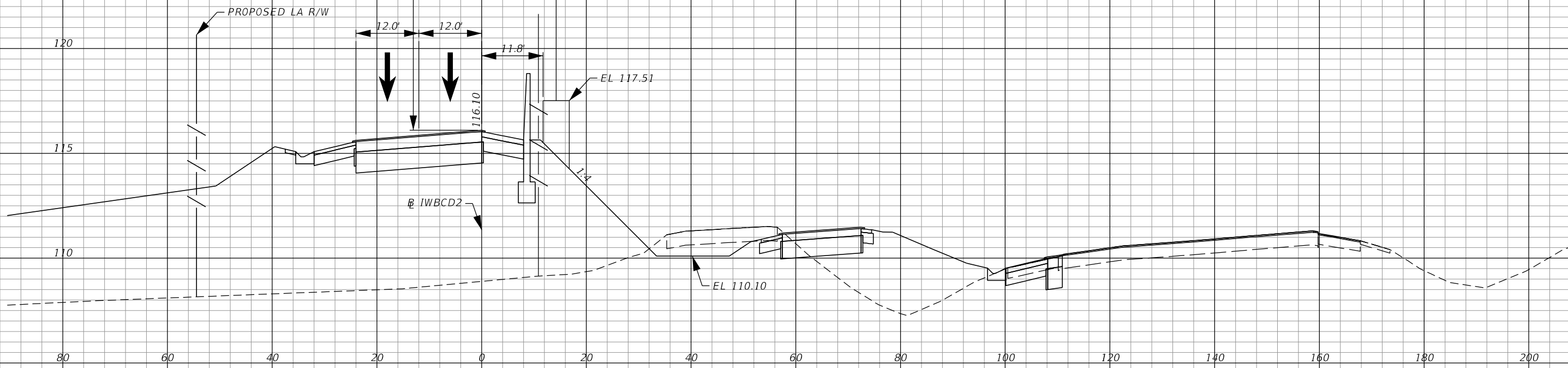
STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

**SIGN CROSS SECTION**  
 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.



GS-15  
 OHC-11  
 IWBCD2  
 STA. 7093+01.00  
 SHEET S-17

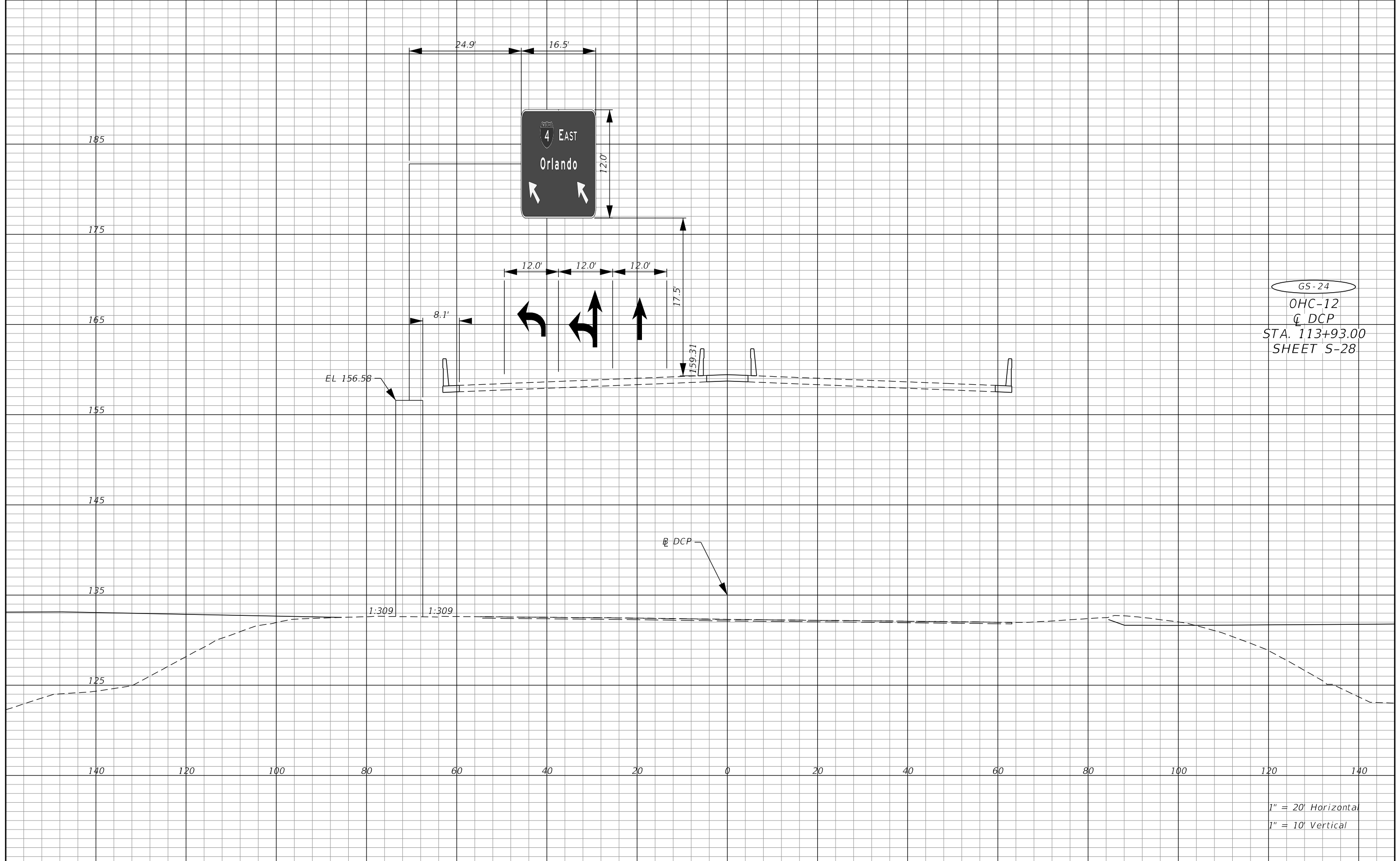


1" = 20' Horizontal  
 1" = 5' Vertical

REVISIONS		DATE		DESCRIPTION	
DATE	DESCRIPTION	DATE	DESCRIPTION		

SUSANNE S. WILLIAMS, P.E. P.E. NO.: 49486 TRAFFIC ENGINEERING DATA SOLUTIONS, INC. 80 SPRING VISTA DRIVE DEBARY, FL 32713			STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			<b>SIGN CROSS SECTION</b>	SHEET NO.
ROAD NO.	COUNTY	FINANCIAL PROJECT ID					
SR 400	ORANGE	441113-1-52-01		S-50			

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



GS-24  
 OHC-12  
 CL DCP  
 STA. 113+93.00  
 SHEET S-28

1" = 20' Horizontal  
 1" = 10' Vertical

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

SUSANNE S. WILLIAMS, P.E.  
 P.E. NO.: 49486  
 TRAFFIC ENGINEERING DATA SOLUTIONS, INC.  
 80 SPRING VISTA DRIVE  
 DEBARY, FL 32713

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	441113-1-52-01

**SIGN CROSS SECTION**

SHEET NO.  
 S-51

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.	STATION	DIMENSIONS				PANELS	MEMBER SIZES			BACKRAKE	
		A	B		C	N	D (CHORD)		E (WEB)	F (UPRIGHT)	G
		ft	ft	in	in	#	O. D. x Wall Thk. (in)		Angle (in)	O. D. x Wall Thk. (in)	in
OHC-1	579+80.00 / 111.79' RT	22.7500	6	6-3/4	63	7	5.56 x 0.375		3-1/2 x 3-1/2 x 3/8	24.00 x 0.750	4.9463
OHC-2	597+20.00 / 118.87' RT	24.0000	7	1-3/4	63	7	6.63 x 0.432		3-1/2 x 3-1/2 x 3/8	24.00 x 0.750	6.9516
OHC-3	626+45.00 / 121.97' RT	19.7500	6	2-1/2	60	7	5.56 x 0.375		3-1/2 x 3-1/2 x 3/8	24.00 x 0.562	4.2216
OHC-4	634+74.00 / 119.18' RT	22.7500	7	1-3/4	60	7	4.50 x 0.337		3-1/2 x 3-1/2 x 3/8	24.00 x 0.562	5.8714
OHC-5	658+21.00 / 121.27' RT	14.7500	5	10-1/4	54	7	4.50 x 0.337		3 x 3 x 5/16	20.00 x 0.500	3.3071
OHC-6	673+36.00 / 120.45' RT	25.0000	5	10	60	7	5.56 x 0.375		3-1/2 x 3-1/2 x 3/8	24.00 x 0.562	5.8393

- NOTES:
1. Work these Data Tables with Index 700-040.
  2. Design Wind Speed = 150 mph.
  3. Upright wall thickness given is a minimum dimension.

- FOUNDATION NOTES:
1. Design based on Borings taken sealed by Ardaman & Associates, Inc. Dated: 04-06-2020
  2. Assumptions and Values used in design:  
 Soil Type = Sand  
 Soil Layer Thickness = Full Depth of Shaft  
 Soil Friction Angle = Varies. See Geotech Report.  
 Soil Weight = Varies. See Geotech Report.  
 Design Water Table is 0 ft. below surface

CANTILEVER SIGN STRUCTURES DATA TABLE (CONT.)																								Table Date 01-01-11								
SIGN NO.	GUSSET PLATES												TRUSS CONNECTION								SPLICE											
	GA	GB	GC		GD		GE		GF		GG		GH		GJ		GK	TA	TB	TC	TD	TE	TF	TG	TH	TJ	SA	SB	SC	SD		
	in	in	ft	in	ft	in	ft	in	ft	in	ft	in	ft	in	ft	in	in	in	#	#	in	in	in	in	in	in	in	in	in	#	in	#
OHC-1	3/8	3/4	1	2-1/4		6-3/4		11-3/4		5-3/4		6-1/2		6-1/2		9-1/4	1/4	7/8	10	6	1/2	1/2	5/16	1/4	1/4	1/4	1/4	1/4	5 x 5 x 1/2	6	7/8	4
OHC-2	3/8	3/4	1	3-3/4		6-3/4	1	1-1/4		5-1/2		7		5-3/4		10-3/4	1/4	7/8	10	6	1/2	1/2	5/16	1/4	1/4	1/4	1/4	6 x 6 x 1/2	6	1	3	
OHC-3	3/8	3/4	1	2		6-3/4		11-3/4		5-3/4		6-1/2		6-1/2		9-1/4	1/4	7/8	8	6	1/2	1/2	1/4	1/4	1/4	1/4	1/4	5 x 5 x 1/2	6	7/8	4	
OHC-4	3/8	3/4	1	2-3/4		6-3/4	1	1/4		5-1/2		7		6-3/4		9-1/2	1/4	7/8	6	6	1/2	1/2	1/4	1/4	1/4	1/4	1/4	4 x 4 x 3/8	6	3/4	3	
OHC-5	3/8	3/4	1	1-1/4		6-1/2		11-1/4		5-1/2		6-1/2		6-1/4		9	1/4	7/8	6	6	1/2	1/2	1/4	1/4	1/4	1/4	1/4	4 x 4 x 3/8	6	3/4	4	
OHC-6	3/8	3/4	1	1-1/2		6-3/4		11-1/4		5-3/4		6-1/4		6-3/4		9	1/4	7/8	8	6	1/2	1/2	1/4	1/4	1/4	1/4	1/4	5 x 5 x 1/2	6	7/8	4	

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-1	2	12	2	1/2	2	3-1/4	5/16	5/16	5/16	1/4	3	6	23	6	5	0	19 / 11	7	4	32	6-3/4
OHC-2	2-1/4	10	2	1/2	2	7	5/16	5/16	5/16	1/4	4	0	23	6	5	0	19 / 11	7	4	32	6-3/4
OHC-3	2	12	2	1/2	2	3-1/4	5/16	5/16	5/16	1/4	3	6	21	6	5	0	19 / 11	7	4	28	6-3/4
OHC-4	1-3/4	12	2	1/2	1	11-1/2	5/16	5/16	5/16	1/4	3	4	18	6	5	0	19 / 11	7	4	23	6-3/4
OHC-5	1-3/4	10	2	1/2	1	11-1/2	5/16	5/16	5/16	1/4	3	4	21	6	5	0	19 / 11	7	4	28	6-3/4
OHC-6	2	10	2	1/2	2	3-1/4	5/16	5/16	5/16	1/4	3	6	20	6	5	0	19 / 11	7	4	26	6-3/4

REVISIONS				AECOM Technical Services, Inc. 150 North Orange Avenue Suite 200 Orlando, FL 32801 Brian T. Chunn, P.E. No. 56769	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			CANTILEVER SIGN STRUCTURES DATA TABLE	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					SR 400	ORANGE	441113-1-52-01		S-52

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.	STATION	DIMENSIONS			PANELS	MEMBER SIZES			BACKRAKE		
		A	B		C	N	D (CHORD)		E (WEB)	F (UPRIGHT)	G
		ft	ft	in	in	#	O. D. x Wall Thk. (in)		Angle (in)	O. D. x Wall Thk. (in)	in
OHC-7	690+80.00 / 119.70' LT	22.7500	6	4-1/2	60	7	5.56 x 0.375		3-1/2 x 3-1/2 x 3/8	24.00 x 0.562	5.5751
OHC-8	717+00.00 / 117.73' LT	25.7500	6	1/2	60	6	4.50 x 0.337		3 x 3 x 5/16	24.00 x 0.562	4.0590
OHC-9	743+40.00 / 105.49' LT	25.2500	7	1-3/4	60	7	5.56 x 0.375		3-1/2 x 3-1/2 x 3/8	24.00 x 0.750	6.7297
OHC-10	7068+98.00 / 14.57' RT	21.2500	7	3/4	60	7	5.56 x 0.375		3-1/2 x 3-1/2 x 3/8	24.00 x 0.750	5.0659
OHC-11	7093+01.00 / 14.25' RT	21.0000	5	9	60	6	4.50 x 0.237		2-1/2 x 2-1/2 x 1/4	20.00 x 0.500	3.9425
OHC-12	113+93.00 / 70.36' LT	26.7500	5	11	60	7	5.56 x 0.375		3-1/2 x 3-1/2 x 3/8	24.00 x 0.750	5.5744

- NOTES:
1. Work these Data Tables with Index 700-040.
  2. Design Wind Speed = 150 mph.
  3. Upright wall thickness given is a minimum dimension.

- FOUNDATION NOTES:
1. Design based on Borings taken sealed by Ardaman & Associates, Inc. Dated: 04-06-2020
  2. Assumptions and Values used in design:  
 Soil Type = Sand  
 Soil Layer Thickness = Full Depth of Shaft  
 Soil Friction Angle = Varies. See Geotech Report.  
 Soil Weight = Varies. See Geotech Report.  
 Design Water Table is 0 ft. below surface

CANTILEVER SIGN STRUCTURES DATA TABLE (CONT.)																							Table Date 01-01-11									
SIGN NO.	GUSSET PLATES												TRUSS CONNECTION								SPLICE											
	GA	GB	GC		GD		GE		GF		GG		GH		GJ		GK	TA	TB	TC	TD	TE	TF	TG	TH	TJ	SA	SB	SC	SD		
	in	in	ft	in	ft	in	ft	in	ft	in	ft	in	ft	in	ft	in	in	in	#	#	in	in	in	in	in	in	in	Angle (in)	#	in	#	
OHC-7	3/8	3/4	1	2-1/4		6-3/4	1	0		5-3/4		6-1/2		6-1/2		9-1/2	1/4	7/8	8	6	1/2	1/2	1/4	1/4	1/4	1/4	1/4	1/4	5 x 5 x 1/2	6	7/8	4
OHC-8	3/8	3/4	1	3/4		6-1/2		10-3/4		5-1/2		6-1/4		6-1/2		8-1/2	1/4	7/8	6	6	1/2	1/2	1/4	1/4	1/4	1/4	NO SPLICE	NA	NA	NA		
OHC-9	3/8	3/4	1	3-1/2		6-3/4	1	1		5-1/2		7		6		10-1/4	1/4	7/8	10	6	1/2	1/2	5/16	1/4	1/4	1/4	5 x 5 x 1/2	6	7/8	3		
OHC-10	3/8	3/4	1	3-1/4		6-3/4	1	3/4		5-1/2		7		6		10-1/4	1/4	7/8	10	6	1/2	1/2	5/16	1/4	1/4	1/4	5 x 5 x 1/2	6	7/8	3		
OHC-11	3/8	3/4	1	0		6-1/4		10		5-1/2		7-1/4		6		8	1/4	7/8	6	6	1/2	1/2	1/4	1/4	1/4	1/4	NO SPLICE	NA	NA	NA		
OHC-12	3/8	3/4	1	1-3/4		6-3/4		11-1/2		5-3/4		6-1/4		6-1/2		9	1/4	7/8	8	6	1/2	1/2	5/16	1/4	1/4	1/4	5 x 5 x 1/2	6	7/8	4		

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	12	2	1/2	2	3-1/4	5/16	5/16	5/16	1/4	3	6	19	0	5	0	19 / 11	7	4	24	6-3/4
OHC-8	2	10	2	1/2	2	3-1/4	5/16	5/16	5/16	1/4	3	6	18	6	5	0	19 / 11	7	4	23	6-3/4
OHC-9	2	12	2	1/2	2	3-1/4	5/16	5/16	5/16	1/4	3	6	24	0	5	0	19 / 11	7	4	33	6-3/4
OHC-10	2-1/4	10	2	1/2	2	7	5/16	5/16	5/16	1/4	4	0	27	9	5	0	19 / 11	7	4	39	6-3/4
OHC-11	1-3/4	10	2	1/2	1	11-1/2	5/16	5/16	5/16	1/4	3	4	25	3	5	0	19 / 11	7	4	35	6-3/4
OHC-12*	2	12	2	1/2	2	3-1/4	5/16	5/16	5/16	1/4	3	6	66	0	5	0	19 / 11	***	***	***	***

\* Note that the OHC-12 Sign Structure Pole will be installed adjacent to an existing MSE wall supporting Daryl Carter Parkway. To ensure that construction of the drilled shaft foundations at this location do not compromise the stability of the MSE wall, a permanent steel casing shall be installed as shown in the drilled shaft details provided in the plans.

\*\*Horizontal Tie Bars in Foundation for OHC-12 shall be #6 Bars with a 3'-1" Lap  
 \*\*\*For stirrup spacing and other details, see Sheet "Sign Structure Foundation Details" (OHC-12)

REVISIONS				AECOM Technical Services, Inc. 150 North Orange Avenue Suite 200 Orlando, FL 32801 Brian T. Chunn, P.E. No. 56769	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			CANTILEVER SIGN STRUCTURES DATA TABLE	SHEET NO. S-53
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					SR 400	ORANGE	441113-1-52-01		

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.	STATION	DIMENSIONS				PANELS	MEMBER SIZES			BACKRAKE	
		A	B		C	N	D (CHORD)		E (WEB)	F (UPRIGHT)	G
		ft	ft	in	in	#	O. D. x Wall Thk. (in)		Angle (in)	O. D. x Wall Thk. (in)	in
OHC-13	685+43.00 / 111.54' RT	27.2500	8	4	84	6	8.63 x 0.500		4 x 4 x 1/2	36.00 x 0.750	5.0431

- NOTES:
1. Work these Data Tables with Index 700-040.
  2. Design Wind Speed = 150 mph.
  3. Upright wall thickness given is a minimum dimension.

- FOUNDATION NOTES:
1. Design based on Borings taken sealed by Ardaman & Associates, Inc. Dated: 04-06-2020
  2. Assumptions and Values used in design:  
 Soil Type = Sand  
 Soil Layer Thickness = Full Depth of Shaft  
 Soil Friction Angle = Varies. See Geotech Report.  
 Soil Weight = Varies. See Geotech Report.  
 Design Water Table is 0 ft. below surface

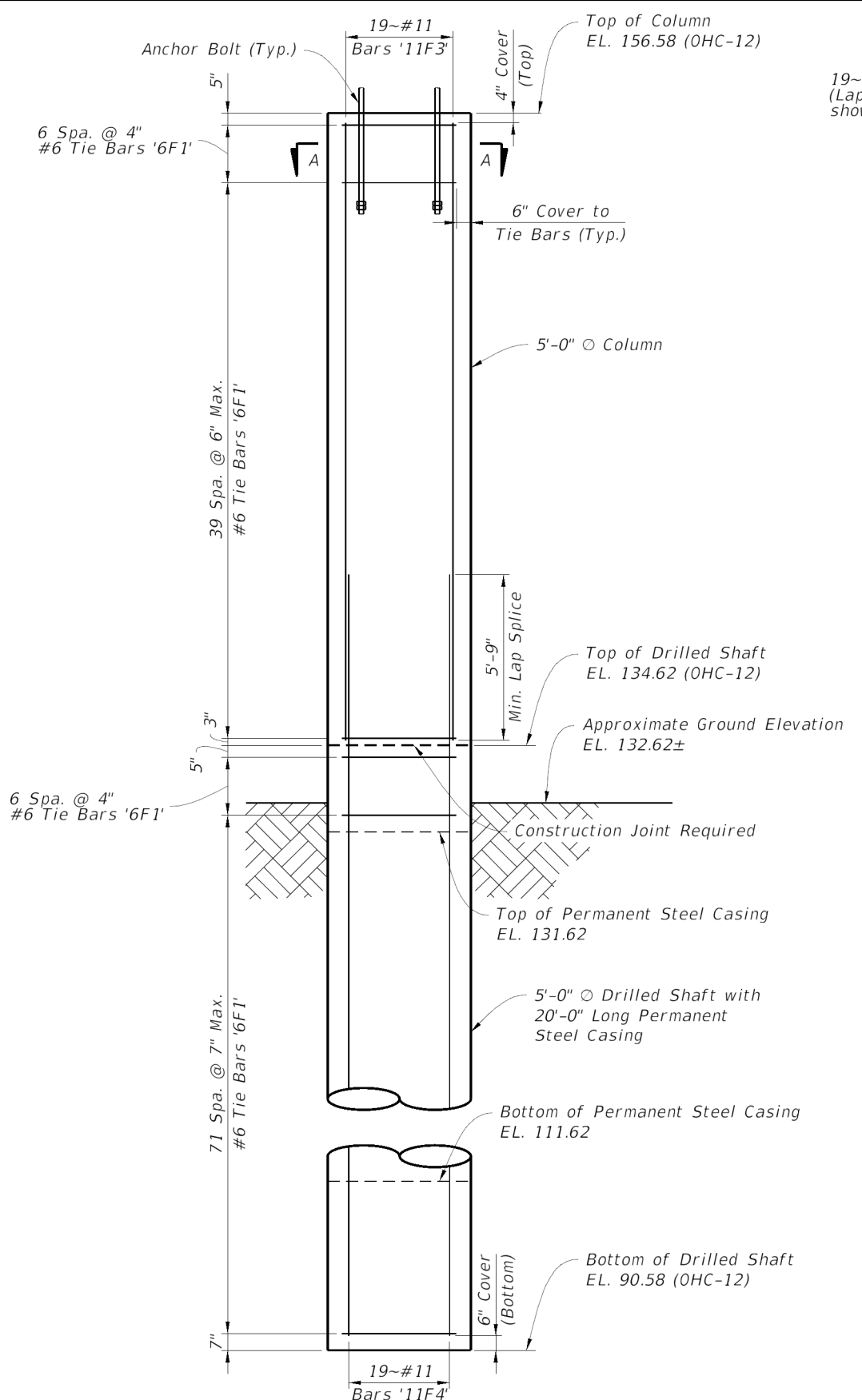
CANTILEVER SIGN STRUCTURES DATA TABLE (CONT.)																								Table Date 01-01-11							
SIGN NO.	GUSSET PLATES														TRUSS CONNECTION						SPLICE										
	GA	GB	GC		GD		GE		GF		GG		GH		GJ		GK	TA	TB	TC	TD	TE	TF	TG	TH	TJ	SA	SB	SC	SD	
	in	in	ft	in	ft	in	ft	in	ft	in	ft	in	ft	in	ft	in	in	in	#	#	in	in	in	in	in	in	in	Angle (in)	#	in	#
OHC-13	1/2	3/4	1	4	7	1	1-1/2	6	9-1/4	5-1/2	11	1/4	7/8	12	8	5/8	1/2	5/16	1/4	1/4	1/4	1/4	1/4	1/4	1/4	8 x 8 x 1/2	6	1	3		

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-13	2-1/2	12	2	1/2	2	10-3/4	5/16	5/16	5/16	1/4	4	4	29	9	6	0	19 / 14	7	4	43	6-3/4

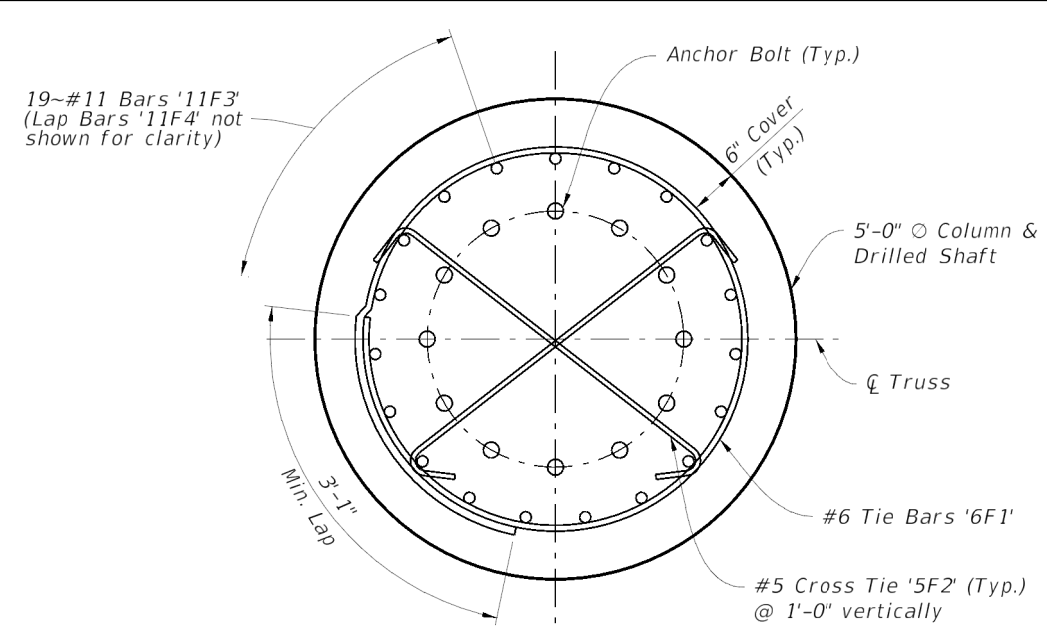
\*Note:  
Horizontal Tie Bars in Foundation for OHC-13 shall be #6 Bars with a 3'-1" Lap.

<table border="1"> <thead> <tr> <th colspan="4">REVISIONS</th> </tr> <tr> <th>DATE</th> <th>DESCRIPTION</th> <th>DATE</th> <th>DESCRIPTION</th> </tr> </thead> <tbody> <tr> <td> </td> <td> </td> <td> </td> <td> </td> </tr> </tbody> </table>				REVISIONS				DATE	DESCRIPTION	DATE	DESCRIPTION					AECOM Technical Services, Inc. 150 North Orange Avenue Suite 200 Orlando, FL 32801 Brian T. Chunn, P.E. No. 56769				STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION <table border="1"> <tr> <th>ROAD NO.</th> <th>COUNTY</th> <th>FINANCIAL PROJECT ID</th> </tr> <tr> <td>SR 400</td> <td>ORANGE</td> <td>441113-1-52-01</td> </tr> </table>				ROAD NO.	COUNTY	FINANCIAL PROJECT ID	SR 400	ORANGE	441113-1-52-01	<b>CANTILEVER SIGN STRUCTURES DATA TABLE</b>				SHEET NO. <b>S-54</b>	
REVISIONS																																			
DATE	DESCRIPTION	DATE	DESCRIPTION																																
ROAD NO.	COUNTY	FINANCIAL PROJECT ID																																	
SR 400	ORANGE	441113-1-52-01																																	

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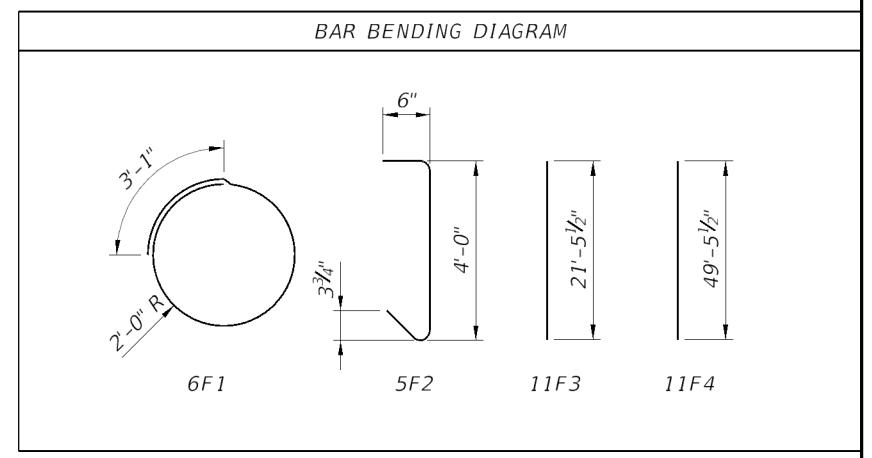
**ELEVATION OHC-12 COLUMN & DRILLED SHAFT**  
 (#5 Cross Tie '5F2' Bars Not Shown for Clarity)



**SECTION A-A**

**Notes:**

1. For Sign Structure, Drilled Shaft, and Anchor Bolt Details refer to Sheet "Cantilever Sign Structures Data Table" and Standard Index 700-040.
2. The top surface of the Drilled Shaft shall be intentionally roughened to a 1/4" minimum amplitude.
3. Two #5 Cross Tie Bars shall be placed only in the Column and in the same plane as the #6 Ties as shown in Plan View. The lap location of the #6 Tie shall be varied along the Column.
4. The Contractor has the option of using staggered mechanical couplers from the QPL, capable of developing 125% of the specified yield strength of the Drilled Shaft longitudinal bar, rather than providing 5'-9" min. lap splice as shown. Couplers and layout shall be submitted and approved prior to construction. Clear cover shall be maintained.
5. The exposed Column and Drilled Shaft shall receive a Class 5 Finish. See "Surface Finish Details" and "Aesthetic Details," sheets B-7 & B-8 located in the Bridge Plans.
6. The Contractor shall utilize Class IV (Drilled Shaft) concrete for construction of the Sign Structure Columns and Drilled Shaft.
7. Reinforcing Steel shall meet the requirements of ASTM A615, Grade 60.
8. Contractor shall construct the Drilled Shaft with a permanent steel casing. Permanent steel casing shall be installed before drilling or excavation for the drilled shaft.
9. CSL access tubes are only intended for the Drill Shafts. Install CSL tubes to a point high enough above the top of the top of drilled shaft to allow for cross-hole-sonic-logging testing, but not less than 30 inches above the top of the drilled shaft.
10. Prior to constructing the drilled shaft, the Contractor shall coordinate with the CSL testing agency to ensure that neither vertical reinforcing lap splices nor possible mechanical couplers at the bottom of the Column will interfere with the CSL testing. Column Ties may need to be temporarily moved for CSL Testing.
11. The concrete Columns shall not be erected until any related cross-hole-sonic-logging testing is completed and accepted by the Owner. The concrete Columns shall not be erected until the concrete Drilled Shaft has been allowed to cure for a minimum of seven days, and concrete has achieved at least 75% of its 28-day compressive strength.
12. Payment for the concrete Column, Drilled Shaft, and other incidental related items shall be included in the pay item for the complete Cantilever Sign Structure.
13. Layers of very dense materials were encountered in the borings performed at this site. Such materials may make shaft excavations and/or casing installation difficult. Specialized equipment and/or procedures may be needed to facilitate shaft excavation and/or casing installation. Where casing is used, the casing tip should be reinforced and the casing thickness adequate to prevent casing damage/deformation during installation through hard layers.



REVISIONS				AECOM Technical Services, Inc. 150 North Orange Avenue Suite 200 Orlando, FL 32801 Brian T. Chunn, P.E. No. 56769	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			SIGN STRUCTURE FOUNDATION DETAILS	SHEET NO. S-55
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					SR 400	ORANGE	441113-1-52-01		

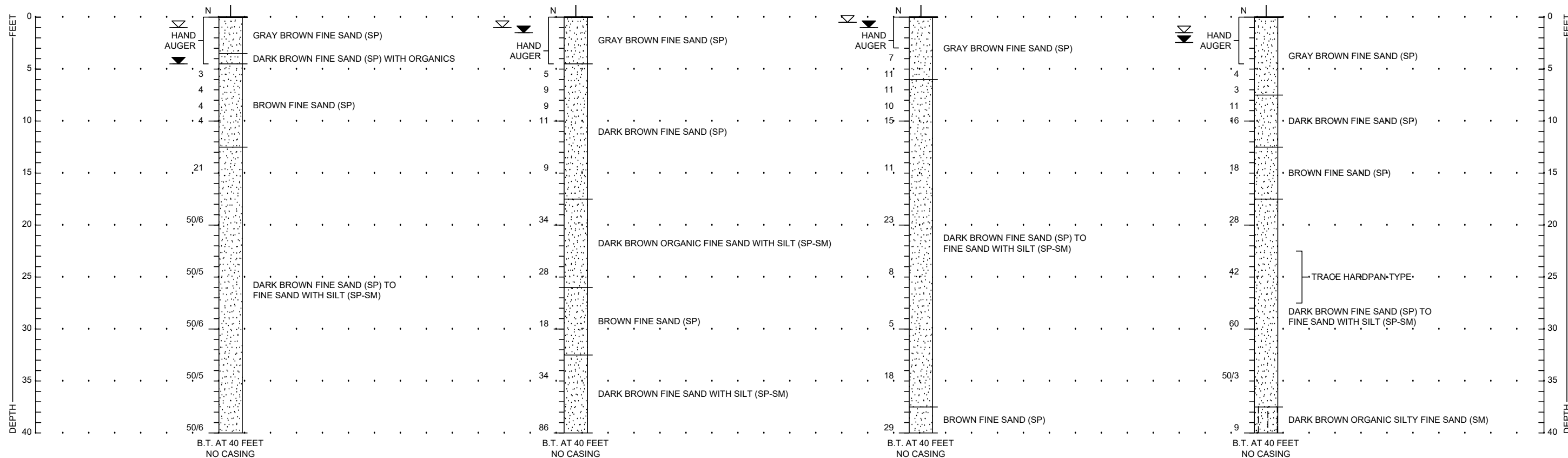
THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

BORING: **S-1**  
 DATE: 09/09/19  
 STATION: 579+80  
 OFFSET: 105R  
 SIGN: GS-2  
 LATITUDE/LONGITUDE: 28.382384°/-81.499831°

BORING: **S-2**  
 DATE: 09/09/19  
 STATION: 597+20  
 OFFSET: 105R  
 SIGN: GS-3  
 LATITUDE/LONGITUDE: 28.386130°/-81.496470°

BORING: **S-3**  
 DATE: 08/27/19  
 STATION: 626+50  
 OFFSET: 110R  
 SIGN: GS-6  
 LATITUDE/LONGITUDE: 28.392430°/-81.490798°

BORING: **S-4**  
 DATE: 09/09/19  
 STATION: 634+75  
 OFFSET: 120R  
 SIGN: GS-8  
 LATITUDE/LONGITUDE: 28.394193°/-81.489179°



**LEGEND**

FINE SAND      SILTY FINE SAND

**S** STANDARD PENETRATION TEST (SPT) BORING  
**N** STANDARD PENETRATION RESISTANCE IN BLOWS PER FOOT  
 GROUNDWATER LEVEL MEASURED ON DATE DRILLED  
 ESTIMATED NORMAL SEASONAL HIGH GROUNDWATER LEVEL  
**GNE** GROUNDWATER NOT ENCOUNTERED ON DATE DRILLED  
**50/3** 50 BLOWS FOR 3-INCHES PENETRATION INTO SOIL  
**SP,SP-SM** UNIFIED SOIL CLASSIFICATION SYSTEM (ASTM D-2487)  
**SM,SC,CH**

- NOTES:**
- UPON COMPLETION OF EACH BORING, THE BOREHOLE WAS GROUTED WITH PORTLAND CEMENT GROUT.
  - BORING TERMINATION DEPTH BELOW GROUND SURFACE.
  - BORING LATITUDE AND LONGITUDE OBTAINED USING HANDHELD GPS.
  - BORING STATION/OFFSET REFERENCED TO BASELINE SURVEY SR 400.
  - ARTESIAN CONDITIONS WERE NOT NOTED BY THE DRILLERS DURING BOREHOLE DRILLING. HOWEVER, BASED ON REVIEW OF THE POTENTIOMETRIC MAPS OF THE AREA, IF THE CONTRACTOR SHOULD ENCOUNTERED ARTESIAN CONDITIONS DURING CONSTRUCTION, THE ESTIMATED ELEVATION OF THE ARTESIAN HEAD IS APPROXIMATELY +50 FEET NGVD 29. THE CONTRACTOR SHALL BE PREPARED TO HANDLE ARTESIAN WATER LEVELS UP TO +50 FEET NGVD 29.
  - LAYERS OF VERY HARD MATERIALS MAY BE ENCOUNTERED AT THIS SITE. SUCH MATERIALS MAY MAKE SHAFT EXCAVATIONS AND/OR CASING INSTALLATION DIFFICULT. THE CONTRACTOR SHALL EXPECT TO ENCOUNTER THESE TYPE MATERIALS AT ALL SHAFT LOCATIONS AND SHALL USE SPECIALIZED EQUIPMENT AND/OR PROCEDURES AS NECESSARY TO FACILITATE SHAFT EXCAVATION AND/OR CASING INSTALLATION. WHEN CASING IS USED; THE CASING TIP SHALL BE REINFORCED AND THE CASING THICKNESS SHALL BE ADEQUATE TO PREVENT CASING DAMAGE/DEFORMATION DURING INSTALLATION THROUGH HARD LAYERS.

**ENGINEERING CLASSIFICATION**

I GRANULAR MATERIALS		
RELATIVE DENSITY	AUTOMATIC HAMMER SPT N-VALUE (BLOW/FOOT)	
VERY LOOSE	<3	
LOOSE	3 TO 8	
MEDIUM	8 TO 24	
DENSE	24 TO 40	
VERY DENSE	>40	
II SILTS AND CLAYS		
CONSISTENCY	UNCONFINED COMPRESSIVE STRENGTH, QU, TSF	AUTOMATIC HAMMER SPT N-VALUE (BLOW/FOOT)
VERY SOFT	<1/4	<1
SOFT	1/4 TO 1/2	1 TO 3
FIRM	1/2 TO 1	3 TO 6
STIFF	1 TO 2	6 TO 12
VERY STIFF	2 TO 4	12 TO 24
HARD	>4	>24

**STANDARD PENETRATION TEST DATA:**  
 SPOON I.D.= 1.375"  
 SPOON O.D.= 2.0"  
 HAMMER DROP= 30"  
 HAMMER WEIGHT= 140 lbs.  
 HAMMER TYPE= AUTOMATIC

WHILE THIS BORING IS REPRESENTATIVE OF SUBSURFACE CONDITIONS AT THIS RESPECTIVE LOCATION AND FOR THIS RESPECTIVE VERTICAL REACH, LOCAL VARIATIONS CHARACTERISTIC OF THE SUBSURFACE MATERIALS OF THE REGION ARE ANTICIPATED AND MAY BE ENCOUNTERED. THE BORING LOG AND RELATED INFORMATION ARE BASED ON THE DRILLER'S LOGS AND VISUAL EXAMINATION OF SELECTED SAMPLES IN THE LABORATORY. THE DELINEATION BETWEEN SOIL TYPES SHOWN ON THE LOG IS APPROXIMATE AND THE DESCRIPTION REPRESENTS OUR INTERPRETATION OF SUBSURFACE CONDITIONS AT THE DESIGNATED BORING LOCATION ON THE PARTICULAR DATE DRILLED.

GROUNDWATER ELEVATIONS SHOWN ON THE BORING LOGS REPRESENT GROUNDWATER SURFACES ENCOUNTERED ON THE DATES SHOWN. FLUCTUATIONS IN WATER TABLE LEVELS SHOULD BE ANTICIPATED THROUGHOUT THE YEAR.

REVISIONS						DRAWN BY: STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			SHEET TITLE: REPORT OF SPT BORINGS FOR SIGN STRUCTURES		REF. DWG. NO.
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION	ROAD NO.	COUNTY	FINANCIAL PROJECT ID	PROJECT NAME:	SHEET NO.	
						400	ORANGE	441113-1-52-01	I-4 BEYOND THE ULTIMATE DARYL CARTER INTERCHANGE	S-56	

**Ardaman & Associates, Inc.**  
 8008 S. Orange Avenue  
 Orlando, FL 32809  
 E.O.R.-Zan C. Bates, P.E. NO. 49917  
 Certificate of Authorization: 5950

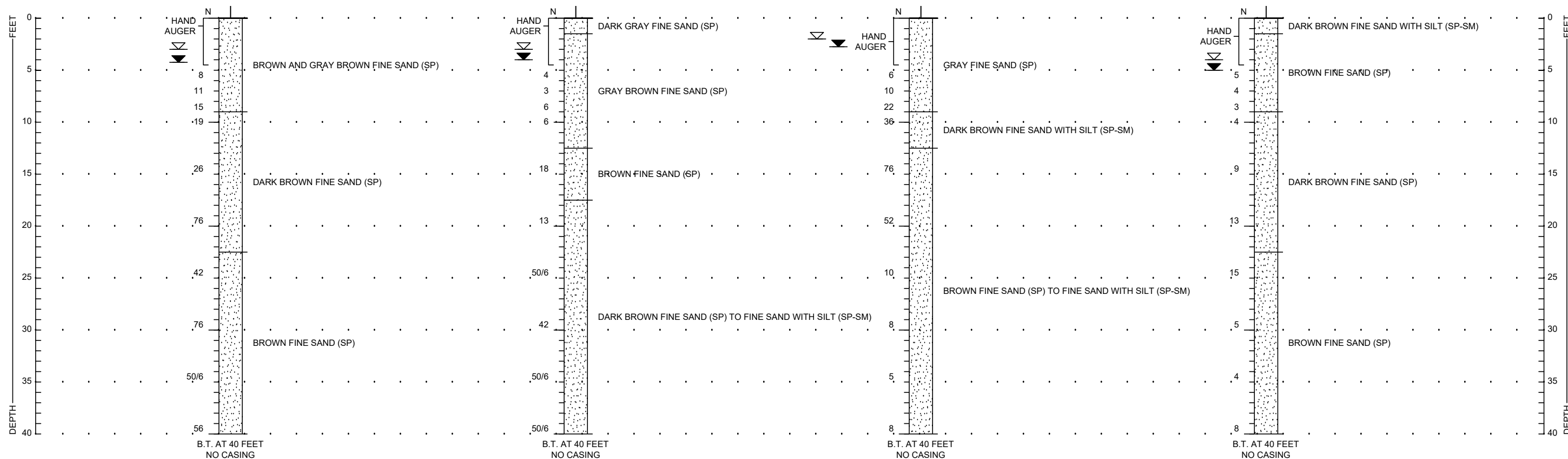
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BORING: **S-5**  
 DATE: 08/28/19  
 STATION: 659+40  
 OFFSET: 110R  
 SIGN: GS-10  
 LATITUDE/LONGITUDE: 28.399526°/-81.484445°

BORING: **S-6**  
 DATE: 08/26/19  
 STATION: 660+70  
 OFFSET: 105L  
 SIGN: GS-18/GS-19  
 LATITUDE/LONGITUDE: 28.400168°/-81.484715°

BORING: **S-7**  
 DATE: 08/28/19  
 STATION: 673+35  
 OFFSET: 120R  
 SIGN: GS-11  
 LATITUDE/LONGITUDE: 28.402516°/-81.481724°

BORING: **S-8**  
 DATE: 09/05/19  
 STATION: 684+75  
 OFFSET: 170L  
 SIGN: GS-15  
 LATITUDE/LONGITUDE: 28.405469°/-81.480229°



**LEGEND**



FINE SAND

- S** STANDARD PENETRATION TEST (SPT) BORING
- N** STANDARD PENETRATION RESISTANCE IN BLOWS PER FOOT
- GROUNDWATER LEVEL MEASURED ON DATE DRILLED
- ESTIMATED NORMAL SEASONAL HIGH GROUNDWATER LEVEL
- GNE** GROUNDWATER NOT ENCOUNTERED ON DATE DRILLED
- 50/3** 50 BLOWS FOR 3-INCHES PENETRATION INTO SOIL
- SP,SP-SM** UNIFIED SOIL CLASSIFICATION SYSTEM (ASTM D-2487)
- SM,SC,CH** UNIFIED SOIL CLASSIFICATION SYSTEM (ASTM D-2487)

**NOTES:**

- 1) UPON COMPLETION OF EACH BORING, THE BOREHOLE WAS GROUTED WITH PORTLAND CEMENT GROUT.
- 2) BORING TERMINATION DEPTH BELOW GROUND SURFACE.
- 3) BORING LATITUDE AND LONGITUDE OBTAINED USING HANDHELD GPS.
- 4) BORING STATION/OFFSET REFERENCED TO BASELINE SURVEY SR 400.
- 5) ARTESIAN CONDITIONS WERE NOT NOTED BY THE DRILLERS DURING BOREHOLE DRILLING. HOWEVER, BASED ON REVIEW OF THE POTENTIOMETRIC MAPS OF THE AREA, IF THE CONTRACTOR SHOULD ENCOUNTERED ARTESIAN CONDITIONS DURING CONSTRUCTION, THE ESTIMATED ELEVATION OF THE ARTESIAN HEAD IS APPROXIMATELY +50 FEET NGVD 29. THE CONTRACTOR SHALL BE PREPARED TO HANDLE ARTESIAN WATER LEVELS UP TO +50 FEET NGVD 29.
- 6) LAYERS OF VERY HARD MATERIALS MAY BE ENCOUNTERED AT THIS SITE. SUCH MATERIALS MAY MAKE SHAFT EXCAVATIONS AND/OR CASING INSTALLATION DIFFICULT. THE CONTRACTOR SHALL EXPECT TO ENCOUNTER THESE TYPE MATERIALS AT ALL SHAFT LOCATIONS AND SHALL USE SPECIALIZED EQUIPMENT AND/OR PROCEDURES AS NECESSARY TO FACILITATE SHAFT EXCAVATION AND/OR CASING INSTALLATION. WHEN CASING IS USED, THE CASING TIP SHALL BE REINFORCED AND THE CASING THICKNESS SHALL BE ADEQUATE TO PREVENT CASING DAMAGE/DEFORMATION DURING INSTALLATION THROUGH HARD LAYERS.

**ENGINEERING CLASSIFICATION**

I GRANULAR MATERIALS		
RELATIVE DENSITY	AUTOMATIC HAMMER SPT N-VALUE (BLOW/FOOT)	
VERY LOOSE	<3	
LOOSE	3 TO 8	
MEDIUM	8 TO 24	
DENSE	24 TO 40	
VERY DENSE	>40	
II SILTS AND CLAYS		
CONSISTENCY	UNCONFINED COMPRESSIVE STRENGTH, QU, TSF	AUTOMATIC HAMMER SPT N-VALUE (BLOW/FOOT)
VERY SOFT	<1/4	<1
SOFT	1/4 TO 1/2	1 TO 3
FIRM	1/2 TO 1	3 TO 6
STIFF	1 TO 2	6 TO 12
VERY STIFF	2 TO 4	12 TO 24
HARD	>4	>24

**STANDARD PENETRATION TEST DATA:**

SPOON I.D.= 1.375"  
 SPOON O.D.= 2.0"  
 HAMMER DROP= 30"  
 HAMMER WEIGHT= 140 lbs.  
 HAMMER TYPE= AUTOMATIC

WHILE THIS BORING IS REPRESENTATIVE OF SUBSURFACE CONDITIONS AT THIS RESPECTIVE LOCATION AND FOR THIS RESPECTIVE VERTICAL REACH, LOCAL VARIATIONS CHARACTERISTIC OF THE SUBSURFACE MATERIALS OF THE REGION ARE ANTICIPATED AND MAY BE ENCOUNTERED. THE BORING LOG AND RELATED INFORMATION ARE BASED ON THE DRILLER'S LOGS AND VISUAL EXAMINATION OF SELECTED SAMPLES IN THE LABORATORY. THE DELINEATION BETWEEN SOIL TYPES SHOWN ON THE LOG IS APPROXIMATE AND THE DESCRIPTION REPRESENTS OUR INTERPRETATION OF SUBSURFACE CONDITIONS AT THE DESIGNATED BORING LOCATION ON THE PARTICULAR DATE DRILLED.

GROUNDWATER ELEVATIONS SHOWN ON THE BORING LOGS REPRESENT GROUNDWATER SURFACES ENCOUNTERED ON THE DATES SHOWN. FLUCTUATIONS IN WATER TABLE LEVELS SHOULD BE ANTICIPATED THROUGHOUT THE YEAR.

**REVISIONS**

DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

**Ardaman & Associates, Inc.**  
 8008 S. Orange Avenue  
 Orlando, FL 32809  
 E.O.R.-Zan C. Bates, P.E. NO. 49917  
 Certificate of Authorization: 5950

DRAWN BY:	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			SHEET TITLE:	REPORT OF SPT BORINGS FOR SIGN STRUCTURES	REF. DWG. NO.
CHECKED BY:				PROJECT NAME:	I-4 BEYOND THE ULTIMATE DARYL CARTER INTERCHANGE	SHEET NO.
DESIGNED BY:	ROAD NO.	COUNTY	FINANCIAL PROJECT ID			
CHECKED BY:	400	ORANGE	441113-1-52-01	S-57		

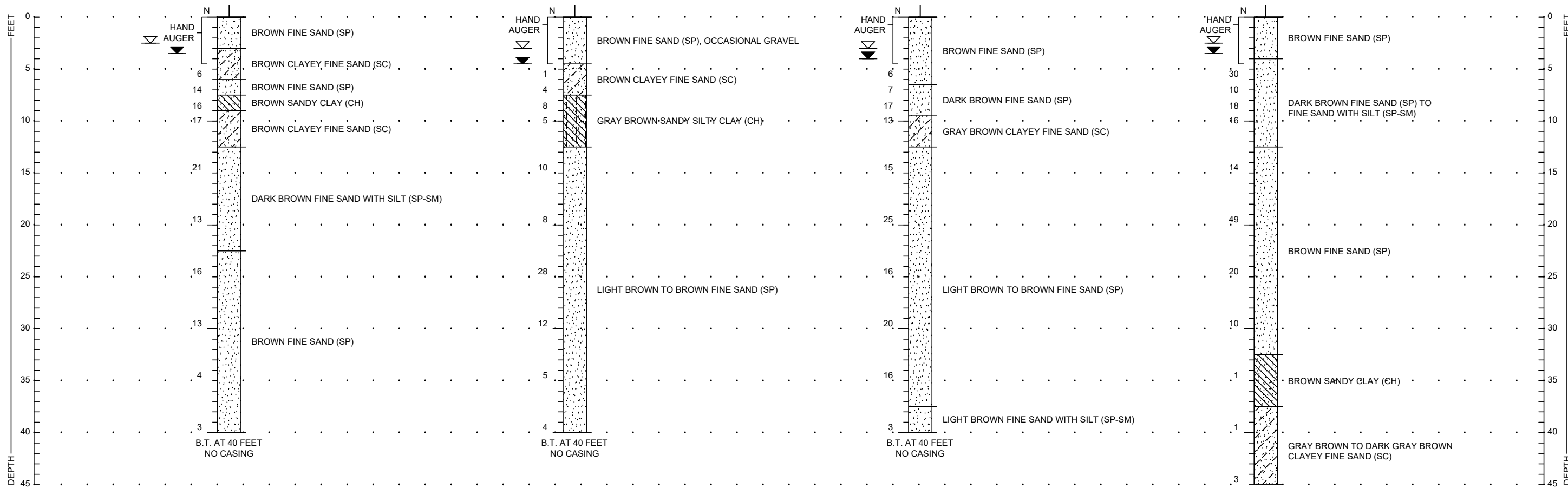
THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

BORING: **S-9L**  
 DATE: 08/30/19  
 STATION: 685+40  
 OFFSET: 10L  
 SIGN: GS-12/GS-13  
 LATITUDE/LONGITUDE: 28.405335°/-81.479713°

BORING: **S-9R**  
 DATE: 08/29/19  
 STATION: 685+40  
 OFFSET: 105R  
 SIGN: GS-12/GS-13  
 LATITUDE/LONGITUDE: 28.405140°/-81.479433°

BORING: **S-10**  
 DATE: 09/05/19  
 STATION: 690+80  
 OFFSET: 120L  
 SIGN: GS-6  
 LATITUDE/LONGITUDE: 28.406682°/-81.478940°

BORING: **S-11**  
 DATE: 08/23/19  
 STATION: 717+00  
 OFFSET: 120L  
 SIGN: GS-21  
 LATITUDE/LONGITUDE: 28.412614°/-81.474766°



**LEGEND**



- S** STANDARD PENETRATION TEST (SPT) BORING
- N** STANDARD PENETRATION RESISTANCE IN BLOWS PER FOOT
- GROUNDWATER LEVEL MEASURED ON DATE DRILLED
- ESTIMATED NORMAL SEASONAL HIGH GROUNDWATER LEVEL
- GNE** GROUNDWATER NOT ENCOUNTERED ON DATE DRILLED
- 50/3** 50 BLOWS FOR 3-INCHES PENETRATION INTO SOIL
- SP, SP-SM** UNIFIED SOIL CLASSIFICATION SYSTEM (ASTM D-2487)
- SM, SC, CH**

**NOTES:**

- 1) UPON COMPLETION OF EACH BORING, THE BOREHOLE WAS GROUTED WITH PORTLAND CEMENT GROUT.
- 2) BORING TERMINATION DEPTH BELOW GROUND SURFACE.
- 3) BORING LATITUDE AND LONGITUDE OBTAINED USING HANDHELD GPS.
- 4) BORING STATION/OFFSET REFERENCED TO BASELINE SURVEY SR 400.
- 5) ARTESIAN CONDITIONS WERE NOT NOTED BY THE DRILLERS DURING BOREHOLE DRILLING. HOWEVER, BASED ON REVIEW OF THE POTENTIOMETRIC MAPS OF THE AREA, IF THE CONTRACTOR SHOULD ENCOUNTERED ARTESIAN CONDITIONS DURING CONSTRUCTION, THE ESTIMATED ELEVATION OF THE ARTESIAN HEAD IS APPROXIMATELY +50 FEET NGVD 29. THE CONTRACTOR SHALL BE PREPARED TO HANDLE ARTESIAN WATER LEVELS UP TO +50 FEET NGVD 29.
- 6) LAYERS OF VERY HARD MATERIALS MAY BE ENCOUNTERED AT THIS SITE. SUCH MATERIALS MAY MAKE SHAFT EXCAVATIONS AND/OR CASING INSTALLATION DIFFICULT. THE CONTRACTOR SHALL EXPECT TO ENCOUNTER THESE TYPE MATERIALS AT ALL SHAFT LOCATIONS AND SHALL USE SPECIALIZED EQUIPMENT AND/OR PROCEDURES AS NECESSARY TO FACILITATE SHAFT EXCAVATION AND/OR CASING INSTALLATION. WHEN CASING IS USED, THE CASING TIP SHALL BE REINFORCED AND THE CASING THICKNESS SHALL BE ADEQUATE TO PREVENT CASING DAMAGE/DEFORMATION DURING INSTALLATION THROUGH HARD LAYERS.

**ENGINEERING CLASSIFICATION**

I GRANULAR MATERIALS		
RELATIVE DENSITY	AUTOMATIC HAMMER SPT N-VALUE (BLOW/FOOT)	
VERY LOOSE	<3	
LOOSE	3 TO 8	
MEDIUM	8 TO 24	
DENSE	24 TO 40	
VERY DENSE	>40	
II SILTS AND CLAYS		
CONSISTENCY	UNCONFINED COMPRESSIVE STRENGTH, QU, TSF	AUTOMATIC HAMMER SPT N-VALUE (BLOW/FOOT)
VERY SOFT	<1/4	<1
SOFT	1/4 TO 1/2	1 TO 3
FIRM	1/2 TO 1	3 TO 6
STIFF	1 TO 2	6 TO 12
VERY STIFF	2 TO 4	12 TO 24
HARD	>4	>24

STANDARD PENETRATION TEST DATA:  
 SPOON I.D.= 1.375"  
 SPOON O.D.= 2.0"  
 HAMMER DROP= 30"  
 HAMMER WEIGHT= 140 lbs.  
 HAMMER TYPE= AUTOMATIC

WHILE THIS BORING IS REPRESENTATIVE OF SUBSURFACE CONDITIONS AT THIS RESPECTIVE LOCATION AND FOR THIS RESPECTIVE VERTICAL REACH, LOCAL VARIATIONS CHARACTERISTIC OF THE SUBSURFACE MATERIALS OF THE REGION ARE ANTICIPATED AND MAY BE ENCOUNTERED. THE BORING LOG AND RELATED INFORMATION ARE BASED ON THE DRILLER'S LOGS AND VISUAL EXAMINATION OF SELECTED SAMPLES IN THE LABORATORY. THE DELINEATION BETWEEN SOIL TYPES SHOWN ON THE LOG IS APPROXIMATE AND THE DESCRIPTION REPRESENTS OUR INTERPRETATION OF SUBSURFACE CONDITIONS AT THE DESIGNATED BORING LOCATION ON THE PARTICULAR DATE DRILLED.

GROUNDWATER ELEVATIONS SHOWN ON THE BORING LOGS REPRESENT GROUNDWATER SURFACES ENCOUNTERED ON THE DATES SHOWN. FLUCTUATIONS IN WATER TABLE LEVELS SHOULD BE ANTICIPATED THROUGHOUT THE YEAR.

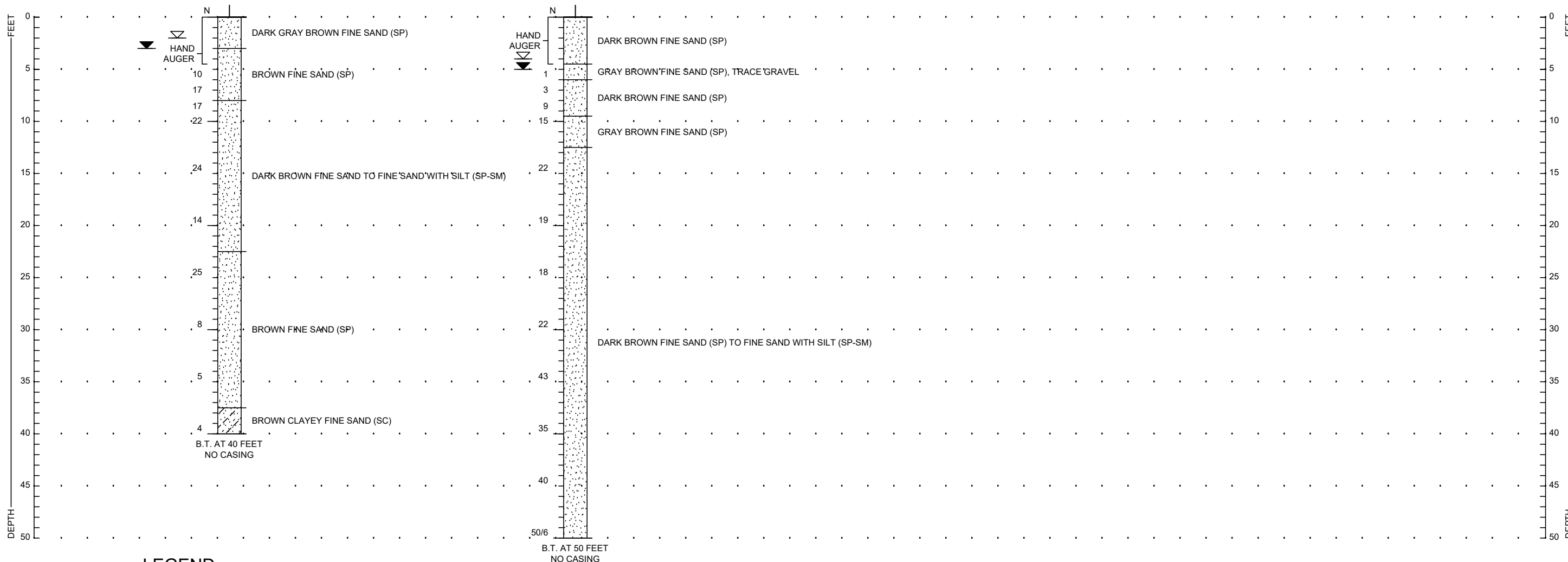
REVISIONS						DRAWN BY: <b>STATE OF FLORIDA</b> <b>DEPARTMENT OF TRANSPORTATION</b>	SHEET TITLE: <b>REPORT OF SPT BORINGS FOR SIGN STRUCTURES</b>	REF. DWG. NO.					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION								
									ROAD NO.	COUNTY	FINANCIAL PROJECT ID	PROJECT NAME:	SHEET NO.
									400	ORANGE	441113-1-52-01	<b>I-4 BEYOND THE ULTIMATE DARYL CARTER INTERCHANGE</b>	<b>S-58</b>

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BORING: **S-12**  
 DATE: 08/23/19  
 STATION: 743+40  
 OFFSET: 105L  
 SIGN: GS-22  
 LATITUDE/LONGITUDE: 28.419789°/-81.474551°

BORING: **S-13**  
 DATE: 08/28/19  
 STATION: 113+94  
 OFFSET: 70L  
 SIGN: GS-24  
 LATITUDE/LONGITUDE: 28.396419°/-81.486886°



**LEGEND**



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- N** STANDARD PENETRATION RESISTANCE IN BLOWS PER FOOT
- GROUNDWATER LEVEL MEASURED ON DATE DRILLED
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- SP,SP-SM** UNIFIED SOIL CLASSIFICATION SYSTEM (ASTM D-2487)
- SM,SC,CH**

- NOTES:**
- UPON COMPLETION OF EACH BORING, THE BOREHOLE WAS GROUTED WITH PORTLAND CEMENT GROUT.
  - BORING TERMINATION DEPTH BELOW GROUND SURFACE.
  - BORING LATITUDE AND LONGITUDE OBTAINED USING HANDHELD GPS.
  - BORING S-12 STATION/OFFSET REFERENCED TO BASELINE SURVEY SR 400. BORING S-13 STATION/OFFSET REFERENCED TO BASELINE DARYL CARTER PARKWAY.
  - ARTESIAN CONDITIONS WERE NOT NOTED BY THE DRILLERS DURING BOREHOLE DRILLING. HOWEVER, BASED ON REVIEW OF THE POTENTIOMETRIC MAPS OF THE AREA, IF THE CONTRACTOR SHOULD ENCOUNTERED ARTESIAN CONDITIONS DURING CONSTRUCTION, THE ESTIMATED ELEVATION OF THE ARTESIAN HEAD IS APPROXIMATELY +50 FEET NGVD 29. THE CONTRACTOR SHALL BE PREPARED TO HANDLE ARTESIAN WATER LEVELS UP TO +50 FEET NGVD 29.
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