

CONTRACT PLANS COMPONENTS  
 ROADWAY PLANS  
 SIGNING AND PAVEMENT MARKING PLANS  
 SIGNALIZATION PLANS  
 LIGHTING PLANS

STATE OF FLORIDA  
 DEPARTMENT OF TRANSPORTATION

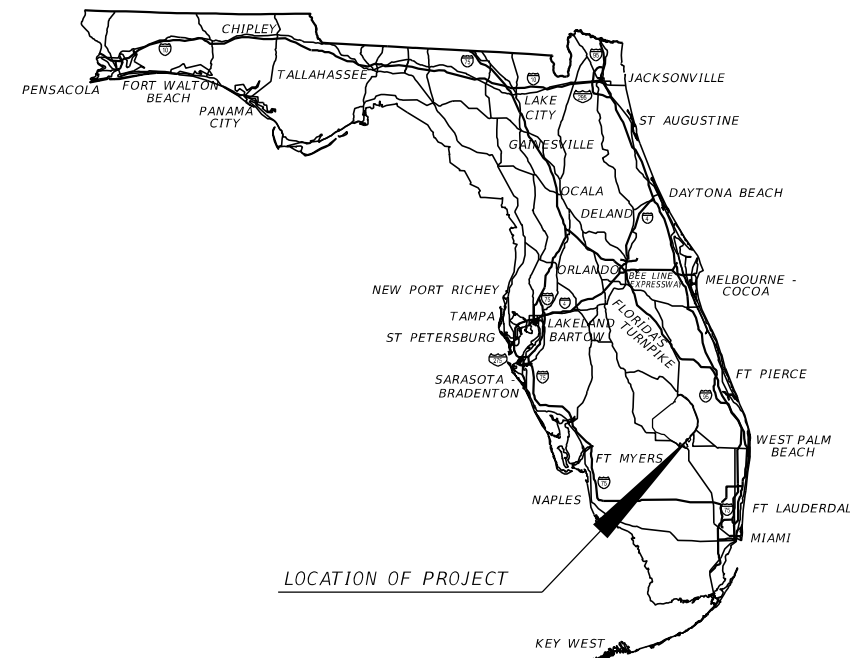
SIGNALIZATION PLANS

FINANCIAL PROJECT ID 449656-1-52-01  
 (FEDERAL FUNDS)

OKEECHOBEE COUNTY (91020)

STATE ROAD NO. 15

SR 15 (US 441) AT 28TH STREET SAFETY IMPROVEMENT



A DETAILED INDEX APPEARS ON THE  
 KEY SHEET OF EACH COMPONENT

INDEX OF SIGNALIZATION PLANS

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T-4	PEDESTRIAN SIGNAL DETAILS
T-5	STANDARD MAST ARM TABULATION
T-6	INTERNALLY ILLUMINATED STREET SIGN DETAILS

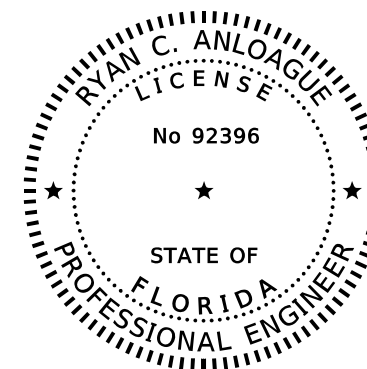
PROJECT LOCATION URL: <https://tinyurl.com/2s6jx3w6>

PROJECT LIMITS: BEGIN MP 1.369 - END MP 1.373

EXCEPTIONS: NONE

BRIDGE LIMITS: NONE

RAILROAD CROSSING: NONE



THIS ITEM HAS BEEN DIGITALLY  
 SIGNED AND SEALED BY

ON THE DATE ADJACENT TO THE SEAL

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SIGNALIZATION PLANS  
 ENGINEER OF RECORD:

RYAN C. ANLOAGUE, P.E.  
 P.E. LICENSE NUMBER 92396  
 FLORIDA TRANSPORTATION ENGINEERING, INC  
 11458 N 53RD STREET  
 TAMPA, FLORIDA, 33617.  
 (813) 989-0729. EXT. 113.  
 CONTRACT NO.: CA148  
 VENDOR NO.: F65-0183924

FDOT PROJECT MANAGER:

JEFFREY MEDNICK

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>

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 IIR SUBMITTAL  
 DECEMBER 2023

CONSTRUCTION CONTRACT NO.	FISCAL YEAR	SHEET NO.
	25	T-1

NOTES TO REVIEWERS:

1. MAINTAINED RIGHT OF WAY COORDINATION IS STILL ONGOING. FOR PROPOSED DESIGN IN THE NORTHWEST AND SOUTHWEST CORNER.
2. PROPOSED SIGNAL TIMINGS TO BE PROVIDED AFTER REVIEW OF THE PHASE II SUBMITTAL PLANS.

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REVISIONS				ENGINEER OF RECORD	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			NOTES TO REVIEWER	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION	RYAN C. ANLOAGUE, P.E. LICENSE NUMBER: 92396 FLORIDA TRANSPORTATION ENGINEERING, INC. 11458 NORTH 53RD STREET TAMPA, FLORIDA 33617	ROAD NO.	COUNTY	FINANCIAL PROJECT ID		T-1A
					SR 15	OKEECHOBEE	449656-1-52-01		

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**PAY ITEM NOTES:**

1. 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.
2. 635-2-11, 635-2-12:  
PULL BOXES ARE TO BE PLACED BEHIND CURB AND GUTTER. IF THERE IS NO CURB AND GUTTER, PULL BOXES MUST BE PLACED A MINIMUM OF 7' FROM THE EDGE OF PAVEMENT. USE POLYMER CONCRETE CONSTRUCTION PULL BOXES WITH POLYMER CONCRETE COVERS.
3. 646-1-11:  
USE LOCKING COLLARS WHEN MOUNTING ALUMINUM PEDESTRIAN POLES TO PEDESTRIAN PEDESTAL BASES. USE BREAKAWAY ALUMINUM SQUARE BASE ASSEMBLIES WITH ALUMINUM DOORS FOR PEDESTRIAN PEDESTALS.
4. 650-1-14, 650-1-16:  
TO AVOID ADDITIONAL STRESS ON EXISTING SIGNAL SUPPORT STRUCTURES DO NOT EXCEED LOAD ON PROPOSED MAST ARM TABULATION TABLE. USE FLEXIBLE SIGNAL HEAD BACK PLATES UNLESS OTHERWISE NOTED IN THE PLANS.
5. 653-1-11:  
PEDESTRIAN SIGNAL HEADS TO BE 16" INTERNATIONAL SYMBOL, LED COUNTDOWN TYPE.
6. 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.
7. 665-1-11:  
USE PEDESTRIAN BUTTON SIGNAL SIGN FTP-68B-06 OR R10-3e. STREET NAME MUST BE IN ACCORDANCE WITH THE STREET NAMES SHOWN ON THE SIGNALIZATION PLAN SHEETS.
8. 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 MAINTAINING AGENCY'S EXISTING SYSTEM.
9. 700-5-21, 700-5-22:  
EXISTING RIGID CONDUIT ATTACHED TO EXISTING SIGNAL POLES TO BE TEMPORARILY SEPARATED FROM POLES (TIE OFF CONDUIT PRIOR TO CONDUIT SEPARATION) FOR THE ATTACHMENT OF INTERNALLY ILLUMINATED STREET NAME SIGN POLE BRACKET ARM CLAMPS. RIGID CONDUIT TO BE REATTACHED TO EXISTING POLE AFTER INSTALLATION OF CLAMPS. ALL INTERNALLY ILLUMINATED STREET NAME SIGNS TO BE MOUNTED FREE SWINGING ON POLE BRACKET ARM ATTACHED TO POLE.

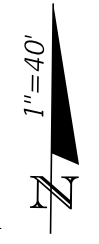
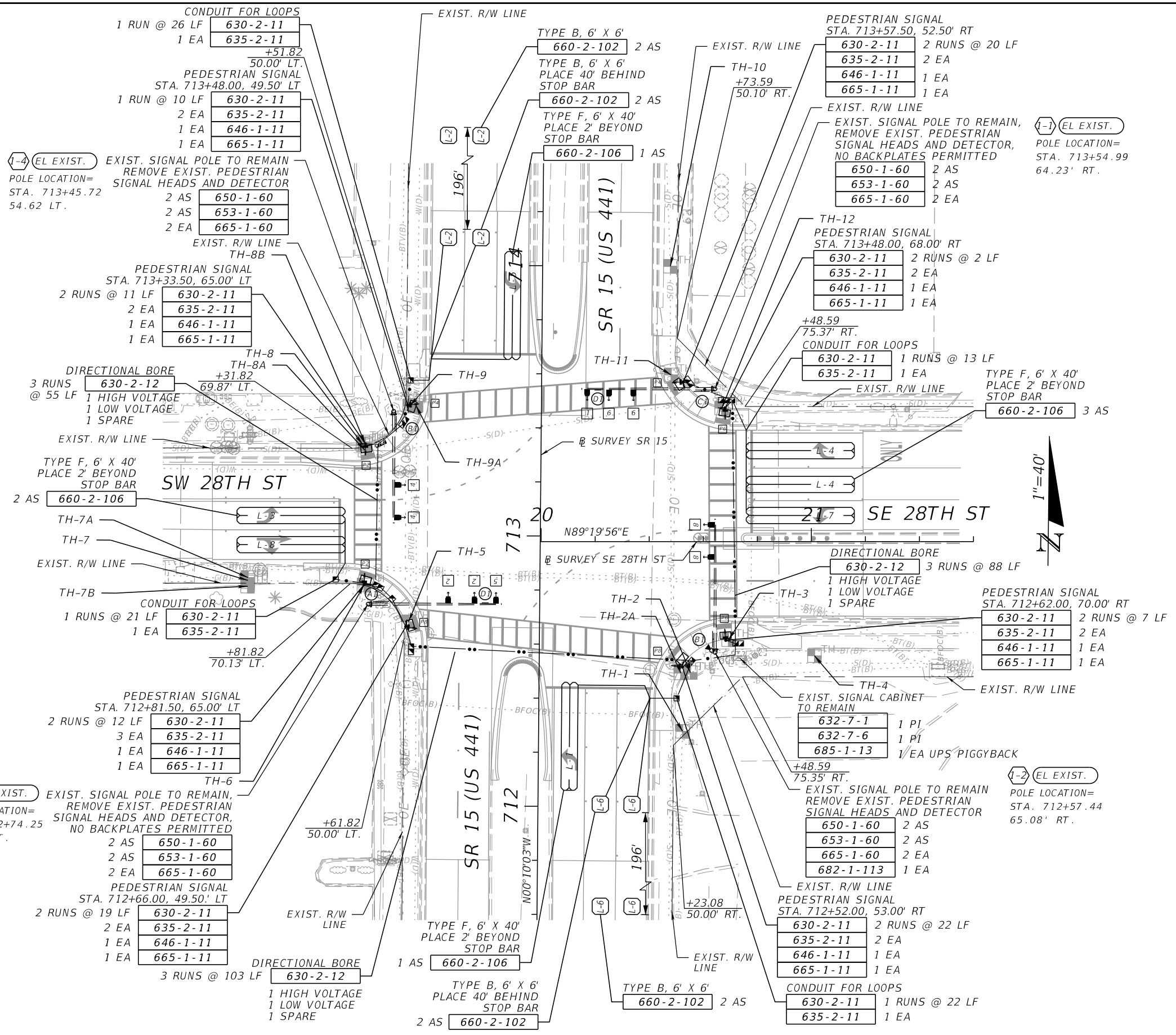
**GENERAL NOTES:**

1. PROPOSED DESIGN ELEMENTS AND LABELS ARE REFERENCING ~~D~~ SURVEY SR 15.
2. FOR REMOVED SIGNAL EQUIPMENT CLAIMED BY MAINTAINING AGENCY, CONTACT \_\_\_\_\_.
3. MAINTAINING AGENCY: OKEECHOBEE COUNTY.
4. PAVEMENT MARKINGS ARE SHOWN FOR REFERENCE PURPOSES ONLY. FOR PAVEMENT MARKING DESIGN INFORMATION, SEE PAVEMENT MARKING PLANS.
5. AT LEAST TWO (2) FULL BUSINESS DAYS PRIOR TO BEGINNING THE TRAFFIC SIGNAL INSTALLATION, CONTACT THE TRAFFIC SIGNAL INSPECTOR/LIAISON:  
  
OKEECHOBEE COUNTY  
CLIFF MINGUS  
FLORIDA DEPARTMENT OF TRANSPORTATION  
HEARTLAND OPERATIONS CENTER - SEBRING  
4722 KENILWORTH BLVD.  
SEBRING, FL 33870  
PH: 863-471-4861 CELL: 863-991-3549
6. AT THE COMPLETION OF THE PROJECT, PROVIDE AS-BUILT PLANS IN ELECTRONIC FORM (PDF) TO:  
  
FDOT TRAFFIC OPERATIONS  
NEAL TURNER, P.E., TSM&O ENGINEER - ARTERIALS  
801 N. BROADWAY AVE.  
P.O. BOX 1249  
BARTOW, FL 33830-1249  
EMAIL: NEAL.TURNER@DOT.STATE.FL.US  
PHONE: 863-519-2216
7. THE LOCATION(S) OF THE UTILITIES SHOWN IN THE PLANS (INCLUDING THOSE DESIGNATED Vv Vh AND Vvh) ARE BASED ON LIMITED INVESTIGATION TECHNIQUES AND SHOULD BE CONSIDERED APPROXIMATE ONLY. THE VERIFIED LOCATION/ELEVATIONS APPLY ONLY AT THE POINTS SHOWN. INTERPOLATIONS BETWEEN POINTS HAVE NOT BEEN VERIFIED.

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REVISIONS				ENGINEER OF RECORD		STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			GENERAL NOTES	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION	RYAN C. ANLOAGUE, P.E. LICENSE NUMBER: 92396 FLORIDA TRANSPORTATION ENGINEERING, INC. 11458 NORTH 53RD STREET TAMPA, FLORIDA 33617		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		T-2
						SR 15	OKEECHOBEE	449656-1-52-01		

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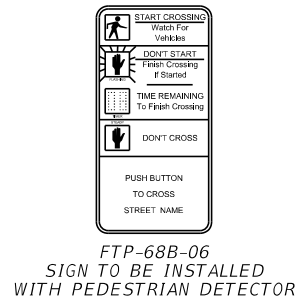
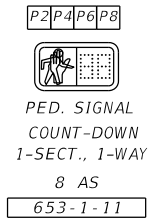
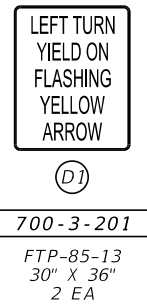
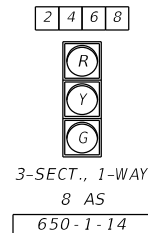
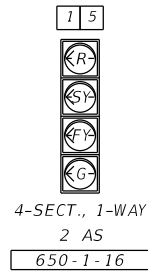
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REVISIONS		ENGINEER OF RECORD		STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION	ROAD NO.	COUNTY	FINANCIAL PROJECT ID	
			RYAN C. ANLOAGUE, P.E. LICENSE NUMBER: 92396 FLORIDA TRANSPORTATION ENGINEERING, INC. 11458 NORTH 53RD STREET TAMPA, FLORIDA 33617	SR 15	OKEECHOBEE	449656-1-52-01	T-3

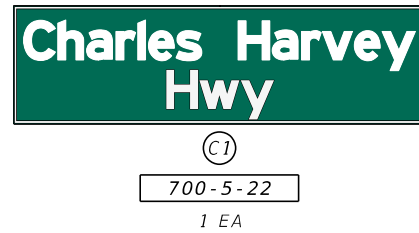
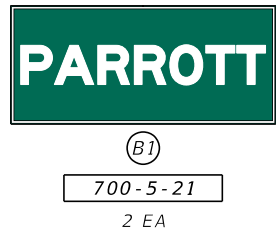
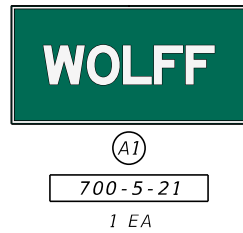
**SIGNALIZATION PLAN**

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**SIGNAL HEAD AND SIGN DETAILS PEDESTRIAN SIGNAL DETAILS**



**INTERNALLY ILLUMINATED STREET NAME SIGNS**



DETECTORS FOR LOOPS					
LOOP	NO. OF LOOPS	NO. OF NEW DETS.	CHANNEL NO.	CONNECT TO MOVEMENT	DELAY TIME (SEC)
L-1	1				
L-2	2				
L-3	1				
L-4	2				
L-5	1				
L-6	2				
L-7	1				
L-8	1				

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

**NOTES:**

- CONTROLLER OPERATION:  
- MAJOR STREET: SR 15  
- MINOR STREET: SW 28TH ST & SE 28TH ST
- POSTED SPEED LIMITS ARE AS FOLLOWS:  
- SR 15 (US 441): 40 MPH  
- SW 28TH ST: 30 MPH  
- SE 28TH ST: 40 MPH
- FLASHING OPERATIONS:  
- YELLOW: 2 & 6  
- RED: ALL OTHER MOVEMENTS

CONTROLLER TIMINGS (SECONDS)									
MOVEMENT NUMBER	1	2	3	4	5	6	7	8	NOTES
DIRECTION									
TURN TYPE									
MIN GREEN									
EXTENSION									
YELLOW									
ALL RED									
MAX I									
MAX II									
MAX LIMIT									
ADJUST BY									
WALK									
FLASHING DON'T WALK									
DETECTOR MEMORY									
DET. CROSS SWITCH									
DUAL ENTRY									
RECALL									

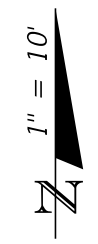
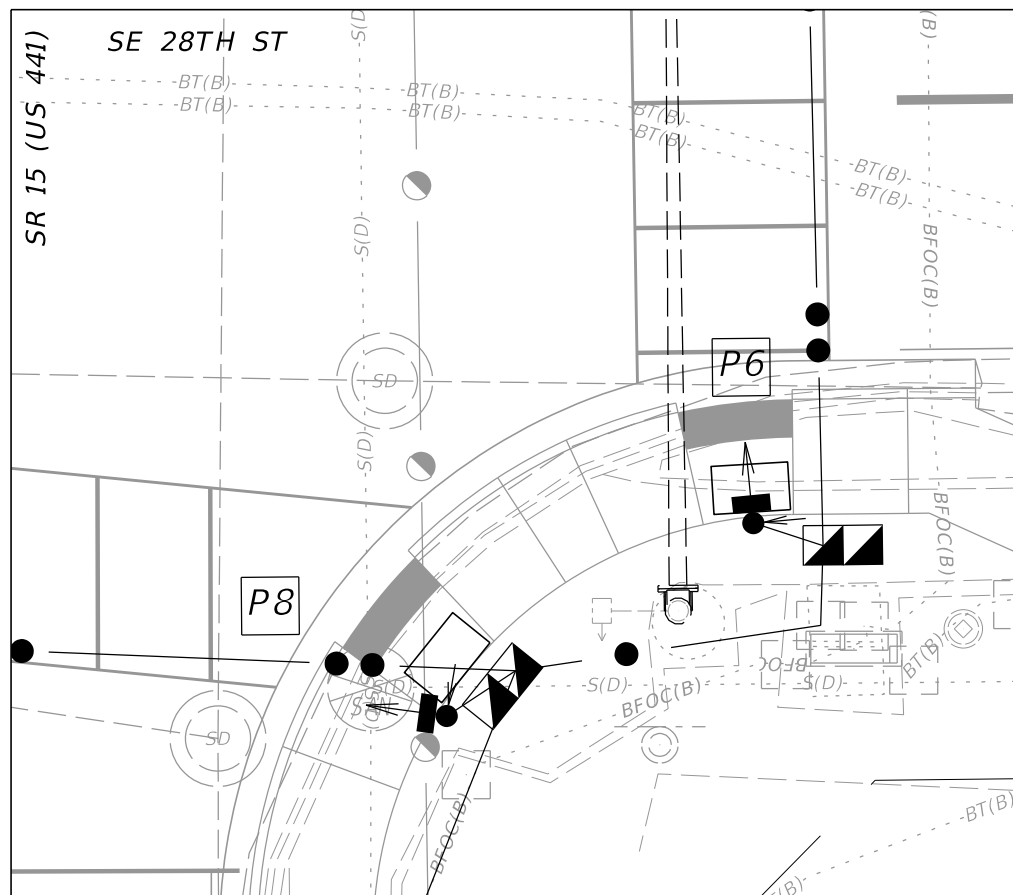
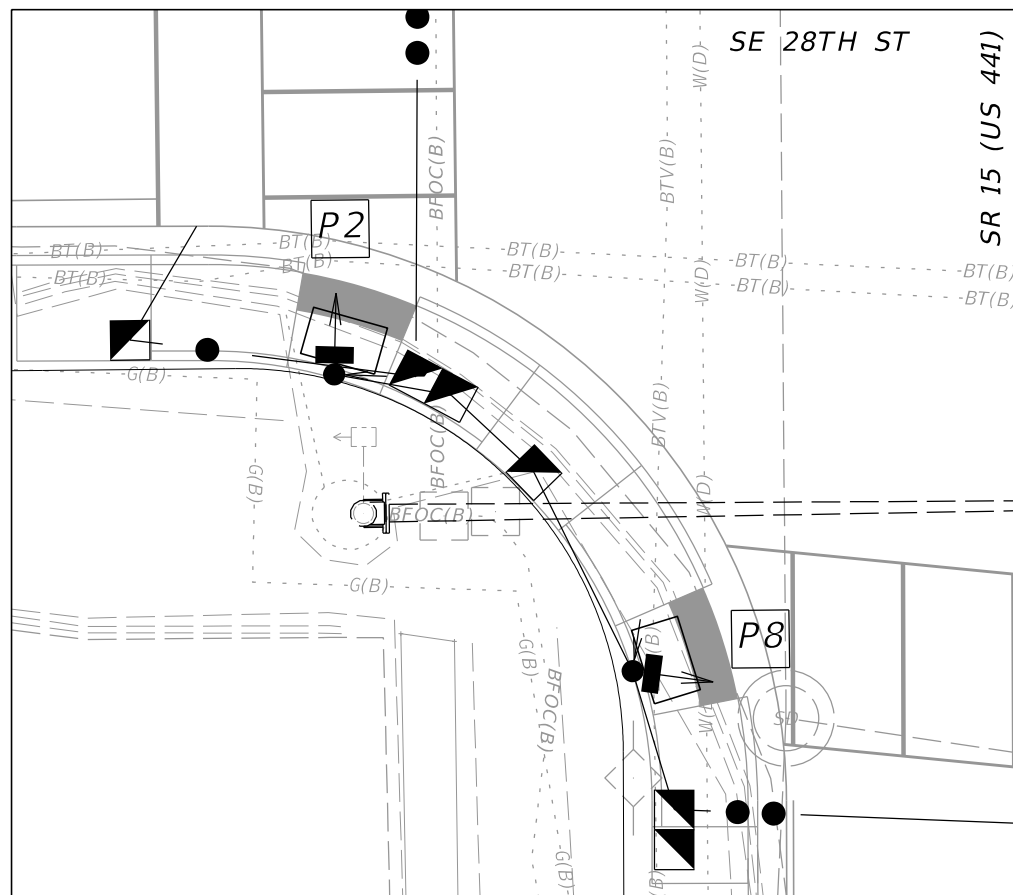
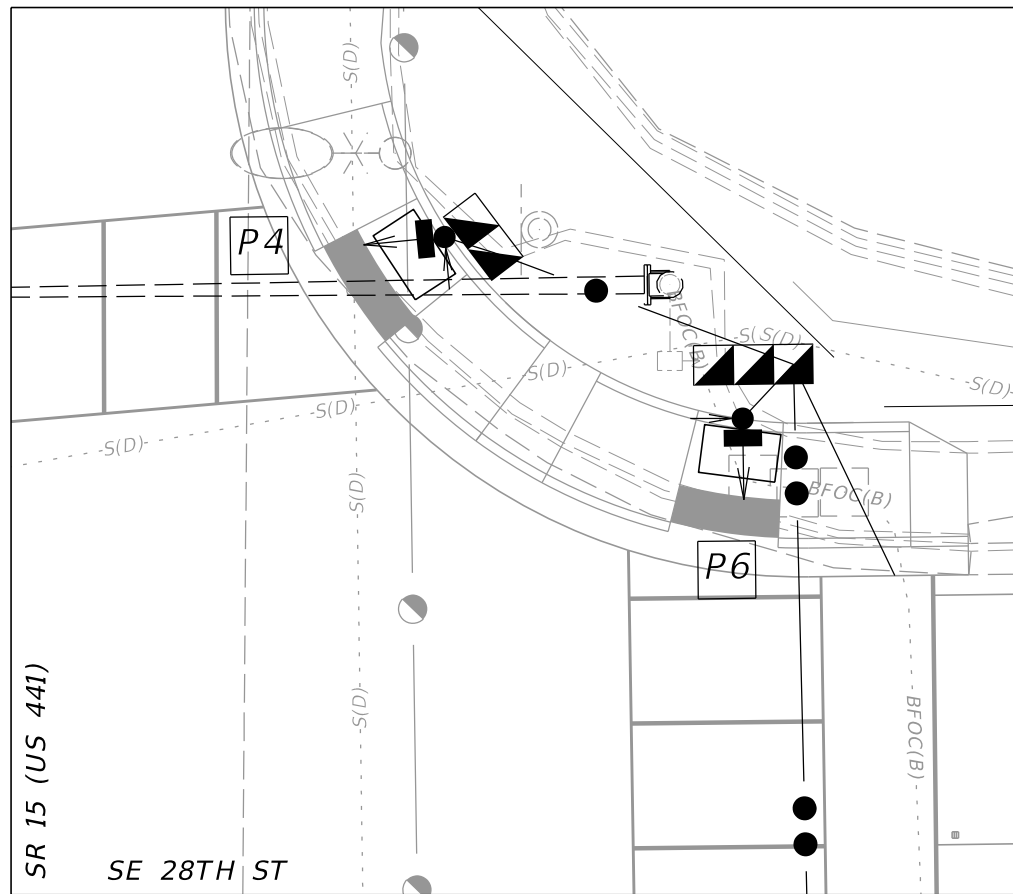
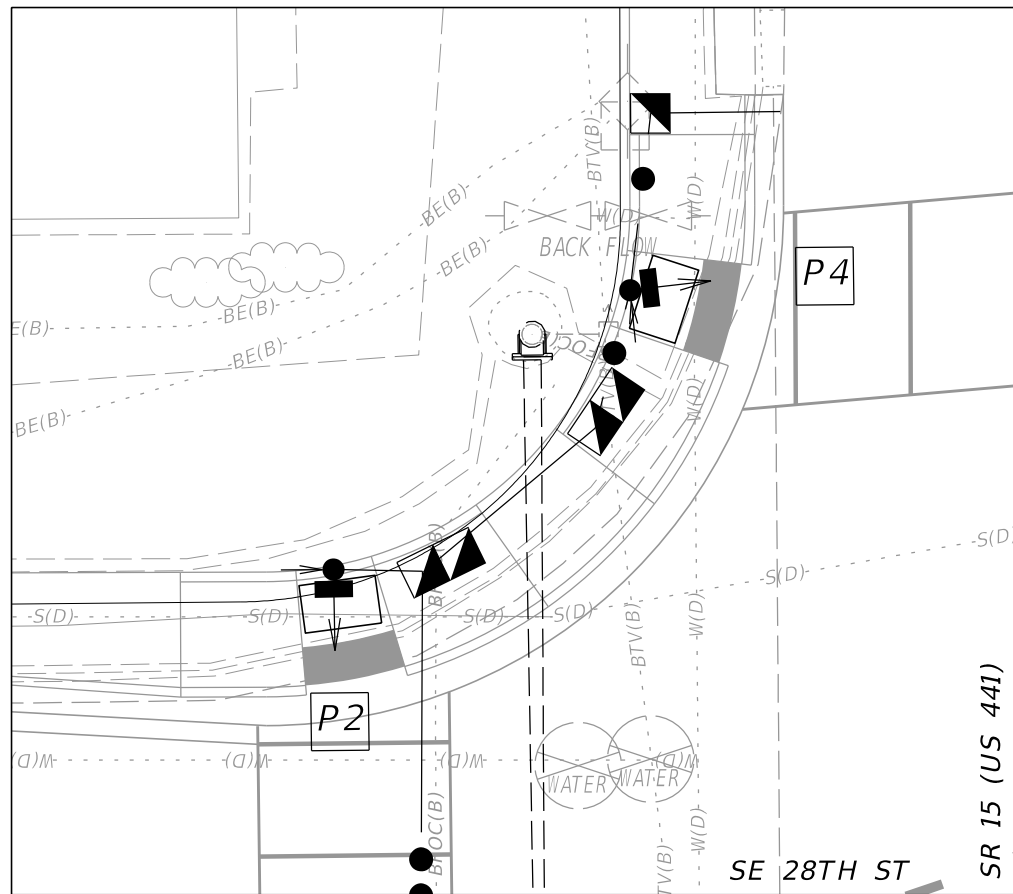
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REVISIONS				ENGINEER OF RECORD		STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			SHEET NO.
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						SR 15	OKEECHOBEE	449656-1-52-01	T-4

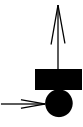



**SIGNALIZATION PLAN**

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**LEGEND**

-  PROPOSED PEDESTRIAN SIGNAL ON PEDESTAL WITH PUSHBUTTON
-  PULL BOX
-  OPEN TRENCH CONDUIT
-  DIRECTIONAL BORE CONDUIT

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

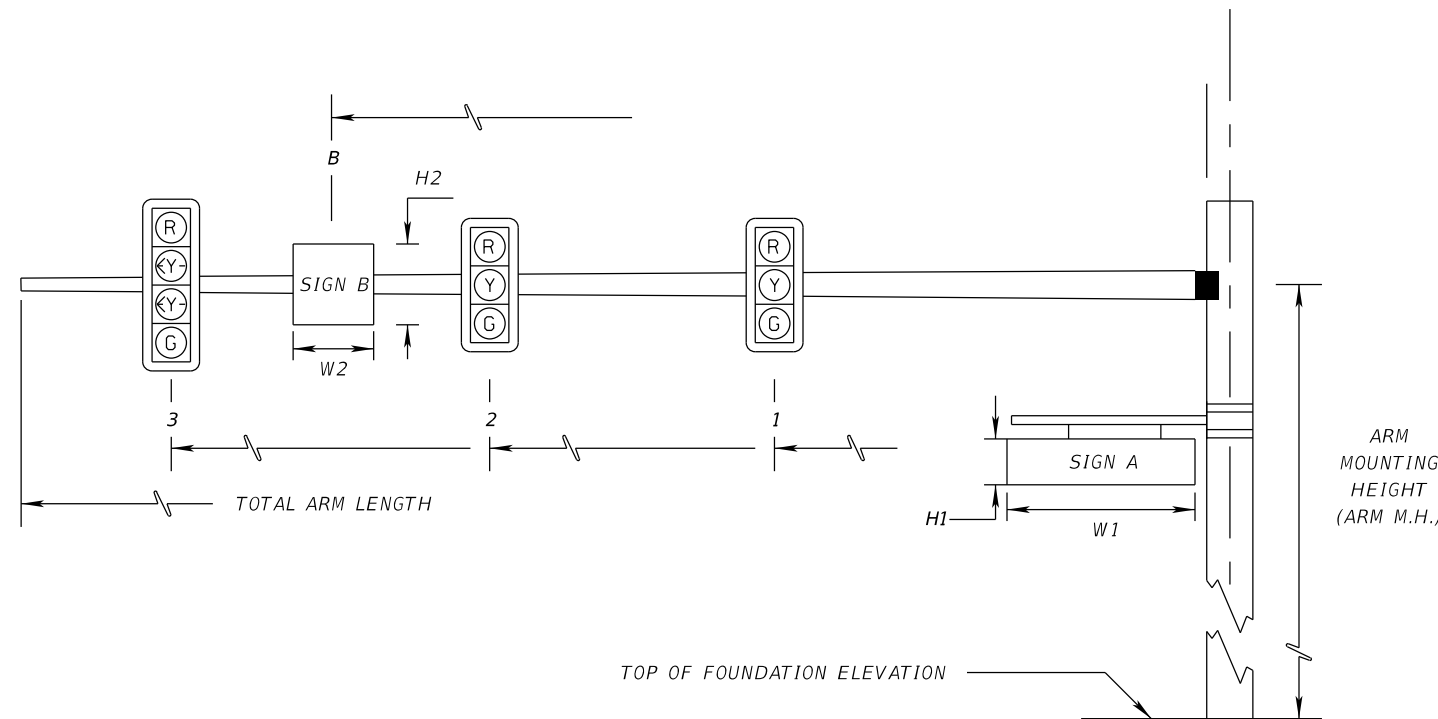
ENGINEER OF RECORD  
 RYAN C. ANLOAGUE, P.E.  
 LICENSE NUMBER: 92396  
 FLORIDA TRANSPORTATION ENGINEERING, INC.  
 11458 NORTH 53RD STREET  
 TAMPA, FLORIDA 33617

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 15	OKEECHOBEE	449656-1-52-01

**PEDESTRIAN SIGNAL DETAILS**

SHEET NO.  
T-5

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\* DENOTES NUMBER OF SECTIONS IN SIGNAL HEAD ASSEMBLY

ID NO.	SHEET NO.	LOCATION BY STA.	TOP OF FOUND. ELEVATION	RDWY ARM NO.	CROWN ELEV.	LUMI - NAIRE Y/N	TERM. COMP. Y/N	SIGNAL DATA										TOTAL ARM LENGTH	ARM M. H.	ANGLE BETWEEN DUAL ARMS 90/270	SIGN DATA												PAINT COLOR	CCTV CAMERA DISTANCE FROM POLE			
								SIGNAL V/H	BACK PLATES Y/N	PED. SIGNAL Y/N	DISTANCE FROM POLE						DISTANCE FROM POLE / HEIGHT AND WIDTH OF SIGN																				
											1	*	2	*	3	*	4				*	A	H1	W1	B	H2	W2	C	H3	W3	D	H4			W4		
1-1	T-3	713+54.99	EXIST.	1		N	N	V	N	N	28.9	3	38.0	3	46.0	4		48	18' - 5"		0.0	2.0	7.0	42.0	2.5	3.0											---
1-2	T-3	712+57.44	EXIST.	1		N	N	V	Y	N	34.0	3	46.0	3				48	18' - 5"		0.0	2.0	4.5														0.0
1-3	T-3	712+74.25	EXIST.	1		N	N	V	N	N	28.3	3	38.0	3	46.0	4		48	18' - 5"		0.0	2.0	4.0	42.0	2.5	3.0											---
1-4	T-3	713+45.72	EXIST.	1		N	N	V	Y	N	26.0	3	38.0	3				40	18' - 3"		0.0	2.0	4.5														---

NOTES:

- EXISTING MAST ARM LENGTHS AND ARM MOUNTING HEIGHTS ARE TAKEN FROM AS-BUILT SIGNALIZATION PLANS FPID 196898-1-52-01.

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REVISIONS				ENGINEER OF RECORD		STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			STANDARD MAST ARM TABULATION	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION	RYAN C. ANLOAGUE, P.E. LICENSE NUMBER: 92396 FLORIDA TRANSPORTATION ENGINEERING, INC. 11458 NORTH 53RD STREET TAMPA, FLORIDA 33617		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		T-6
						SR 15	OKEECHOBEE	449656-1-52-01		

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