MANATEE COUNTY PUBLIC WORKS DEPARTMENT

CONTRACT PLANS

INDEX OF SIGNING AND PAVEMENT MARKING PLANS

SHEET DESCRIPTION

S-1 KEY SHEET
S-2 SIGNATURE SHEET
S-3 - S-4 TABULATION OF QU

S-3 - S-4 TABULATION OF QUANTITIES

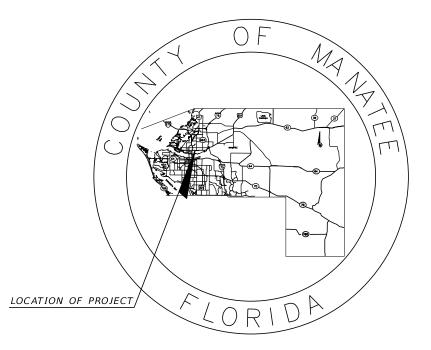
S-5 GENERAL NOTES

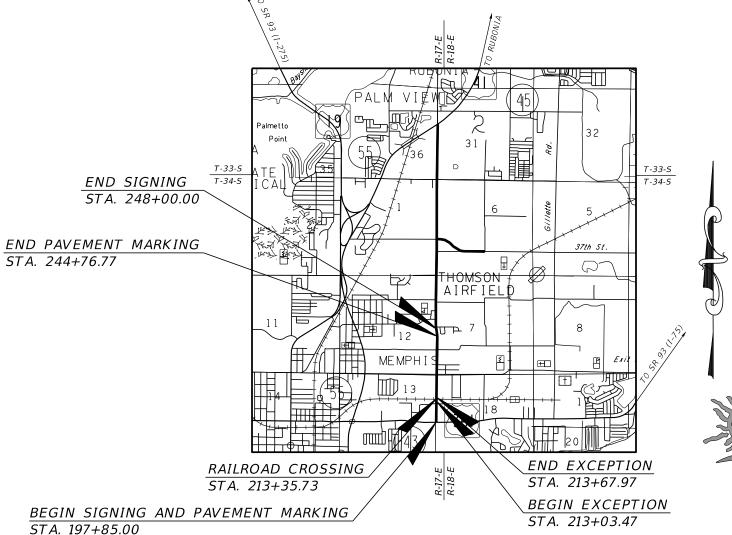
SHEET NO.

S-6 - S-13 SIGNING AND PAVEMENT MARKING PLAN

S-14 GUIDE SIGN WORKSHEET

MANATEE COUNTY
PROJECT NUMBER 6094360
CANAL ROAD (16TH AVENUE EAST)
SEGMENT 1 - US 301 TO 17TH STREET EAST
SIGNING AND PAVEMENT MARKING PLANS





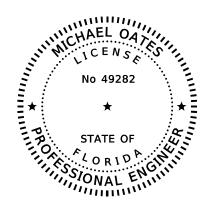
SIGNING AND PAVEMENT MARKING PLANS ENGINEER OF RECORD:

MICHAEL J. OATES, P.E. P.E. NO.: 49282 HDR ENGINEERING, INC. 2601 CATTLEMEN ROAD, SUITE 400 SARASOTA, FLORIDA 34232 VENDOR NO. 47-0680568

MANATEE CO. PROJECT MANAGER: MICHAEL L. STURM, P.E.

FISCAL YEAR	SHEET NO.
21	S-1

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THIS ITEM HAS BEEN DIGITALLY SIGNED AND SEALED BY:

ON THE DATE ADJACENT TO THE SEAL

PRINTED COPIES OF THIS DOCUMENT ARE NOT CONSIDERED SIGNED AND SEALED AND THE SIGNATURE MUST BE VERIFIED ON ANY ELECTRONIC COPIES.

HDR ENGINEERING, INC. 2601 CATTLEMEN ROAD, SUITE 400 SARASOTA, FLORIDA 34232-6212 MICHAEL OATES, P.E. NO. 49282

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

SHEET NO. SHEET DESCRIPTION

KEY SHEET 5-2

SIGNATURE SHEET

5-3 - 5-4 TABULATION OF QUANTITIES

GENERAL NOTES S-5

SIGNING AND PAVEMENT MARKING PLAN S-6 - S-13

GUIDE SIGN WORKSHEET S-14

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12/9/2021



HDR Engineering, Inc. 2601 Cattlemen Road Suite 400 Sarasota, FL 34232-6233

DATE 12/2021 PROJECT NO.

6094360



ANATEE	COUNTY WORKS	1
PUBLIC	WORKS	

DESIGN ENGINEER	
MICHAEL J. OATES	
FL. LICENSE NO.	

49282

SIGNATURE SHEET

SHEET NO.

S-2

TABULATION OF QUANTITIES

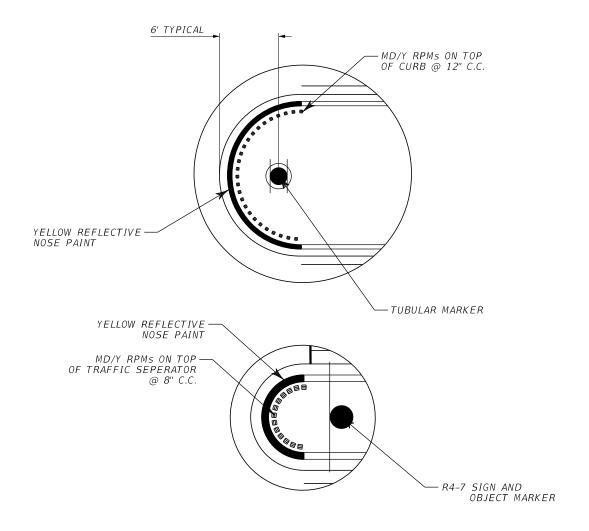
700-1-12	DESCRIPTION SINGLE POST SIGN, F&I GROUND MOUNT, UP TO 12 SF SINGLE POST SIGN, F&I GROUND MOUNT, 12-20 SF SINGLE POST SIGN, RELOCATE SINGLE POST SIGN, F&I CUSTOM, 31+ SF SUBULAR MARKER, DURABLE, 36" YELLOW POST SIGN PAVEMENT MARKER, TYPE 1 SAISED PAVEMENT MARKER, TYPE B (WHITE/RED)	AS AS AS AS EA	5 -		S-7 PLAN FIN 3 2	S-8 AL PLAN FIN		S-9 N FINAL	S-10 PLAN FINAL	S- PLAN		S-12 PLAN FINAL		ĒT '	OTAL V FINAL
700-1-11	INGLE POST SIGN, F&I GROUND MOUNT, 12-20 SF INGLE POST SIGN, RELOCATE INGLE POST SIGN, F&I CUSTOM, 31+ SF UBULAR MARKER, DURABLE, 36" YELLOW POST BJECT MARKER, TYPE 1 AISED PAVEMENT MARKER, TYPE B (WHITE/RED)	AS AS AS EA	2	FINAL	3		VAL PLA	N FINAL 1		PLAN	FINAL	PLAN FINAL		FINAL PLAN	I FINAL
700-1-12	INGLE POST SIGN, F&I GROUND MOUNT, 12-20 SF INGLE POST SIGN, RELOCATE INGLE POST SIGN, F&I CUSTOM, 31+ SF UBULAR MARKER, DURABLE, 36" YELLOW POST BJECT MARKER, TYPE 1 AISED PAVEMENT MARKER, TYPE B (WHITE/RED)	AS AS AS EA	3		2	6		1	1 6						
700-1-50	INGLE POST SIGN, RELOCATE INGLE POST SIGN, F&I CUSTOM, 31+ SF UBULAR MARKER, DURABLE, 36" YELLOW POST BJECT MARKER, TYPE 1 AISED PAVEMENT MARKER, TYPE B (WHITE/RED)	AS AS EA	3		2			1	1	8		5	31		
700-1-74 S 704-1-2 T 705-10-1 O 706-1-3 R	TINGLE POST SIGN, F&I CUSTOM, 31+ SF UBULAR MARKER, DURABLE, 36" YELLOW POST BJECT MARKER, TYPE 1 AISED PAVEMENT MARKER, TYPE B (WHITE/RED)	EA	3			1 1			1	1			1		
705-10-1 O	BJECT MARKER, TYPE 1 AISED PAVEMENT MARKER, TYPE B (WHITE/RED)		3			2						1	3		
705-10-1 O	BJECT MARKER, TYPE 1 AISED PAVEMENT MARKER, TYPE B (WHITE/RED)		3		2	1		1		1					
706-1-3 R	AISED PAVEMENT MARKER, TYPE B (WHITE/RED)	EA			2			1					8		
	(WHITE/RED)		1						2	4			7		
	(WHITE/RED)														
710-11-290 P		EA	44		39	38		48	104	10		2	285		
710-11-290 P	(YELLOW/YELLOW)		4		33	30		70	4	76		108	192		
710-11-290 F	(MONO-DIRECTIONAL YELLOW)		19		91	35		55	36	60			296		
710-11-290	AINTED PAVEMENT MARKINGS, STANDARD, YELLOW, ISLAND NOSE	SF	68		20	13		25	1.5	24			102		
1	AINIED FAVEMENT MARKINGS, STANDARD, TELLOW, ISLAND NOSE	31	00		38	13		25	15	24			183		
710-90 P	AINTED PAVEMENT MARKINGS, FINAL SURFACE	LS													
	AINTED PAVEMENT MARKINGS, STANDARD, WHITE, SOLID, 6"	GM	0.355		0.226	0.298	0.3	19	0.544	0.225		0.226	2.194		
	AINTED PAVEMENT MARKINGS, STANDARD, WHITE, SOLID FOR CROSSWALK AND ROUNDABOUT, 12" AINTED PAVEMENT MARKINGS, STANDARD, WHITE, SOLID FOR STOP LINE OR CROSSWALK, 24"	LF LF	353 494		260 50	587 196			720 751	352 61		223 38	2495 1590		
	AINTED PAVEMENT MARKINGS, STANDARD, WHITE, SKIP, 10-30 OR 3-9 SKIP, 6" WIDE	GM	0.061		0.220	0.169	0.2	56	0.126	0.064		30	0.897		
	AINTED PAVEMENT MARKINGS, STANDARD, WHITE, 2-4 DOTTED GUIDELINE/ 6-10 DOTTED EXT, 6"	GM	0.075		0.018		0.0	34	0.033				0.160		
* P	AINTED PAVEMENT MARKINGS, STANDARD, WHITE, MESSAGE OR SYMBOL	EA	1		7								2		
	ONLY MERGE		1		1				2				2		
	RAILROAD CROSSING					4							4		
<u></u>	ALATED DAVENENT MARKINGS CTANDARD WHITE ADDONE	- FA													
* P	AINTED PAVEMENT MARKINGS, STANDARD, WHITE, ARROWS RIGHT	EA	5		4			1	5	1			16		
	LEFT		5		1			1	6	1		1	15		
	THRU		1		1								2		
<u> </u>	THRU/LEFT MERGE				1								1		
	MENGE													+	
	AINTED PAVEMENT MARKINGS, STANDARD, YELLOW, SOLID, 6"	GM	0.159		0.232	0.237	0.2	31	0.217	0.430		0.442	1.949		
	AINTED PAVEMENT MARKINGS, STANDARD, YELLOW, SOLID FOR DIAGONAL OR CHEVRON, 18"	LF	0.042		0.036	0.003		2.4	0.066	0.048		0.042	1337		
	AINTED PAVEMENT MARKINGS, STANDARD, YELLOW, -4 DOTTED GUIDELINE/6-10 DOTTED EXTENSION, 6"	GM	0.042		0.036	0.002	0.0	34	0.066	0.048		0.042	0.270		
	HERMOPLASTIC, STANDARD, WHITE, SOLID, 12" FOR CROSSWALK AND ROUNDABOUT	LF	353		260	587			720	352		223	2495		
	HERMOPLASTIC, STANDARD, WHITE, SOLID, 24" FOR STOP LINE	LF	494		50	196		2.4	751	61		38	1590		
711-11-141 T	HERMOPLASTIC, STANDARD, WHITE, 2-4 DOTTED GUIDELINE/ 6-10 GAP EXTENSION, 6"	GM	0.075		0.018		0.0	34	0.033				0.160		
711-11-160 T	HERMOPLASTIC, STANDARD, WHITE, MESSAGE OR SYMBOL	EA													
	ONLY		1		1								2		
<u> </u>	MERGE RAILROAD CROSSING								2				2		
	NATERIOAD CNOSSTNO					4							4		
711-11-170 T	HERMOPLASTIC, STANDARD, WHITE, ARROW	EA													
	RIGHT		5		4			1	5	1		7	16		
	LEFT THRU		5		1			1	В			1	15		
	THRU/LEFT		_		1								1		
	MERGE								2				2		
711-11-224 T	HERMOPLASTIC, STANDARD, YELLOW, SOLID, 18" FOR DIAGONAL OR CHEVRON	LF	6						+ + -	477		854	1337		
	HERMOPLASTIC, STANDARD, TELLOW, SOLID, 18 TOK DIAGONAL OK CHICKON HERMOPLASTIC, STANDARD, YELLOW, 2-4 DOTTED GUIDE LINE /6-10 DOTTED EXTENSION LINE, 6"	GM	0.042		0.036	0.002	0.0	34	0.066	0.048		0.042	0.270		
	HERMOPLASTIC, PREFORMED, WHITE, SOLID, 24" FOR CROSSWALK HERMOPLASTIC, PREFORMED, WHITE, MESSAGE	LF EA	494		50 3	2		2	751	61		38	1394		
	HERMOPLASTIC, PREFORMED, WHITE, MESSAGE HERMOPLASTIC, PREFORMED, WHITE, ARROW	EA	13		3	2		2	6	2		1	29	+	
						_									
	HERMOPLASTIC, STANDARD OTHER SURFACES, WHITE, SOLID, 6"	GM GM	0.355		0.226	0.298	0.3		0.544	0.225		0.226	2.194		
	HERMOPLASTIC, STANDARD-OTHER SURFACES, WHITE, SKIP, 6",10-30 SKIP OR 3-9 LANE DROP HERMOPLASTIC, STANDARD-OTHER SURFACES, YELLOW, SOLID, 6"	GM GM	0.061		0.220 0.232	0.169	0.2		0.126	0.064		0.442	1.949		
	.,	<u> </u>	1			2/									
* THESE QUANT	ITIES ARE PAID FOR UNDER PAINTED PAVEMENT MARKINGS (FINAL SURFACE), LUMP SUM ITEM NO. 71	10-90.			SHOWN ARE FO	OR ONE APPLICA	TION: SE	SPECIFI			BER OF AF	PPLICATIONS F	REQUIRED.		
	AS NOTED HDR Engineering, Inc.	SCALE AS NOTED HDR Engineering, Inc. DESIGN ENGINEER DESIGN ENGINEER							SHEET						
	DESIGNED BY MO 2601 Cattlemen Road Suite 400		12/2021 Manatee MANATEE COUNTY MICHAEL J. OATES TABULATION OF						NO.						
\vdash	DRAWN BY VD Sarasota, FL 34232-623	33	PROJECT		Cour	ty PIIR	LIC W			vo.	AL.			-	
	CHECKED BY		609436		FLORI	1001			49282			QUAN	ITTIES		S-3
No. 2:53:44 PM	REVISIONS DATE BY IR 12/9/2021 PW:\		009430				VDIGIACOB		12/9/2021		:44 PM	PW:\			

TABULATION OF QUANTITIES

90. 11	PAY	25622125104	SHEET NUMBERS								TAL HIS	GRAND
1	ITEM NO.	DESCRIPTION			D. A. 5 T. A. A.	D. 4N E.N.4	DI ANI STAVAL BI ANI	5.14/4/	D/ 44/			TOTAL
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100 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1										•		4
	700 - 1 - 50											1
1906 1907	700-1-74	SINGLE POST SIGN, F&I CUSTOM, 31+ SF	AS									3
1906 1907	70110											
	704-1-2	TUBULAR MARKER, DURABLE, 36" YELLOW POST	EA	+ +								
	705-10-1	OBJECT MARKER. TYPE 1	FA				+ + + + + + + + + + + + + + + + + + + +					7
PRINTED STATES PRIN												
Trial Tria	706 - 1 - 3		EA									773
10 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1												
10 12 50 PARTE PARTIN MERIOS, \$140,000 13 100 15 10 10 10 10 10 10 10 10 10 10 10 10 10												
23 25 25 25 25 25 25 25		(MONO BINECTIONAL TELLOW)										
*** A SANCE DESCRIPTION MANUAL STATES AND	710-11-290	PAINTED PAVEMENT MARKINGS, STANDARD, YELLOW, ISLAND NOSE	SF									183
*** A SANCE DESCRIPTION MANUAL STATES AND												
** PARTICLE PROPRIEST AND PROPERTY CONTINUES BY A PROPRIEST AND PROPRIES	710-90											1
Descript Descript Vale (Loss, St. Analos) (1975) Solid Ford St. College (1975) Solid For	*											
** SAJOTO CONTROL MONTES, STANDON, WITHER, COLT, 10.30, DO 10.20, 20.21, 20.2	*											
Output O	*											
Marker M	*										C	. 160
### PARTIES PRESENT DIRECTORS STANDARD BRITE ARRONS ### PARTIES PRESENT DIRECTORS STANDARD BRITE ARRONS ### PARTIES PRESENT DIRECTORS STANDARD STANDARD BRITE ARRONS ### PARTIES PRESENTED BRITE BRIT	*		EA					+				8
## ASSESSED CONTROL OF THE MANUAL PROPERTY OF								+				
PARTIES PARABOLITION, STANDARD, WHITE, ARREST 1. FOR 1. 1987							+ + + + + + + + + + + + + + + + + + + +					
Stort												
1.571 1.572 1.57	*	PAINTED PAVEMENT MARKINGS, STANDARD, WHITE, ARROWS	EA									34
THIS TRIBLET TO THE PROPERTY AND THE STATE OF THE PROPERTY OF												
THRUSTED PARTERNY MARKENSS, STANDARD, VELICE, SOLIO, 6" * PARTED PARTERNY MARKENSS, STANDARD, VELICE, SOLIO FOR DIRECARL OR CICKYOOM, 12" * PARTED PARTERNY MARKENSS, STANDARD, VELICE, SOLIO FOR DIRECARL OR CICKYOOM, 12" * PARTED PARTERNY MARKENSS, STANDARD, VELICE, SOLIO FOR DIRECARL OR CICKYOOM, 12" * PARTED PARTERNY MARKENSS, STANDARD, VELICE, SOLIO FOR DIRECARL OR CICKYOOM, 12" * PARTED PARTERNY MARKENSS, STANDARD, VELICE, SOLIO FOR DIRECARL OR CICKYOOM, 12" * PARTED PARTERNY MARKENSS, STANDARD, VELICE, SOLIO FOR DIRECARL OR CICKYOOM, 12" * PARTED PARTERNY MARKENSS, STANDARD, VELICE, SOLIO FOR DIRECARL OR CICKYOOM, 12" * PARTED PARTERNY MARKENSS, STANDARD, VELICE, SOLIO FOR DIRECARL OR CICKYOOM, 12" * PARTED PARTERNY MARKENSS, STANDARD, VELICE, SOLIO FOR DIRECARL OR CICKYOOM, 12" * PARTED PARTERNY MARKENSS, STANDARD, VELICE, SOLIO FOR DIRECARL OR CICKYOOM, 12" * PARTED PARTERNY MARKENSS, STANDARD, VELICE, SOLIO FOR DIRECARL OR CICKYOOM, 12" * PARTED PARTERNY MARKENSS, STANDARD, VELICE, SOLIO FOR STANDARD, 12" * PARTED PARTERNY MARKENSS, STANDARD, VELICE, SOLIO FOR STANDARD, 12" * PARTED PARTERNY MARKENSS, STANDARD, VELICE, SOLIO FOR STANDARD, 12" * PARTED PARTERNY MARKENSS, STANDARD, VELICE, SOLIO FOR STANDARD, 12" * PARTED PARTERNY MARKENSS, SOLIO FOR STANDARD, 12" * PARTED PARTERNY MARKENS, STANDARD, VELICE, SOLIO FOR STANDARD, 12" * PARTED PARTERNY MARKENSS, SOLIO FOR STANDARD, 12" * PARTED PARTERNY MARKENS, SOLIO FOR STANDAR												
MARKED M							+ + + + + + + + + + + + + + + + + + + +					
** PAINTED PRIFERTY PRIAGRAMS, STANDARD, VELLOW, SOLID FOR DIAGONAL OR CRETTON, 18" LF ** PAINTED PRIFERTY PRIAGRAMS, STANDARD, VELLOW, SOLID FOR DIAGONAL OR CRETTON, 18" OR ** PAINTED PRIFERTY PRIF												
** PAINTED PRIFERTY PRIAGRAMS, STANDARD, VELLOW, SOLID FOR DIAGONAL OR CRETTON, 18" LF ** PAINTED PRIFERTY PRIAGRAMS, STANDARD, VELLOW, SOLID FOR DIAGONAL OR CRETTON, 18" OR ** PAINTED PRIFERTY PRIF												
MAINTED PRIVERENT MAKINES, 57 MORADO, VELLOR, 10 MORE STRESSION, 6	*											
2.4 DOTTED GUIDELING/E-1D DOTTED EXTOSION, 6" [1] 1111-127 THERMONIASTIC, STANDARD SHITE, SOILD, 12" FOR ERDSSHALK MID BOUNDARDOTT [1] 111-127 THERMONIASTIC, STANDARD SHITE, SOILD, 12" FOR ERDSSHALK MID BOUNDARDOTT [1] 111-130 THERMONIASTIC, STANDARD, SHITE, SOILD, 12" FOR ERDSHALK MID BOUNDARDOTT [1] 111-130 THERMONIASTIC, STANDARD, SHITE, NESSAGE OR SYRBOL NEEDE	*											
721-11-122 THERMOLASTIC, STANDARD, SHITE, SOLID, 24" FOR EXPOSANCE AND BOUNDARDOT (F.). 121-11-121 THERMOLASTIC, STANDARD, SHITE, 2-2 DOTTED COLDELINE/ 6-10 CAN EXTENSION, 6" ON			GIM									.270
11-11-141 IMERINDILASTIC, STANDARD, RRITE, MESSAGE OR SYMBOL	711-11-123		LF									2495
1111-1160 1111-1160 1111-1160 1111-1160 1111-1160 1111-1160 1111-1160 1111-1160 1111-1160 1111-1160 1111-1160 1111-1160 1111-1160 1111-1160 1111-1160 1111-1160 1111-1160 1111-1160	711-11-125											1590
ONLY NERGE RAILROAD CROSSING	711-11-141	THERMOPLASTIC, STANDARD, WHITE, 2-4 DOTTED GUIDELINE/ 6-10 GAP EXTENSION, 6"	GM								0	. 160
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TII-II-10 THERMOPLASTIC, STANDARD, WHITE, ARROW EA SIGNT LEFT TIND THENDYLEFT MERGE THENDYLEFT THENDYLEFT THENDYLEFT MERGE TITILI1-224 THERMOPLASTIC, STANDARD, YELLOW, SOLID, 18" FOR DIAGONAL OR CHEVRON TII-II-124 THERMOPLASTIC, STANDARD, YELLOW, 2-4 DOTTED GUIDE LINE /6-10 DOTTED EXTENSION LINE, 6" GM TII-II-125 THERMOPLASTIC, STANDARD, YELLOW, 2-4 DOTTED GUIDE LINE /6-10 DOTTED EXTENSION LINE, 6" GM TII-II-14-125 THERMOPLASTIC, PREFORMED, WHITE, ARROW EA TII-II-16-101 THERMOPLASTIC, STANDARD-OTHER SURFACES, WHITE, SOLID, 6" THE SOLID AND THE WORLD												
RIGHT LEFT THRU THRU THRU REAGE THRULEFT MERGE THRULEFT MERGE THRULEFT MERGE MORAGE THRULEFT MERGE MORAGE THRULEFT MERGE MORAGE		RAILROAD CROSSING										
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LEFT THOULEFT WERGE 711-11-224 THERMOPLASTIC, STANDARD, YELLOW, SOLID. 18* FOR DIAGONAL OR CHEVRON THOULEFT WERGE 711-11-241 THERMOPLASTIC, STANDARD, YELLOW, SOLID. 18* FOR DIAGONAL OR CHEVRON THOULEFT THOULEFT WERGE 711-11-241 THERMOPLASTIC, STANDARD, YELLOW, SOLID. 18* FOR DIAGONAL OR CHEVRON THOULEFT THOULEFT THOULEFT WERGE 711-11-241 THERMOPLASTIC, STANDARD, YELLOW, SOLID. 18* FOR ROSSWALK THOULEFT THOULEFT THOULEFT WERGE THOULEFT THOULEFT WERGE THOULEFT THOULEFT WERGE THOULEFT THOULEFT WERGE THOULEFT THOULEFT THOULEFT WERGE THOULEFT THOULEFT WERGE THOULEFT THOULEF THOULEFT THOULEFT THOULEFT THOULEFT THOULEFT THOULEFT THOULEF TH	/11-11-1/0		EA									36
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TII-11-224 THERNOPLASTIC, STANDARD, YELLOW, SOLID, 18" FOR DIAGONAL OR CHEVRON TII-11-241 THERNOPLASTIC, STANDARD, YELLOW, 2-4 DOTTED GUIDE LINE /6-10 DOTTED EXTENSION LINE, 6" GM												
711-14-125 THERMOPLASTIC, STANDARD, YELLOW, 2-4 DOTTED GUIDE LINE /6-10 DOTTED EXTENSION LINE, 6" GM		MERGE										
711-14-125 THERMOPLASTIC, STANDARD, YELLOW, 2-4 DOTTED GUIDE LINE /6-10 DOTTED EXTENSION LINE, 6" GM	711-11 224	THERMODIASTIC STANDARD VELLOW SOLID 18" FOR DIACONAL OR CHEVRON	I.F.		+ + +			+				1337
TII-14-125 THERMOPLASTIC, PREFORMED, WHITE, SOLID, 24" FOR CROSSWALK LF 711-14-160 THERMOPLASTIC, PREFORMED, WHITE, MESSAGE EA 711-14-170 THERMOPLASTIC, STANDARD-OTHER SURFACES, WHITE, SOLID, 6" 711-16-101 THERMOPLASTIC, STANDARD-OTHER SURFACES, WHITE, SOLID, 6" 711-16-131 THERMOPLASTIC, STANDARD-OTHER SURFACES, WHITE, SOLID, 6" 711-16-201 THERMOPLASTIC, STANDARD-OTHER SURFACES, WHITE, SKIP, 6", 10-30 SKIP OR 3-9 LANE DROP 6M 711-16-201 THERMOPLASTIC, STANDARD-OTHER SURFACES, YELLOW, SOLID, 6" 711-16-131 THERMOPLASTIC, STANDARD-OTHER SURFACES, WHITE, SKIP, 6", 10-30 SKIP OR 3-9 LANE DROP 6M 711-16-131 THERMOPLASTIC, STANDARD-OTHER SURFACES, WHITE, SKIP, 6", 10-30 SKIP OR 3-9 LANE DROP 6M 711-16-131 THERMOPLASTIC, STANDARD-OTHER SURFACES, WHITE, SKIP, 6", 10-30 SKIP OR 3-9 LANE DROP 6M 711-16-131 THERMOPLASTIC, STANDARD-OTHER SURFACES, WHITE, SKIP, 6", 10-30 SKIP OR 3-9 LANE DROP 6M 711-16-131 THERMOPLASTIC, STANDARD-OTHER SURFACES, WHITE, SKIP, 6", 10-30 SKIP OR 3-9 LANE DROP 6M 711-16-131 THERMOPLASTIC, STANDARD-OTHER SURFACES, W	711-11-224			+ + + + + + + + + + + + + + + + + + + +	+ + +		+ + + + + + + + + + + + + + + + + + + +	+ +	+			
711-14-160 THERMOPLASTIC, PREFORMED, WHITE, MESSAGE EA 711-14-170 THERMOPLASTIC, PREFORMED, WHITE, ARROW EA 711-16-101 THERMOPLASTIC, STANDARD-OTHER SURFACES, WHITE, SOLID, 6" 711-16-101 THERMOPLASTIC, STANDARD-OTHER SURFACES, WHITE, SNID, 6", 10-30 SKIP OR 3-9 LANE DROP M 711-16-201 THERMOPLASTIC, STANDARD-OTHER SURFACES, WHITE, SNID, 6", 10-30 SKIP OR 3-9 LANE DROP M 711-16-201 THERMOPLASTIC, STANDARD-OTHER SURFACES, YELLOW, SOLID, 6" THESE QUANTITIES ARE PAID FOR UNDER PAINTED PAVEMENT MARKINGS (FINAL SURFACE), LUMP SUM ITEM NO. 710-90. THE QUANTITIES SHOWN ARE FOR ONE APPLICATION: SEE SPECIFICATION 710 FOR THE NUMBER OF APPLICATIONS REQUIRED. ** THESE QUANTITIES ARE PAID FOR UNDER PAINTED PAVEMENT MARKINGS (FINAL SURFACE), LUMP SUM ITEM NO. 710-90. THE QUANTITIES SHOWN ARE FOR ONE APPLICATION: SEE SPECIFICATION 710 FOR THE NUMBER OF APPLICATIONS REQUIRED. ** THESE QUANTITIES ARE PAID FOR UNDER PAINTED PAVEMENT MARKINGS (FINAL SURFACE), LUMP SUM ITEM NO. 710-90. THE QUANTITIES SHOWN ARE FOR ONE APPLICATION: SEE SPECIFICATION 710 FOR THE NUMBER OF APPLICATION OF QUANTITIES (2) ** TABULATION OF QUANTITIES (2) ** SHEE NO. 49282												
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SIGNING AND PAVEMENT MARKING GENERAL NOTES:

- 1. ALL PAVEMENT MARKINGS WITHIN THE MANATEE COUNTY RIGHT-OF-WAY SHALL BE THERMOPLASTIC.
- 2. REFER TO F.D.O.T. STANDARD PLANS INDEX NO. 706-001 FOR RETRO-REFLECTIVE PAVEMENT MARKER PLACEMENT DETAILS.
- 3. CAUTION SHALL BE EXERCISED WHILE RELOCATING EXISTING SIGNS SO AS TO PREVENT DAMAGE TO THE SIGNS. IF THE SIGNS ARE DAMAGED BEYOND USE, AS DETERMINED BY THE ENGINEER, THEY SHALL BE REPLACED BY THE CONTRACTOR AT HIS EXPENSE.
- 4. THE SIGN LOCATIONS ARE APPROXIMATE AND MAY REQUIRE FIELD ADJUSTMENT AS DIRECTED BY THE ENGINEER.
- 5. ANY EXISTING SIGN TO REMAIN THAT IS DISTURBED DURING CONSTRUCTION OR RELOCATED SHALL BE RESET TO CURRENT STANDARDS FOR HEIGHT, OFFSET, AND METHOD OF INSTALLATION. COST OF THIS WORK SHALL BE REFLECTED IN THE PAY ITEM NO. 102-1 IN THE SUMMARY OF ROADWAY PAY ITEMS.
- 6. CONTRACTOR SHALL USE W-SHAPE STEEL POSTS FOR MULTI-POST SIGNS. ALL COLUMNS (POSTS) FOR SINGLE COLUMN SIGNS SHALL BE U-CHANNEL POST, UNLESS OTHERWISE INDICATED IN THE PLANS.
- 7. ALL SINGLE COLUMN SIGNS WITHIN THE LIMITS OF CLEARING AND GRUBBING SHALL BE REMOVED UNLESS OTHERWISE NOTED IN THE PLANS. PAYMENT SHALL BE REFLECTED IN THE PAY ITEM NO. 110-1-1 IN THE SUMMARY OF ROADWAY PAY ITEMS.
- 8. AT LOCATIONS WHERE UNDERGROUND UTILITIES ARE IN CLOSE PROXIMITY TO SIGN FOUNDATIONS AS DETERMINED BY THE CONTRACTOR, THE CONTRACTOR SHALL HAND DIG THE FIRST FOUR FEET OF THE HOLE FOR THE MULTI POST FOUNDATIONS.
- 9. ALL CROSSWALKS SHALL BE SIX FEET (6') OR TEN FEET (10') IN WIDTH AS SHOWN IN PLANS. MEASUREMENTS SHALL BE FROM INSIDE TO INSIDE OF 12" STRIPES.
- 10. TUBULAR MARKERS SHALL BE INSTALLED AT ALL MEDIAN NOSES AS SHOWN IN PLANS PER STANDARD PLANS INDEX NO. 711-001.
- 11. WHERE EXISTING STREET NAME SIGNS ARE RELOCATED ONTO PROPOSED STOP SIGN ASSEMBLIES, THE COST IS TO BE INCLUDED UNDER THE RELATED PAY ITEM.



TRAFFIC SEPARATOR MARKING DETAIL

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HDR Engineering, Inc. 2601 Cattlemen Road Suite 400 Sarasota, FL 34232-6233 DATE
12/2021
PROJECT NO.

6094360



DESIGN ENGINEER	
MICHAEL J. OATES	
FL. LICENSE NO.	
49282	

GENERAL NOTES

SHEET NO.

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