COMPONENTS OF CONTRACT PLANS SET

ROADWAY PLANS SIGNING AND PAVEMENT MARKING PLANS SIGNALIZATION PLANS

INDEX OF SIGNALIZATION PLANS

SHEET NO.	SHEET DESCRIPTION
T - 1	KEY SHEET
T - 2	SIGNATURE SHEET
T - 3	GENERAL NOTES
T-4 - T-6	SIGNALIZATION PLAN
T - 7	PEDESTRIAN SIGNAL DETAIL
T - 8	MAST ARM TABULATION
T - 9	MAST ARM ASSEMBLIES DATA TABLES
T - 10	GUIDE SIGN WORKSHEET
T - 11	ITS PLAN
T - 12	POLE DATA AND LEGEND
T - 13	LIGHTING PLAN

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION

SIGNALIZATION PLANS

FINANCIAL PROJECT ID 447874-1-52-01 (FEDERAL FUNDS) POLK COUNTY (16140)

STATE ROAD NO. SR 544 (HAVENDALE BLVD)

AT US 17 (8TH ST NW)

PROJECT LOCATION URL: https://tinyurl.com/343r5jpf

PROJECT LIMITS:

BEGIN MP 3.000 - END MP 3.224

EXCEPTIONS:

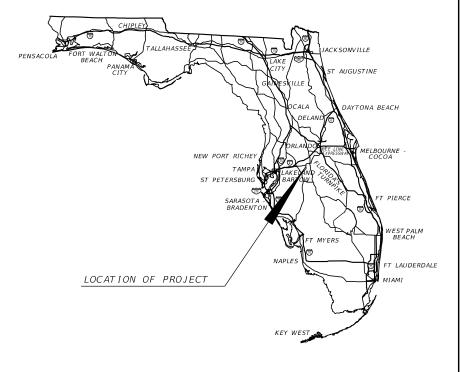
NONE

BRIDGE LIMITS:

NONE

RAILROAD CROSSING:

NONE



SIGNALIZATION PLANS ENGINEER OF RECORD:

OLIVER REMY RODRIGUES, P.E.; PTOE
P.E. LICENSE NUMBER 50646
FLORIDA TRANSPORTATION ENGINEERING, INC.
11458 N 53RD STREET
(813) 989-0729
TAMPA, FLORIDA 33617
CONTRACT NO.: CA319
VENDOR NO.: F65-0183924

FDOT PROJECT MANAGER:

PHILIP MENKE, P.E.

CONSTRUCTION	FISCAL	SHEET
CONTRACT NO.	YEAR	NO.
T1876	24	T-1

GOVERNING STANDARD PLANS:

Florida Department of Transportation, FY2023-24 Standard Plans for Road and Bridge Construction and applicable Interim Revisions (IRs).

Standard Plans for Road Construction and associated IRs are available at the following website: http://www.fdot.gov/design/standardplans

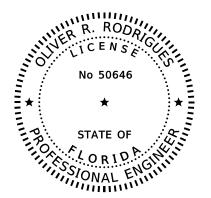
APPLICABLE IRs: IR - -

Standard Plans for Bridge Construction are included in the Structures Plans Component

GOVERNING STANDARD SPECIFICATIONS:

Florida Department of Transportation, FY2023-24 Standard Specifications for Road and Bridge Construction at the following website: http://www.fdot.gov/programmanagement/Implemented/SpecBooks

PHASE IV FEBRUARY 21, 2022



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. THE SIGNATURE MUST BE VERIFIED ON ANY ELECTRONIC COPIES.

FLORIDA TRANSPORTATION ENGINEERING, INC. 11458 N 53RD STREET TAMPA, FLORIDA 33617 OLIVER R. RODRIGUES, P.E., PTOE, NO. 50646

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
T-1	KEY SHEET
T-2	SIGNATURE SHEET
T-3	GENERAL SHEETS
T-4 - T-6	SIGNALIZATION PLAN
T-7	PEDESTRIAN SIGNAL DETAI
T-8	MAST ARM TABULATION
T-10	GUIDE SIGN WORKSHEET
T-11	ITS PLAN



THIS ITEM HAS BEEN DIGITALLY SIGNED AND SEALED BY:

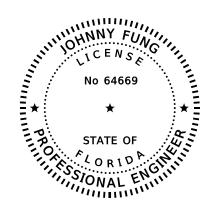
ON THE DATE ADJACENT TO THE SEAL

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

FLORIDA TRANSPORTATION ENGINEERING, INC. 11458 N 53RD STREET TAMPA, FLORIDA 33617 RYAN C. ANLOAGUE, P.E., NO. 92396

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
T-2	SIGNATURE SHEET
T-12	POLE DATA AND LEGEND
T-13	LIGHTING PLAN



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. THE SIGNATURE MUST BE VERIFIED ON ANY ELECTRONIC COPIES.

PATEL, GREENE & ASSOCIATES, PLLC 11458 N 53RD12570 TELECOM DRIVE TEMPLE TERRACE, FLORIDA 33637 JOHNNY FUNG, P.E, NO. 64669

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

T-9 MAST ARM ASSEMBLIES DATA TABLES

2:31:48 PM Carry	S:\Projects\FD0T\44787415201\Signa	DA
2/20/2023	S:\Projects\FD	DA

	REVIS	SIONS		ENGINEER OF RECORD		STATE OF FLORIDA		
DATE	DESCRIPTION	DATE	DESCRIPTION	OLIVER REMY RODRIGUES, P.E., PTOE	DEP.	ARTMENT OF TRAN	·	
				LICENSE NUMBER: 50646	ROAD NO.	COUNTY	FINANCIAL PROJECT ID	
				FLORIDA TRANSPORTATION ENGINEERING, 11458 NORTH 53RD STREET TAMPA, FLORIDA 33617	SR 544	POLK	447874-1-52-01	

SIGNATURE SHEET

SHEET NO.

1. 630-2-11, 630-2-12:

USE A MINIMUM OF 2" DIAMETER CONDUIT FOR FIBER OPTIC INTERCONNECT CABLE.

2. 632-7-1:

COMPLETELY REWIRE INTERSECTION AT ALL SIGNAL LOCATIONS. VERIFY THE COLOR CODE OF SIGNAL CABLE WITH THE MAINTAINING AGENCY PRIOR TO WIRING INTERSECTION.

3. 635-2-11:

PULL BOXES ARE TO BE PLACED BEHIND CURB AND GUTTER. IF THERE IS NO CURB AND GUTTER, PULL BOXES SHALL BE PLACED A MINIMUM OF 7' FROM THE EDGE OF PAVEMENT.

4. 646-1-11, 646-1-12:

USE LOCKING COLLARS WHEN MOUNTING ALUMINUM PEDESTRIAN POLES TO PEDESTRIAN PEDESTAL BASES.
USE BREAKAWAY ALUMINUM SQUARE BASE ASSEMBLIES WITH ALUMINUM DOORS FOR PEDESTRIAN PEDESTALS.

5. 649-21-3, 649-21-6, 649-21-10, 649-21-15:
USE TWO 2" AND ONE 1" CONDUITS STUBBED OUT THROUGH TH

USE TWO 2" AND ONE 1" CONDUITS STUBBED OUT THROUGH THE MAST ARM POLE FOUNDATION AND TEMPORARILY SEAL. ALL MAST ARM ASSEMBLIES SHALL HAVE A TERMINAL COMPARTMENT.

6. 650-1-14, 650-1-16, 650-1-19:

USE LOUVERED ALUMINUM SIGNAL HEAD BACK PLATES.

7. 653-1-11, 653-1-12:

PEDESTRIAN SIGNAL HEADS TO BE 16" INTERNATIONAL SYMBOL, LED COUNTDOWN TYPE.

8. 660-2-102, 660-2-106:

PERMANENTLY MARK EACH LOOP PER PHASE AND PER VEHICLE MOVEMENT AT EACH SPLICE POINT AND AT THE CABINET TERMINATION POINT. FOR INCREASED SENSITIVITY, INDUCTANCE LOOPS TO HAVE A MINIMUM OF THREE TURNS OF WIRE.

9. 665-1-12:

USE PEDESTRIAN BUTTON SIGNAL SIGN FTP-68B-06 OR R10-3e. STREET NAME SHALL BE IN ACCORDANCE WITH THE STREET NAMES SHOWN ON THE SIGNALIZATION PLAN SHEETS.

10. 670-5-111:

CONTACT CITY OF WINTER HAVEN FOR A LIST OF ACCEPATABLE DEVICES. CONTROLLER AND EQUIPMENT TO BE COMPATIBLE WITH CITY OF WINTER HAVEN'S ADVANCE TRAFFIC MANAGEMENT SYSTEM. CONTACT CITY OF WINTER HAVEN MIKE CAMPBELL AT (863)291-5852 (MCAMPBELL@MWINTERHAVEN.COM) PRIOR TO ORDERING TO CONFIRM. ALL CONTROLLER EQUIPMENT TO BE COMPATIBLE WITH CITY OF WINTER HAVEN'S NEW (STREET WISE CLOSED LOOP) SOFTWARE SYSTEM. INCLUDE 1 ADDITIONAL SPARE CONDUIT (FOR A TOTAL OF 3 SPARES) FOR CONTROLLER CABINET IN THE CABINET BASE. CONTROLLER MMU (MALFUNCTION MANAGEMENT UNIT) TO BE COMPATIBLE WITH FOUR SECTION HEAD OPERATION/LOGIC. USE A MINIMUM OF FOUR (4) PREEMPTION PLANS FOR CONTROLLER.

11. 685-1-13:

INCLUDE AN UNINTERRUPTIBLE POWER SUPPLY UNIT (UPS). ATTACH UPS UNIT TO THE OUTSIDE OF THE CONTROLLER CABINET. INSTALL UPS UNIT IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS. UPS EQUIPMENT TO BE COMPATIBLE WITH THE CITY OF WINTER HAVEN EXISTING SYSTEM.

12. 700-5-21 AND 700-5-22:

ALL INTERNALLY ILLUMINATED STREET NAME SIGNS TO BE SINGLE SIDED AND RIGID MOUNTED TO THE MAST ARM. INSTALL PHOTOCELLS FOR STREET SIGNS IN THE ELECTRICAL SERVICE DISCONNECT.

SIGNALIZATION GENERAL NOTES

1. AT THE COMPLETION OF THE PROJECT, PROVIDE AS-BUILT PLANS IN ELECTRONIC FORM (PDF) TO:

FDOT TRAFFIC OPERATIONS
RENJAN JOSPEPH, P.E., TSM&O ENGINEER

801 N. BROADWAY AVE P.O. BOX 1249

BARTOW, FL 33830-1249

EMAIL: RENJAN.JOSEPH@DOT.STATE.FL.US

PHONE: 863-519-2746

- 2. REFER TO THE ROADWAY PLANS FOR UTILITY CONTACT INFORMATION.
- 3. THE MAINTAINING AGENCY FOR SIGNALS IS CITY OF WINTER HAVEN.

LIGHTING GENERAL NOTES

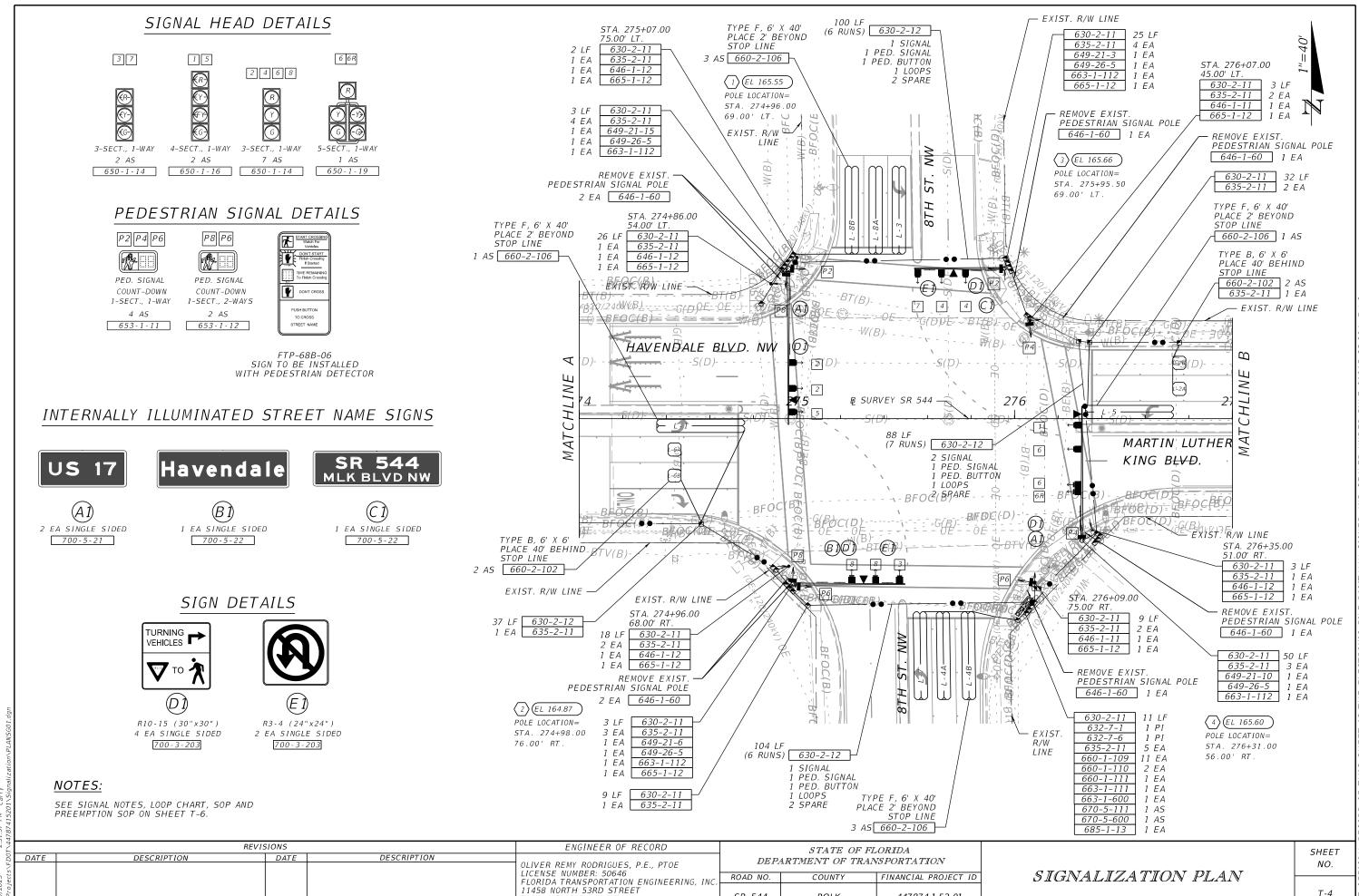
1. THE MAINTAINING AGENCY FOR LIGHTING IS CITY OF WINTER HAVEN.

· ID

	REVIS	SIONS		ENGINEER OF RECORD		STATE OF FLORIDA		
DATE	DESCRIPTION	DATE	DESCRIPTION	OLIVED BENY BODDICUES DE BTOE	DEP	ARTMENT OF TRAI		
				OLIVER REMY RODRIGUES, P.E., PTOE LICENSE NUMBER: 50646 FLORIDA TRANSPORTATION ENGINEERING, INC 11458 NORTH 53RD STREET TAMPA, FLORIDA 33617				
					ROAD NO.	COUNTY	FINANCIAL PROJECT I	
					SR 544	POLK	447874-1-52-01	

GENERAL NOTES

SHEET NO.

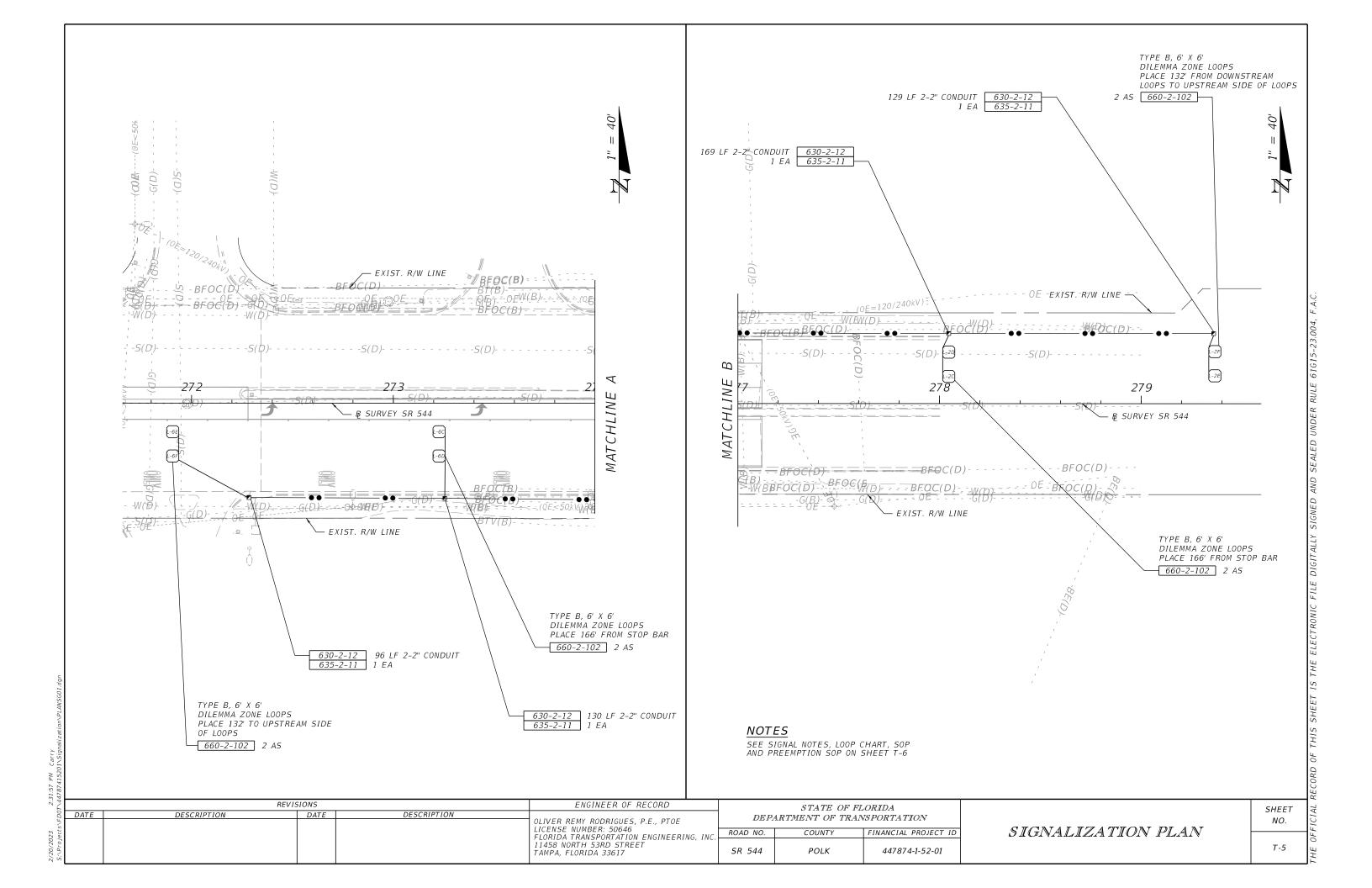


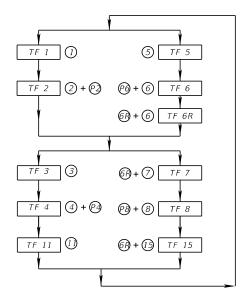
SR 544

TAMPA, FLORIDA 33617

POLK

447874-1-52-01





SIGNAL	NOTES:

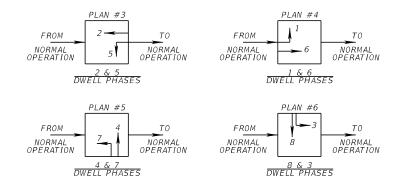
- CONTROLLER OPERATIONS: - MAJOR STREET: SR 544 - MINOR STREET: US 17
- FLASHING OPERATIONS:
 - YELLOW : 2 & 6
 - RED: ALL OTHER MOVEMENTS
- POSTED SPEED LIMITS ARE AS FOLLOWS: SR 544 = 45 MPH US 17 = 35 MPH
- RUN SPECIAL SOP PER TOD PLAN. SOP 10 TO RUN DURING OTHER PERIODS
- MOVEMENT 6R TO BE PROGRAMMED AS OVERLAP A TO COME UP WITH MOVEMENTS 6, 7, AND 15. RED AND YELLOW CLEARANCE TIMES WILL MATCH THAT OF PARENT PHASE.
- P6 SHALL BE A CONFLICT PHASE OF OLA. OLA SHALL NOT DISPLAY GREEN WHILE P6 IS ACTIVE.
- PROGRAM PHASE RESTRICTIONS TO OMIT MOVEMENT 1 AND REDIRECT CALLS FROM MOVEMENT 1 TO MOVEMENT 6, WHEN MOVEMENT 2 IS GREEN AND TO OMIT MOVEMENT 5 AND REDIRECT CALLS FROM MOVEMENT 5 TO MOVEMENT 2, WHEN MOVEMENT 6 IS GREEN.
- PROGRAM A START-UP DELAY OF 2 SECONDS FOR THE FLASHING YELLOW ARROW ON MOVEMENTS 1 AND 5 (RELATIVE TO THE OPPOSING THROUGH MOVEMENTS).
- REQUEST UPDATED SIGNAL TIMINGS FROM FDOT TSM&O ENGINEER-ARTERIALS (863-519-2216) WHEN ALL LANES, STRIPPING, SIGNALS AND PEDESTRIAN FACILITIES ARE IN FINAL CONFIGURATION AND THE SIGNAL IS OPERATING AS DESIGNED. PROVIDE FDOT WITH ALL "AS-BUILT" INFORMATION NECESSARY TO DEVELOP THE BASIC SIGNAL TIMING PARAMETERS AND ALLOW THREE WEEKS FOLLOWING THE REQUEST FOR FDOT TO DEVELOP THE UPDATED TIMINGS. PROGRAM THE CONTROLLER PER THE TIMING PROVIDED BY FDOT.

DETECTORS FOR LOOPS								
LOOP	NO. OF NEW DETS.	CONNECT TO MOVEMENT	DELAY TIME (SEC)					
L - 1	1	1						
L - 2A L - 2B	1	2						
L - 2C L - 2D	1	2						
L - 2E L - 2F	1	1 2						
L - 3	1	3 & 11						
L - 4A L - 4B	2	4	8					
L - 5	1	5						
L-6A L-6B	1	6						
L - 6C L - 6D	1	6						
L-6E L-6F	1	6						
L - 7	1	7 & 15						
L - 8A L - 8B	2	8	8					
L 0D								

DELAY TIME IS INITIAL AND MAY REQUIRE FIELD ADJUSTING AS DIRECTED BY PROJECT ENGINEER.

CONTROLLER TIMINGS (SECONDS)											
MOVEMENT NUMBER	1	2	3	4	5	6	7	8	11	15	NOTES
DIRECTION	EBL	WB	SBL	NB	WBL	EΒ	NBL	SB	SBL	NBL	
TURN TYPE	PROT/ PERM		PROT		PROT/ PERM		PROT		PROT	PROT	OLA=6+7+15
MIN GREEN	5	8	5	10	5	8	5	10	5	5	
EXT.	3	5	3	5	3	5	3	5	3	3	
YELLOW	4.8	4.8	4.0	4.0	4.8	4.8	4.0	4.0	4.0	4.0	
ALL RED	3.3	3.3	3.5	2.0	3.1	3.3	3.7	2.0	3.5	3.7	
MAX I	17	57	28	49	14	60	27	44	28	27	
MAX II											
MAX LIMIT											
ADJUST BY											
WALK		7		7		7		7			
FLASHING DON'T WALK		23		24		29		36			
DETECTOR MEMORY			NL				NL		NL	NL	
DET. CROSS SWITCH	YES				YES						
DUAL ENTRY		ON				ON					
RECALL		MIN				MIN					

PRE-EMPTION TIMINGS								
PRE-EMPTION TIMING PLAN	1	2	3 (WB)	4 (EB)	5 (NB)	6 (SB)		
PRIORITY			6	6	6	6		
DELAY BEFORE PREEMPTION (SEC)			0	0	0	0		
MINIMUM GREEN BEFORE PRE-EMPTION (SEC)			*	*	*	*		
LOCK CALL			OFF	OFF	OFF	OFF		
MAXIMUM PRESENCE (SEC)			60	60	60	60		
YELLOW CLEARANCE (SEC)			**	**	**	**		
RED CLEARANCE (SEC)			**	**	**	**		
DWELL PHASE (SEC)			2 & 5	1 & 6	7 & 4	8 & 3		
MINIMUM DWELL (SEC)			15	15	7	7		
YELLOW CLEARANCE (SEC)**			**	**	**	**		
RED CLEARANCE (SEC)**			**	**	**	**		
EXIT PHASES			2 & 6	2 & 6	2 & 6	2 & 6		



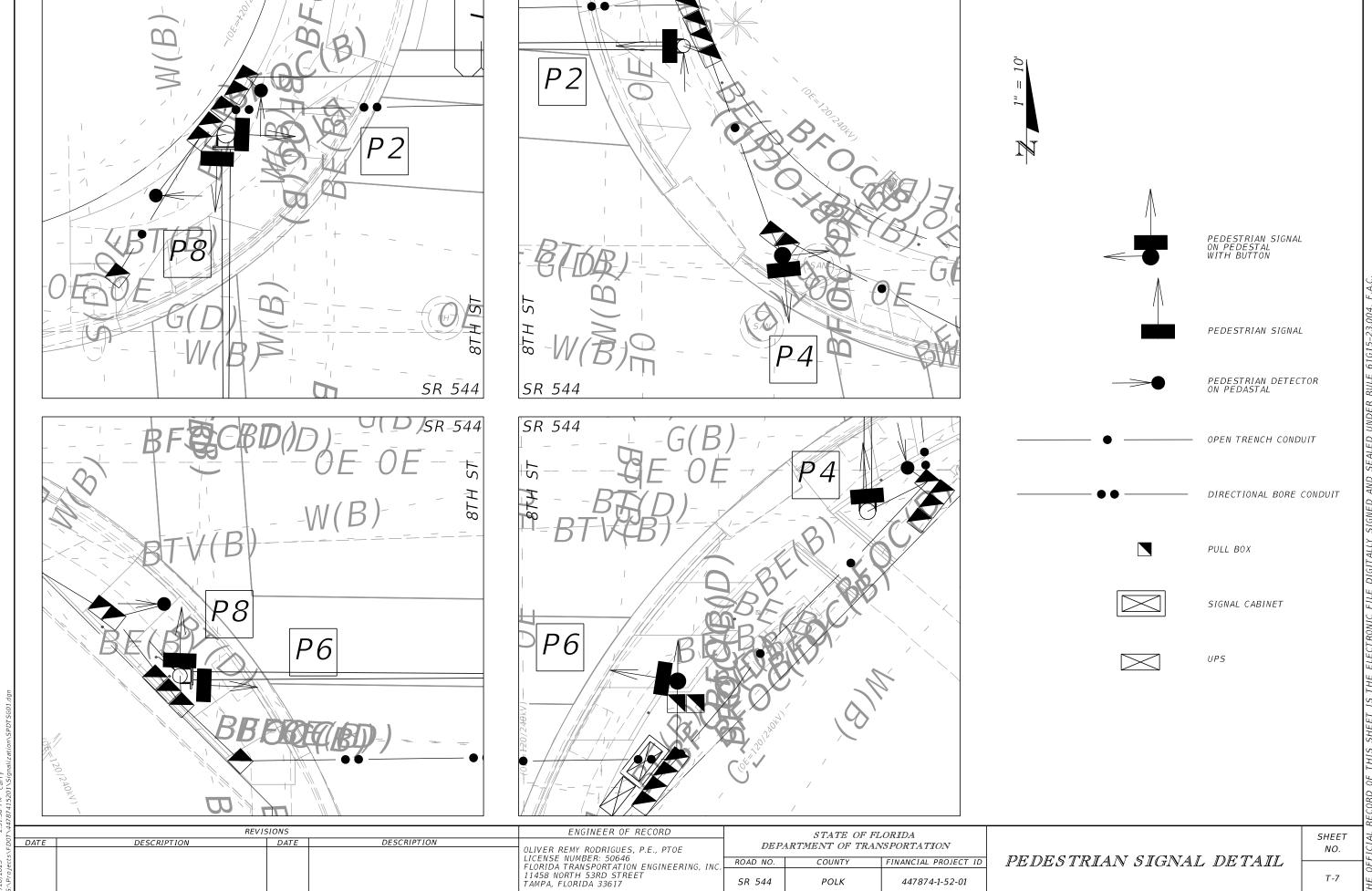
PRE-EMPTION NOTES:

- *ENTRY INTO PRE-EMPTION SHALL NOT VIOLATE MINIMUM GREEN OR PEDESTRIAN CLEARANCE INTERVALS
- **YELLOW AND ALL RED INTERVALS DURING PREEMPTION SHALL BE THE SAME VALUES USED DURING NORMALS CONTROLLER OPERATIONS.

	REVIS	SIONS		ENGINEER OF RECORD	STATE OF FLORIDA			
DATE	DESCRIPTION	DATE	DESCRIPTION	OLIVER REMY RODRIGUES, P.E., PTOE	DEPARTMENT OF TRANSPORTA			
				LICENSE NUMBER: 50646 FLORIDA TRANSPORTATION ENGINEERING, INC.	ROAD NO.	COUNTY	FINANCIAL PROJECT ID	
		11458 NORTH 53RD STREET TAMPA, FLORIDA 33617	11458 NORTH 53RD STREET	SR 544	POLK	447874-1-52-01		

SIGNALIZATION PLAN

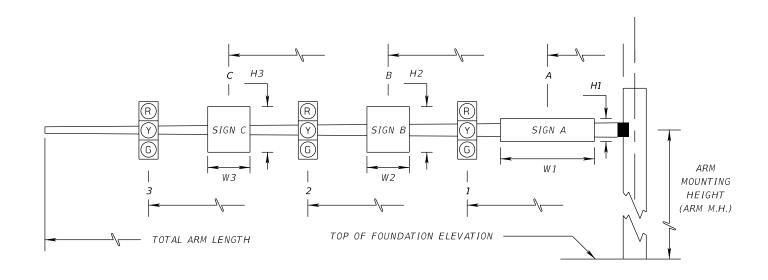
SHEET NO.



SR 544

POLK

447874-1-52-01



* DENOTES NUMBER OF SECTIONS IN SIGNAL HEAD ASSEMBLY

	PRO	OPOSED MAST A	RM ASSE	MBL	Y				SIGNAL DATA DISTANCE FROM POLE																9	S I GN	DATA	ı							
ID	SHEET	LOCATION	TOP OF FOUND. ELEVATION	RDWY ARM NO.	CROWN ELEV.	LUMI -	TERM.	SIGNAL	BACK	PED.			DI	STA	NCE F	ROM	POLE			TOTAL	ARM	ANGLE BETWEEN		DIST	TANCE	FROM	POLE	/ HE	E I GHT	AND	WIDTH	H OF S	IGN		PAINT
NO .	NO.	BY STA.	ELEVATION	NO.	ELEV.	Y/N	Y/N	V/H	Y/N	Y/N	1	*	2	*	3	*	4	*	5	* LENGTI	∦М.Н.	ANGLE BETWEEN DUAL ARMS 90/270	Α	H1	W 1	В	H2	W2	С	Н3	W3	D	Н4	W4	COLOR
1	T - 4	274+96.00	165.55'	1	165.75'	N	N	V	Y	Y	41.6	3	53.3	3	64.1	4				70	21.0		10.0	2.0	4.0	<i>35.3</i>	2.5	2.5							
																													<u> </u>						
2	T - 4	274+98.00	164.87'	1	165.88'	N	N	V	Y	Υ	25.6	3	36.5	3	47.6	3				50	21.5		12.0	2.0	7.0	20.0	2.5	2.5	42.0	2.0	2.0				
																													<u> </u>						
3	T - 4	275+95.50	165.66'	1	165.90'	N	N	V	Y	Y	16.6	3	27.6	3	38.6	3				40	20.5		5.0	2.0	6.0	11.5	2.5	2.5	33.1	2.0	2.0				
																													Ī						
4	T - 4	276+31.00	165.60'	1	165.91'	N	N	V	Y	Υ	22.4	5	40.4	3	51.4	4				60	21.0		5.5	2.0	4.0	11.9	2.5	2.5	Ī				T		
																													Ī						

* DENOTES NUMBER OF SECTIONS IN SIGNAL HEAD ASSEMBLY

Fl	JTU	RE MAS	T ARM ASSEM	IBLY WITH	I SPL	IT PHASE					SIGNAL DATA																SIGN	DATA	4							
I	D S	SHEET	LOCATION	TOP OF	RDWY	CROWN	LUMI -	TERM.	SIGNAL	BACK	PED.			D.	I ST A	ANCE I	ROI	M POLE			TOTAL	ARM	ANGLE BETWEEN		DIS	STANC	E FROM	POLE	- / HE	∃ I GHT	AND	WIDTE	1 OF 5	5 I GN		PAINT
N) .	NO.	BY STA.	TOP OF FOUND. ELEVATION	NO.	CROWN ELEV.	Y/N	Y/N	V/H	Y/N	Y/N	1	*	2	*	3	*	4	*	5	* LENGT	н М.Н	ANGLE BETWEEN DUAL ARMS 90/270	Α	H1	W 1	В	H2	W2	С	Н3	W3	D	Н4	W4	COLOR
	1	T - 4	274+96.00	165.55'	1	165.75'	N	N	V	Υ	Y	41.6	3	53.3	3	64.1	4				70	21.)	10.	0 2.0	4.0	35.3	2.5	2.5							
																																	<u> </u>		<u> </u>	<u> </u>
	?	T - 4	274+98.00	164.87	1	165.88'	N	N	V	Υ	Y	25.6	3	36.5	5	47.6	3				50	21	5	12.	0 2.0	7.0	20.0	2.5	2.5	42.0	2.0	2.0	<u> </u>			
																																			<u> </u>	
-	3	T - 4	275+95.50	165.66'	1	165.90'	N	N	V	Y	Y	16.6	3	27.6	5	38.6	3				40	20	5	5.0	2.0	6.0	11.5	2.5	2.5	33.1	2.0	2.0				
		- 1		1	-			L		V			_	l	+_	L							_	<u> </u>		-		<u> </u>				+		+		
	1	T - 4	276+31.00	165.60'	1	165.91'	N	l N	V	Y	Y	22.4	5	40.4	3	51.4	4				60	21.	7	5.5	2.0	4.0	11.9	2.5	2.5		+-	+-		+		

	REVIS	SIONS		ENGINEER OF RECORD		STATE OF FL	ORIDA	
DATE	DESCRIPTION	DATE	DESCRIPTION	OLIVER REMY RODRIGUES, P.E., PTOE	DEP.	ARTMENT OF TRAN		
				LICENSE NUMBER: 50646 FLORIDA TRANSPORTATION ENGINEERING, INC.	ROAD NO.	COUNTY	FINANCIAL PROJECT ID	
				11458 NORTH 53RD STREET TAMPA, FLORIDA 33617	SR 544	POLK	447874-1-52-01	

MAST ARM TABULATION

SHEET NO.

2/20/2023 2:37:07 PM Carry

		STANDARD	MAST A	RM ASS	EMBLIES	5 DATA	TABLE					Table Date 11-01-16
STRUCTURE	POLE		FIRST	ARM	SECON	ID ARM	- UF	1.1		POLE	1	DRILLED
ID NUMBERS	NUMBER	DESIGNATION	ARM ID	FAA (ft.)	ARM ID	SAA (ft.)	(deg)	LL (deg)	POLE ID	UAA (ft.)	UB (ft.)	SHAFT ID
	1	A70/S-P5/S	A70/S	N/A	N/A	N/A	N/A	N/A	P5/S	24.0	21.0	DS/20/5.0
	2	A50/S-P3/S	A50/S	N/A	N/A	N/A	N/A	N/A	P3/S	24.5	21.5	DS/16/5.0
	3	A40/S-P2/S	A40/S	N/A	N/A	N/A	N/A	N/A	P2/S	23.5	20.5	DS/16/4.5
	4	A60/S-P4/S	A60/S	N/A	N/A	N/A	N/A	N/A	P4/S	24.0	21.0	DS/16/5.0

NOTES [NOTES DATE 11-01-16]:

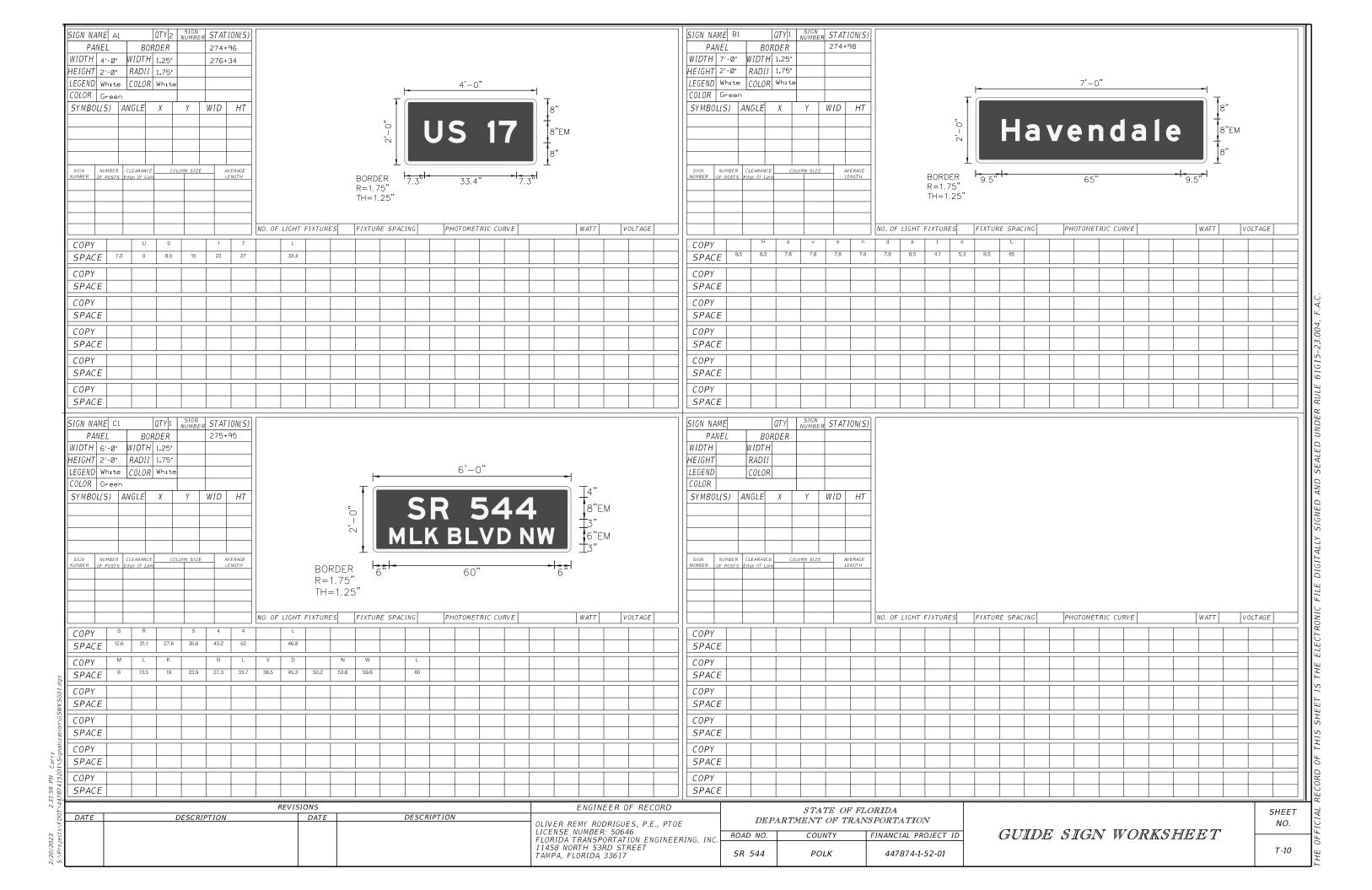
- 1. IF AN ENTRY APPEARS IN COLUMN FAA, A SHORTER ARM IS REQUIRED. THIS IS OBTAINED BY REMOVING LENGTH FROM THE ARM TIP AND THE ARM LENGTH SHORTENED FROM FA TO FAA. SAA SIMILAR.
- 2. IF AN ENTRY APPEARS IN COLUMN UAA, A SHORTER POLE IS REQUIRED. THIS IS OBTAINED BY REMOVING LENGTH FROM THE POLE TIP AND THE POLE HEIGHT SHORTENED FROM UA TO UAA.
- 4. WORK THIS SHEET WITH THE SIGNAL DESIGNER'S "MAST ARM TABULATION". SEE "MAST ARM TABULATION" FOR SPECIAL INSTRUCTIONS THAT INCLUDE NON-STANDARD HANDHOLE LOCATION, PAINT COLOR, TERMINAL COMPARTMENT REQUIREMENT, AND PEDESTRIAN FEATURES.
- 4. WORK WITH INDEX 649-030 AND 649-031.

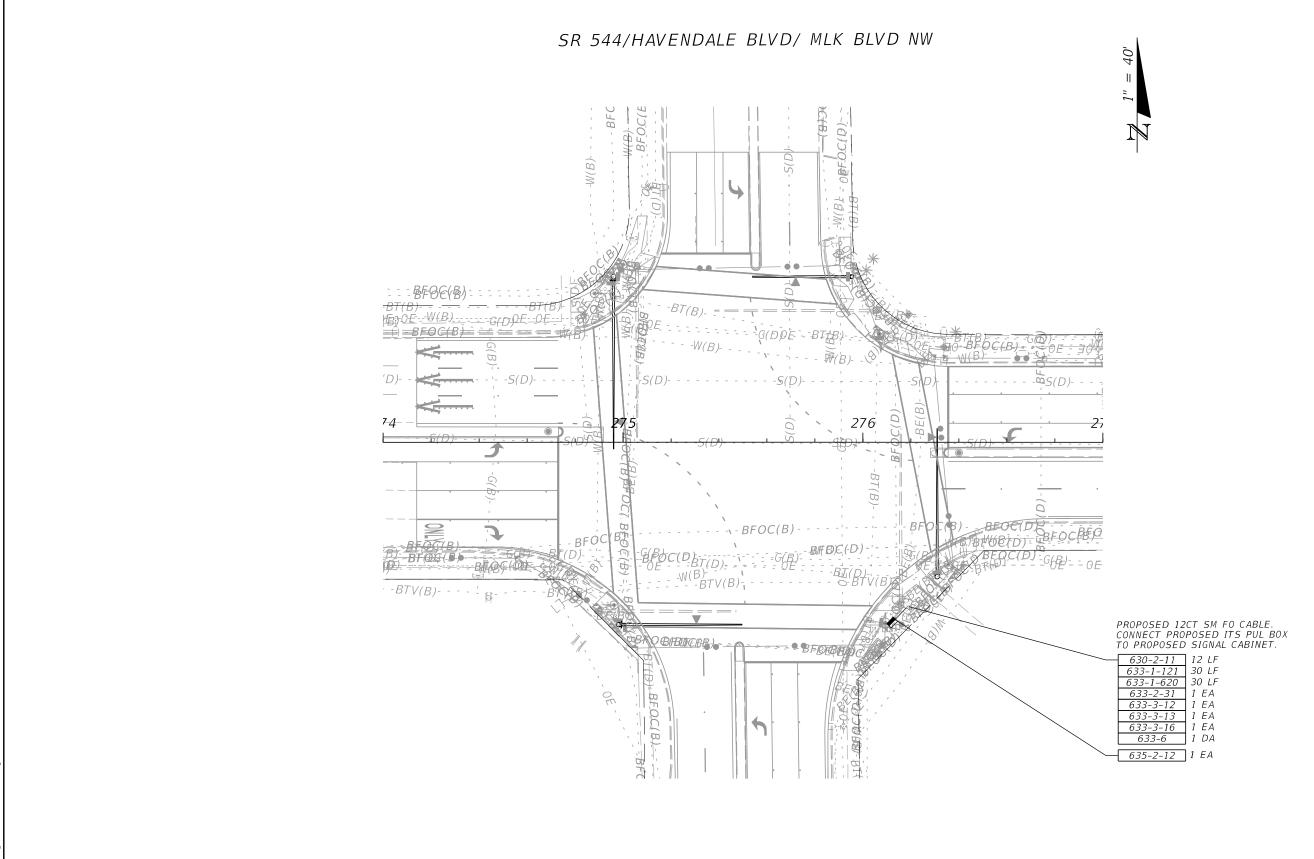
		FOUND	ATION DATA TAB	LE	
STRUCTURE ID NUMBERS	POLE NUMBER	SOIL TYPE	EFFECTIVE SOIL WEIGHT (PCF)	SOIL FRICTION ANGLE (DEGREES)	AVERAGE SPT N-VALUE
	1	SAND	42.6	29	8
	2	SAND	42.6	29	8
	3	SAND	42.6	29	8
	4	SAND	42.6	29	8

NOTES:

- 1. FOUNDATION DESIGN BASED ON A DATA PROVIDED BY THE FDOT DISTRICT 1/7 MATERIALS OFFICE.
- 2. FOR SOIL ASSUMPTIONS AND VALUES USED IN DESIGN, SEE FOUNDATION DATA TABLE. WATER TABLE IS ASSUMED TO BE AT THE SOIL SURFACE.

	REVIS	IONS		ENGINEER OF RECORD		STATE OF FL	ORIDA
DATE	DESCRIPTION	DATE	DESCRIPTION	JOHNNY FUNG, P.E.	DEPA	ARTMENT OF TRAI	
				LICENSE NUMBER: 64669 PATEL, GREENE & ASSOCIATES, LLC	ROAD NO.	COUNTY	FINANCIAL PROJECT ID
				12570 TELECOM DRIVE TEMPLE TERRACE, FL 33637	SR 544	POLK	447874-1-52-01





2/20/2023 2:32:01 PM Carry S:\Pro\ects\FDOT\44787415201\S\gnalization\P

	REVIS	SIONS		ENGINEER OF RECORD	STATE OF FLORIDA			
DATE	DESCRIPTION	DATE	DESCRIPTION	OLIVER REMY RODRIGUES, P.E., PTOE	DEP_{A}	ARTMENT OF TRAI	NSPORTATION	
				LICENSE NUMBER: 50646	ROAD NO.	COUNTY	FINANCIAL PROJECT ID	
				FLORIDA TRANSPORTATION ENGINEERING, INC. 11458 NORTH 53RD STREET TAMPA, FLORIDA 33617	SR 544	POLK	447874-1-52-01	

ITS PLAN

SHEET NO.

POLE DATA

POLE NO.	CIRCUIT	STATION	DIST. OR ARM	LUMENS	LUMINAIRE WATTAGE	MOUNT ING HEIGHT	POLE SETBACK	PAY ITEM
1	EXIST.	274+66.70	8'	15,607	133W	30 '	51.60' RT.	715-11-211
2	EXIST.	275+14.79	8'	15,607	133W	30 '	147.21' RT.	715-11-211
3	EXIST.	275+91.95	8'	15,607	133W	30'	118.40' RT.	715-11-211
4	EXIST.	276+41.90	12'	15,607	133W	30'	51.27' RT.	715-11-211

SIGNALIZED INTERSECTION LIGHTING RETROFIT CRITERIA

AVERAGE INITIAL INTENSITY (H.F.C.) UNIFORMITY RATIO – AVG./MIN. MAX./MIN.

1.5 STD.; 1.0 MIN. (H.F.C.) 4:1 OR LESS 10:1 OR LESS

AVERAGE INITIAL INTENSITY IN CROSSWALK FOR APPROACH MOVEMENT (V.F.C.)

1.5 STD.; 1.0 MIN. (V.F.C.)

WIND SPEED

140 MPH

LEGEND

SYMBOL

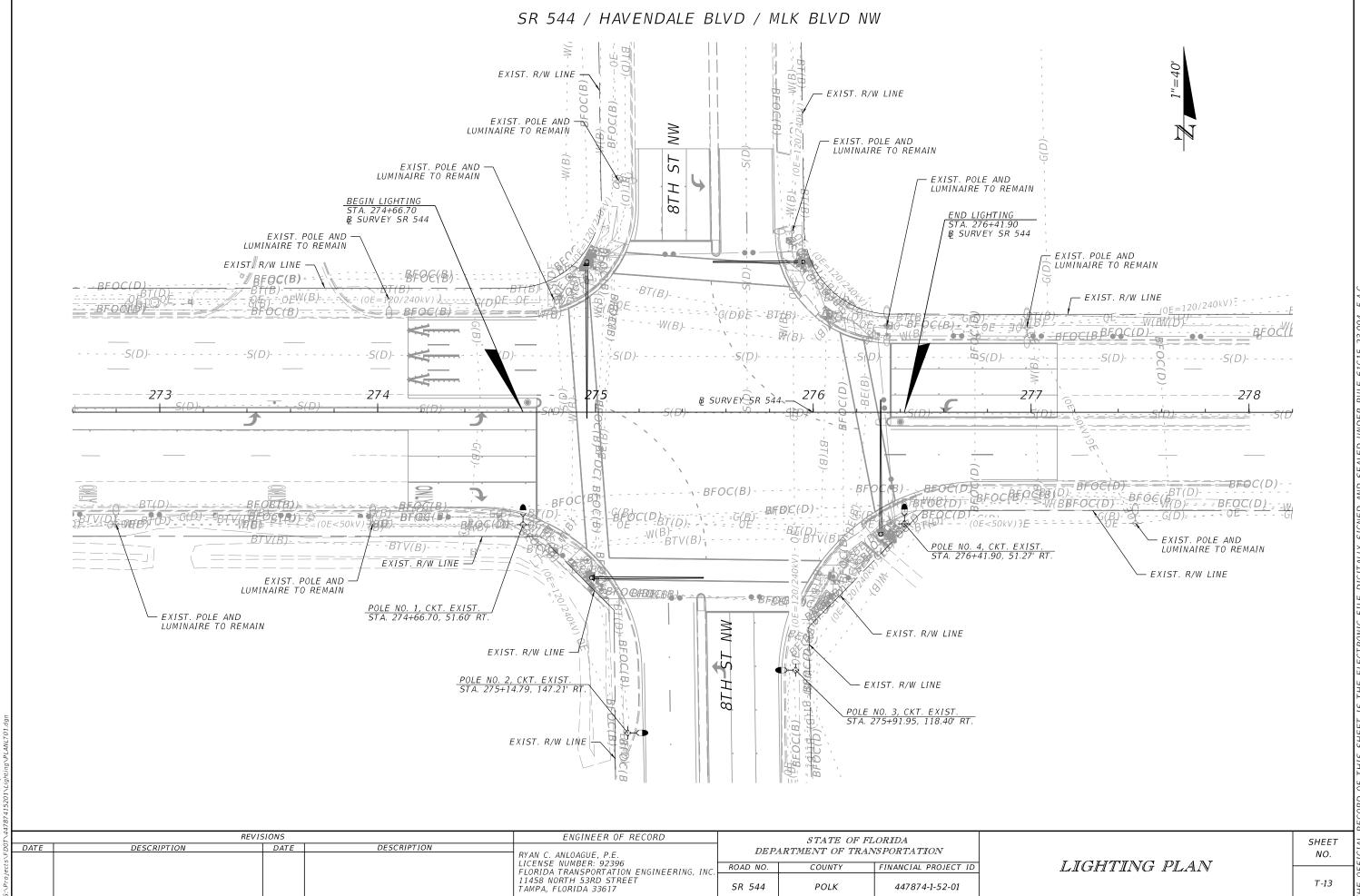
DESCRIPTION



EXISTING LUMINAIRE TO BE RETROFITTED WITH 133W LED LUMINAIRE, DESIGNED FOR 15,607 LUMENS, AND TYPE III ROADWAY DISTRIBUTION. ANALYZED USING ATB2_40BLEDE10_MVOLT_R3_3K.IES.

EXISTING POLE AND LUMINAIRE TO REMAIN

	REVIS	IONS		ENGINEER OF RECORD		STATE OF FL	ORIDA	i
DATE	DESCRIPTION	DATE	DESCRIPTION		DE.P.	ARTMENT OF TRAN		i
				RYAN C. ANLOAGUE, P.E.	1013111	ARTHURITA CA TACAT	101 01(1111101)	i
				LICENSE NUMBER: 92396 FLORIDA TRANSPORTATION ENGINEERING, INC.	ROAD NO.	COUNTY	FINANCIAL PROJECT ID	ı
				11458 NORTH 53RD STREET TAMPA, FLORIDA 33617	SR 544	POLK	447874-1-52-01	



SR 544

POLK

447874-1-52-01