

CONTRACT PLANS COMPONENTS

ROADWAY
SIGNING AND PAVEMENT MARKING
SIGNALIZATION

INDEX OF SIGNALIZATION PLANS

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* TO BE SUBMITTED AT PHASE IV

GOVERNING STANDARD PLANS:

Florida Department of Transportation, FY2026-27 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: N/A

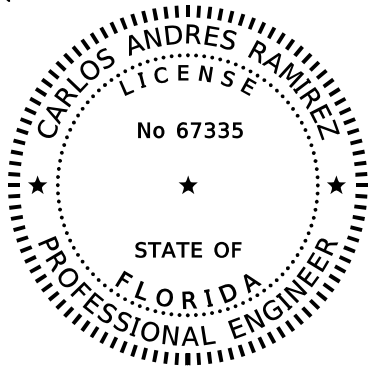
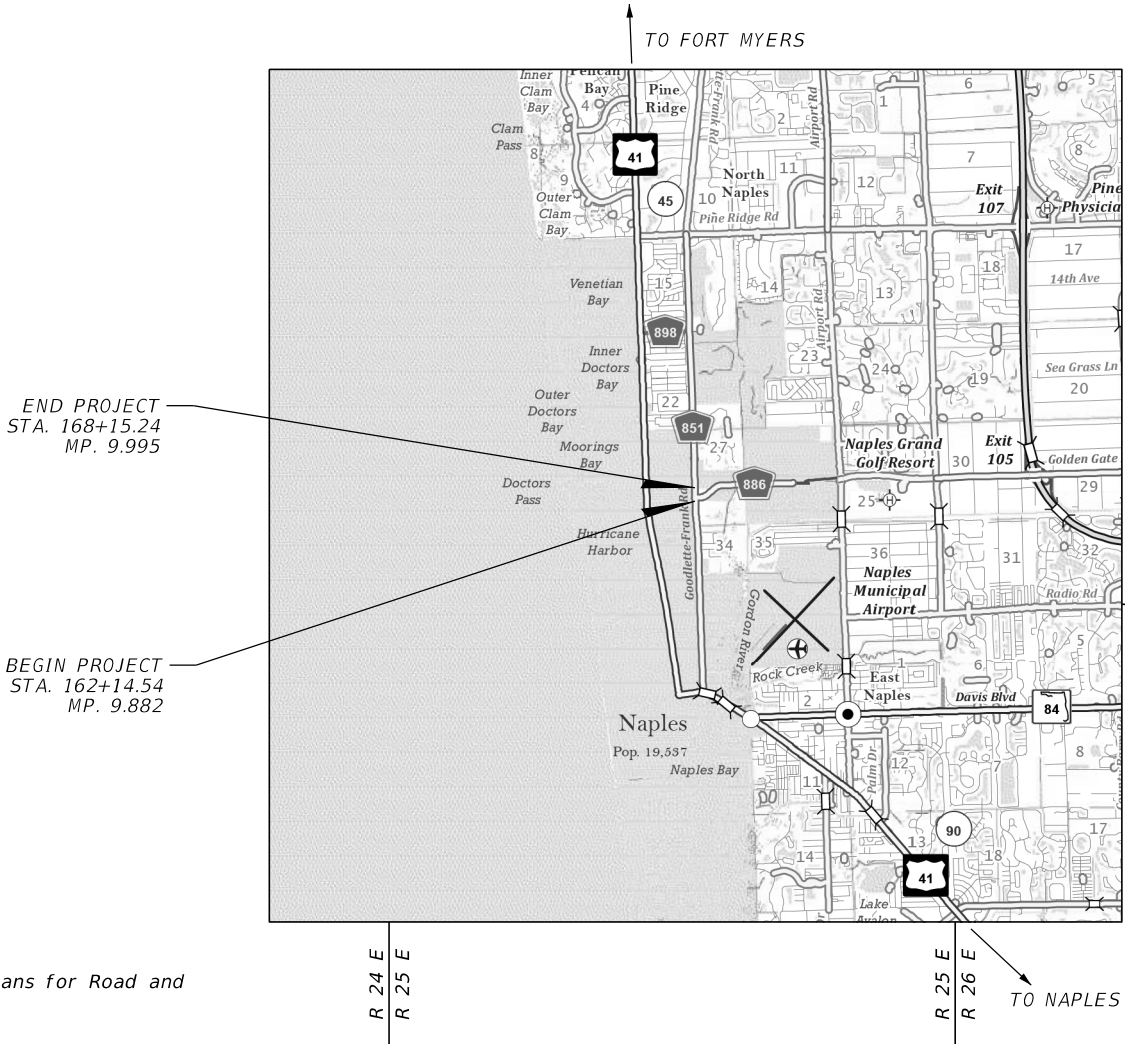
GOVERNING STANDARD SPECIFICATIONS:

Florida Department of Transportation, FY2026-27 Standard Specifications for Road and Bridge Construction at the following website: <http://www.fdot.gov/programmanagement/Implemented/SpecBooks>

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

SIGNALIZATION PLANS

FINANCIAL PROJECT ID 446451-1-52-01
(FEDERAL FUNDS)
COLLIER COUNTY (03010)
STATE ROAD NO. 45 (US 41)
AT CR 886 (GOLDEN GATE PKWY.)



THIS ITEM HAS BEEN DIGITALLY
SIGNED AND SEALED BY

ON THE DATE ADJACENT TO THE SEAL

SIGNATURE MUST BE VERIFIED
ON ANY ELECTRONIC COPIES.

PH IIR PLANS
JANUARY 23, 2026

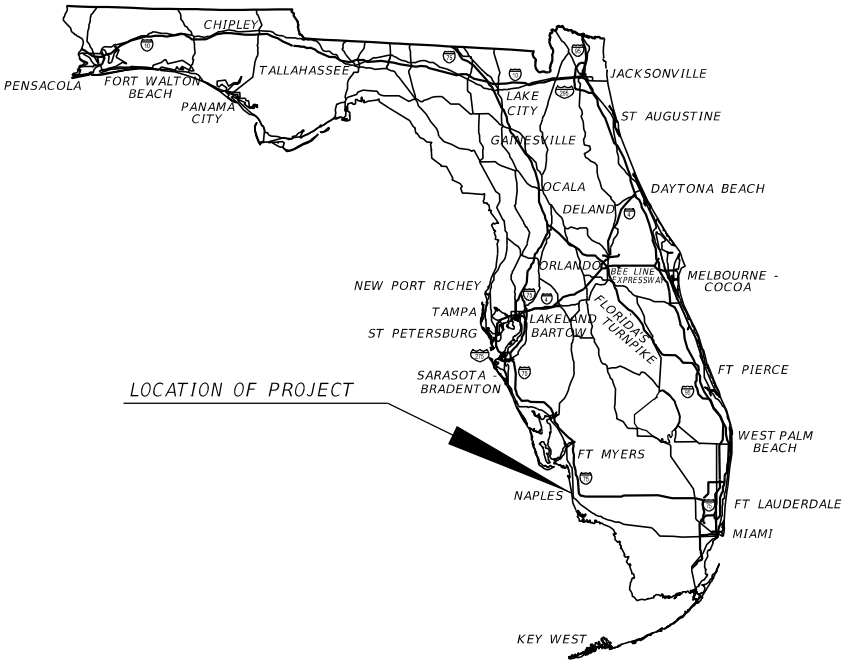
SIGNALIZATION PLANS
ENGINEER OF RECORD:

CARLOS ANDRES RAMIREZ, P.E.
P.E. LICENSE NUMBER 67335
GARRETT ENGINEERING GROUP, INC.
120 10TH AVENUE NORTH
SAINT PETERSBURG, FL 33701
(727) 289-9018
CONTRACT NO.: CA149
VENDOR NO.: F593751569

FDOT PROJECT MANAGER:

JEFFREY JONES, P.E.

CONSTRUCTION CONTRACT NO.	FISCAL YEAR	SHEET NO.
TBD	27	T-1



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SIGNALIZATION GENERAL NOTES:

1. MAINTAINING AGENCY:

DAVE RIVERA
STREET AND TRAFFIC SUPERVISOR
CITY OF NAPLES
295 RIVERSIDE CIRCLE
NAPLES, FL 34102
PHONE: 239-213-5011
2. PAVEMENT MARKINGS ARE SHOWN FOR REFERENCE PURPOSES ONLY. FOR PAVEMENT MARKING DESIGN INFORMATION, SEE PAVEMENT MARKING PLANS.
3. AT LEAST TWO (2) FULL BUSINESS DAYS PRIOR TO BEGINNING THE TRAFFIC SIGNAL INSTALLATION CONTACT THE TRAFFIC SIGNAL INSPECTOR/LIAISON:

DAVID AYERS
FLORIDA DEPARTMENT OF TRANSPORTATION
FORT MYERS OPERATIONS CENTER
2981 N.E. PINE ISLAND ROAD
CAPE CORAL, FL 33909
PHONE: 239-985-7858
4. 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
5. THE LOCATION(S) OF THE UTILITIES ARE 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.
6. FOR REMOVED SIGNAL EQUIPMENT CLAIMED BY MAINTAINING AGENCY, CONTACT DAVE RIVERA ((239)-213-5011).
7. WHERE MAST ARM, STRAIN POLES, OR ANY OTHER SIGNAL EQUIPMENT REQUIRING FOUNDATIONS ARE PROPOSED WITHIN 4 FEET OF ANY UNDERGROUND UTILITY, THE UTILITY MUST BE LOCATED, EXPOSED AND PROTECTED. THE INITIAL 5 FEET OF THE SHAFT INSTALLATION MUST BE EXPOSED USING NON MECHANIZED EQUIPMENT.
8. REFERENCE THE ROADWAY PLANS FOR UTILITY AGENCY/OWNER (UA0) INFORMATION.

LIGHTING GENERAL NOTES

1. PRIOR TO ANY EQUIPMENT ORDER, SUBMIT FOR APPROVAL EQUIPMENT SPECIFICATION OR DESIGN DATA FOR ALL MATERIAL PROPOSED FOR THE PROJECT. THESE MUST SPECIFICALLY INCLUDE LUMINAIRE PHOTOMETRICS.
2. NOTIFY FPL AT LEAST 48 HOURS PRIOR TO ANY INSTALLATION THAT IS WITHIN OSHA'S MINIMUM CLEARANCE DISTANCE OF ENERGIZED ELECTRICAL CONDUCTORS. FPL, AT ITS OPTION, SHALL ASSIST THE CONTRACTOR IN COVERING UP CONDUCTORS AT THE INSTALLATION SITE, OR TAKE OTHER SAFETY PRECAUTIONS AS NECESSARY. EXTREME CAUTION MUST BE EXERCISED AT ALL TIMES IN PERFORMANCE OF WORK AROUND THE PRIMARY HIGH VOLTAGE COMPONENTS.
3. ALL EXISTING LIGHT POLES ARE TO REMAIN IN PLACE AND OPERATIONAL. WHERE AN EXISTING PULL BOX IS REPLACED AND THE EXISTING CIRCUIT IS TIED INTO IT, MAINTAIN THE EXISTING CIRCUIT CONNECTIONS.
4. CONTACT THE MAINTAINING AGENCY CITY OF NAPLES, DAVE RIVERA, AT TELEPHONE NUMBER (239) 213-5011, FOR THE ASSIGNMENT OF THE PHYSICAL ADDRESS ONCE THE SERVICE DROP LOCATION HAS BEEN ESTABLISHED.
5. REFERENCE THE ROADWAY PLANS FOR UTILITY AGENCY/OWNER (UA0) INFORMATION.

SIGNAL PAY ITEM NOTES:

- 630-2-12:
ADDITIONAL HV RUN FOR DIRECTIONAL BORE FOR INTERNALLY ILLUMINATED SIGNS. SEE SIGNALIZATION PLAN (1) FOR LOCATIONS.
- 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.
- 635-2-11:
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 THE PAVEMENT.
- 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.
- 649-21-15 & 649-21-21:
USE TWO 2" AND ONE 1" CONDUITS STUBBED OUT THROUGH THE MAST ARM POLE FOUNDATION AND TEMPORARILY SEAL. ALL MAST ARM ASSEMBLIES MUST HAVE A TERMINAL COMPARTMENT.
- 650-1-14:
TO AVOID ADDITIONAL STRESS ON EXISTING SIGNAL SUPPORT STRUCTURES DO NOT EXCEED LOAD ON STANDARD MAST ARM TABULATION. USE LOUVERED ALUMINUM SIGNAL HEAD BACK PLATES.
- 653-1-11:
PEDESTRIAN SIGNAL HEADS TO BE 16" INTERNATIONAL SYMBOL, LED COUNTDOWN TYPE.
- 663-1-400:
RELOCATE EXISTING PREEMPTION FROM REMOVED MAST ARM TO PROPOSED MAST ARMS 2 AND 3.
- 665-1-12:
USE PEDESTRIAN CROSSING PUSH BUTTON SIGN FTP-032-25. STREET NAME MUST BE IN ACCORDANCE WITH THE STREET NAMES SHOWN ON THE SIGNALIZATION PLAN SHEETS.
- 671-2-40:
MODIFY TRAFFIC CONTROLLER FOR PROPOSED TRAFFIC SIGNALS ON MAST ARMS 1, 2, AND 3. SEE THE STANDARD MAST ARM TABULATION FOR LOCATIONS.
- 700-5-21 & 700-5-22:
ALL INTERNALLY ILLUMINATED STREET NAME SIGN POLE BRACKET SUPPORTS TO BE PAINTED PER PAINTING INSTRUCTIONS SHOWN ON THE MAST ARM TABULATION SHEET IN THIS PLANS SET. CONTACT MAINTAINING AGENCY FOR COLOR. USE LED (EDGE LIT TYPE) INTERNALLY ILLUMINATED STREET NAME SIGNS. CONNECT INTERNALLY ILLUMINATED STREET NAME SIGN CONDUCTORS TO EXISTING PHOTOELECTRIC CELL LOCATED OUTSIDE THE ELECTRICAL SERVICE DISCONNECT BOX AND EXISTING PHOTOELECTRIC CELL CONDUCTORS TO DEDICATED 15 AMP./120 VOLT CIRCUIT BREAKER LOCATED INSIDE THE ELECTRICAL SERVICE DISCONNECT BOX.

REVISIONS				ENGINEER OF RECORD	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			GENERAL NOTES	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION	CARLOS ANDRES RAMIREZ, P.E. LICENSE NUMBER 67335 GARRETT ENGINEERING GROUP, INC. 120 10TH AVENUE NORTH SAINT PETERSBURG, FL 33701	ROAD NO.	COUNTY	FINANCIAL PROJECT ID		T-2
					SR 45	COLLIER	446451-1-52-01		

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INTERSECTION POLE DATA

POLE NO.	CIRCUIT	STATION	DIST. OR ARM	LUMINAIRE WATTAGE	MOUNTING HEIGHT	POLE SETBACK *	LUMINAIRE TYPE **	PAY ITEMS	VOLTAGE
SR 45 (US 41)									
D-17	EXIST. CKT D NW	161+76	8'	170	30'	2.0' BEHIND BOSW	III	715-61-111 715-500-1 715-550-000	480 ***
D-17A	EXIST. CKT D NW	162+31	8'	238	40'	2.0' BEHIND BOSW	IV	715-61-311 715-500-1	480
D-19	EXIST. CKT D NW	163+73	8'	238	40'	2.0' BEHIND BOSW	IV	715-61-311 715-500-1 715-550-000	480 ***
D-19A	EXIST. CKT D NW	164+28	8'	170	30'	2.0' BEHIND BOSW	III	715-61-111 715-500-1	480 ***
D-14	EXIST. CKT D SW	163+76	8'	238	40'	2.0' BEHIND BOSW	IV	715-61-311 715-500-1 715-550-000	480
D-14A	EXIST. CKT D SW	163+52	8'	170	30'	1.25' BEHIND BOSW	III	715-61-111 715-500-1	480
D-12A	EXIST. CKT D SW	162+27	8'	238	40'	2.0' BEHIND BOSW	IV	715-61-311 715-500-1	480
D-12	EXIST. CKT D SW	161+62	8'	170	30'	10.7' BEHIND FOC	III	715-61-111 715-500-1 715-550-000	480 ***

* ALL MEASUREMENTS ARE TO CENTER OF POLE

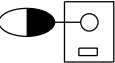
** LUMINAIRE TYPE "III" 170 WATT, 16,223 LUMENS, 14,708 MAX CANDELA, PHOTOMETRIC FILE ATBL A XXXXX R3 3K.IES
LUMINAIRE TYPE "IV" 238 WATT, 22,528 LUMENS, 16,596 MAX CANDELA, PHOTOMETRIC FILE ATBL E XXXXX R4 3K.IES

*** SPREAD FOOTING ANTICIPATED

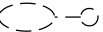
BOSW = BACK OF SIDEWALK

FOC = FACE OF CURB

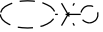
LIGHTING SYMBOL & DESCRIPTION



SYMBOL INCLUDES POLE, ARM, ONE LED LUMINAIRE (SEE BELOW), FOUNDATION, CONCRETE SLAB, PCDS, PULL BOX, AND 8LF OF SLACK FOR EACH CONDUCTOR ENTERING AND/OR EXITING (AS SHOWN IN THE PLANS). ANALYZED USING AMERICAN ELECTRIC LIGHTING PHOTOMETRIC FILES. LUMINAIRE MUST INCLUDE LED DRIVER WIRED FOR 480 VOLT OPERATION.



EXISTING POLE AND LUMINAIRE TO REMAIN.



EXISTING POLE AND LUMINAIRE TO BE REMOVED. PAY ITEM INCLUDED IN INTERSECTION POLE DATA TABLE.



ONE - 2" SCHEDULE 40 PVC UNDERGROUND CONDUIT CONTAINING CONDUCTORS. AWG SIZES AND TOTAL CONDUCTORS CALLED OUT ON PLAN SHEETS. CALL OUT NUMBER INCLUDES ONE COPPER BOND CONDUCTOR (GREEN INSULATION) INSIDE CONDUIT WITH OTHER CONDUCTORS.



TWO - 2" DIRECTIONALLY BORED, UL LISTED, HDPE CONDUITS CONTAINING CONDUCTORS. AWG SIZES AND TOTAL CONDUCTORS CALLED OUT ON PLAN SHEETS. CALL OUT NUMBER INCLUDES ONE COPPER BOND CONDUCTOR (GREEN INSULATION) INSIDE CONDUIT WITH OTHER CONDUCTORS. ONE CONDUIT IS A SPARE.



EXISTING CONDUIT TO REMAIN. SEE PLANS FOR TREATMENT.

CONVENTIONAL LIGHTING
DESIGN CRITERIA (NEW)

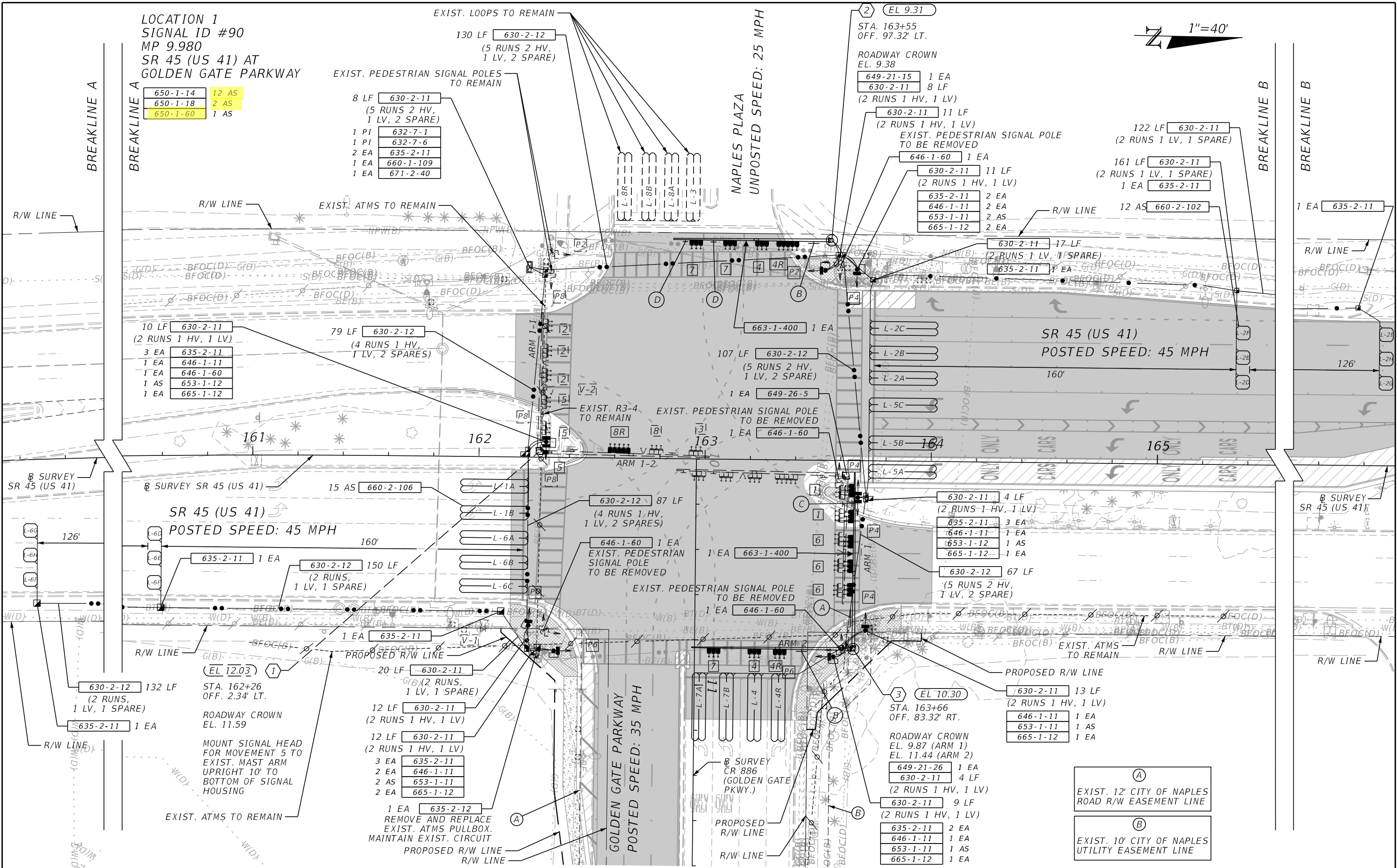
VERTICAL ILLUMINATION (AVG.) 1.2 - 1.5 FOOT CANDLES
HORIZONTAL ILLUMINATION (AVG.) 1.5 - 3.0 FOOT CANDLES
UNIFORMITY RATIO: MAX./MIN. 10:1 OR LESS
AVG./MIN. 4:1 OR LESS

REVISIONS				ENGINEER OF RECORD	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			POLE DATA AND LEGEND	SHEET NO.
DATE	DESCRIPTION		DATE	DESCRIPTION	ROAD NO.	COUNTY	FINANCIAL PROJECT ID		T-3
				CARLOS ANDRES RAMIREZ, P.E. LICENSE NUMBER 67335 GARRETT ENGINEERING GROUP, INC. 120 10TH AVENUE NORTH SAINT PETERSBURG, FL 33701	SR 45	COLLIER	446451-1-52-01		

T-3

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REVISIONS				ENGINEER OF RECORD	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION	CARLOS ANDRES RAMIREZ, P.E. LICENSE NUMBER 67335 GARRETT ENGINEERING GROUP, INC. 120 10TH AVENUE NORTH SAINT PETERSBURG, FL 33701	ROAD NO.	COUNTY	FINANCIAL PROJECT ID	
					SR 45	COLLIER	446451-1-52-01	
<i>SIGNALIZATION PLAN (1)</i>								T-4

SIGNALIZATION PLAN (1)

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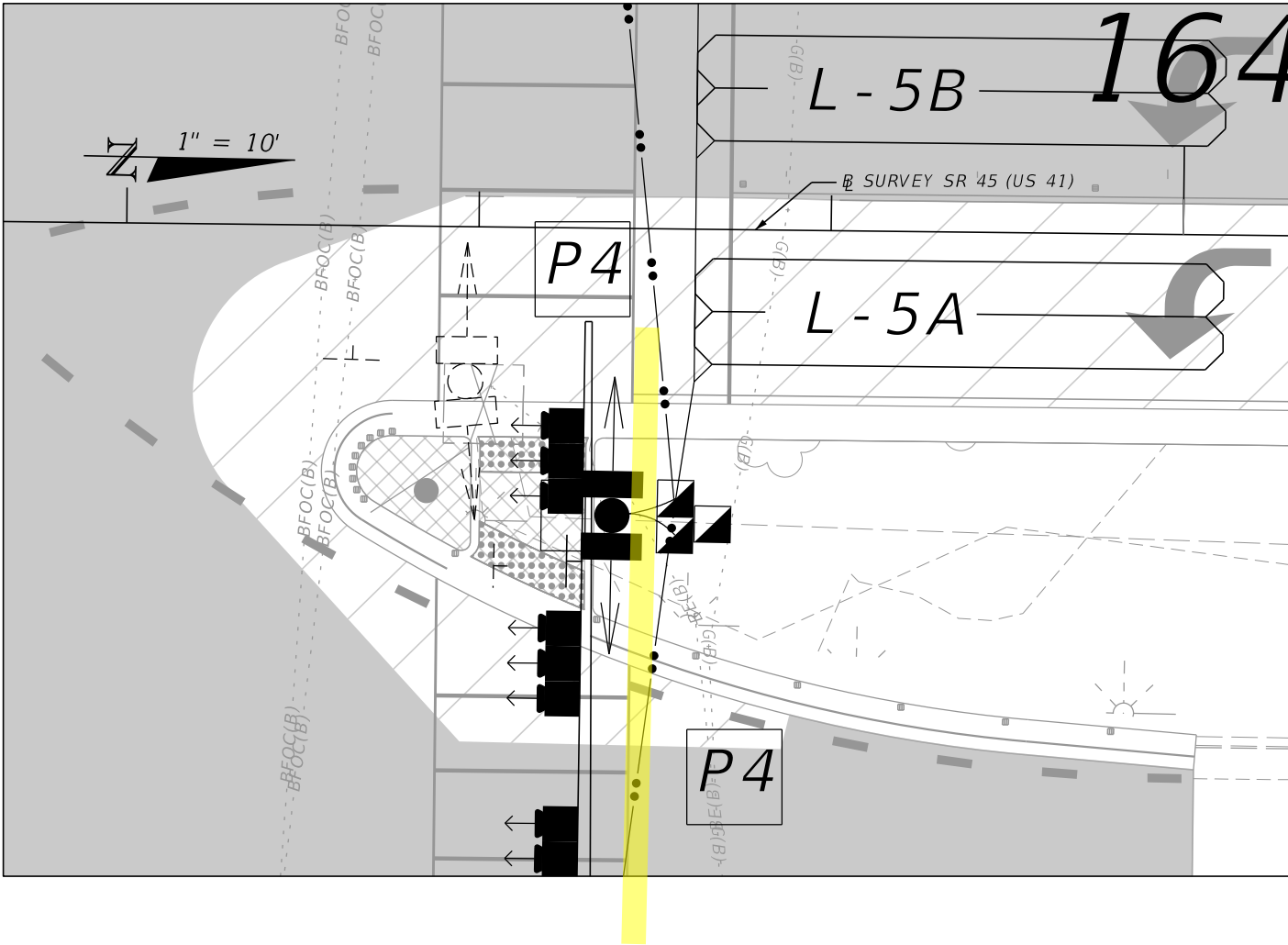
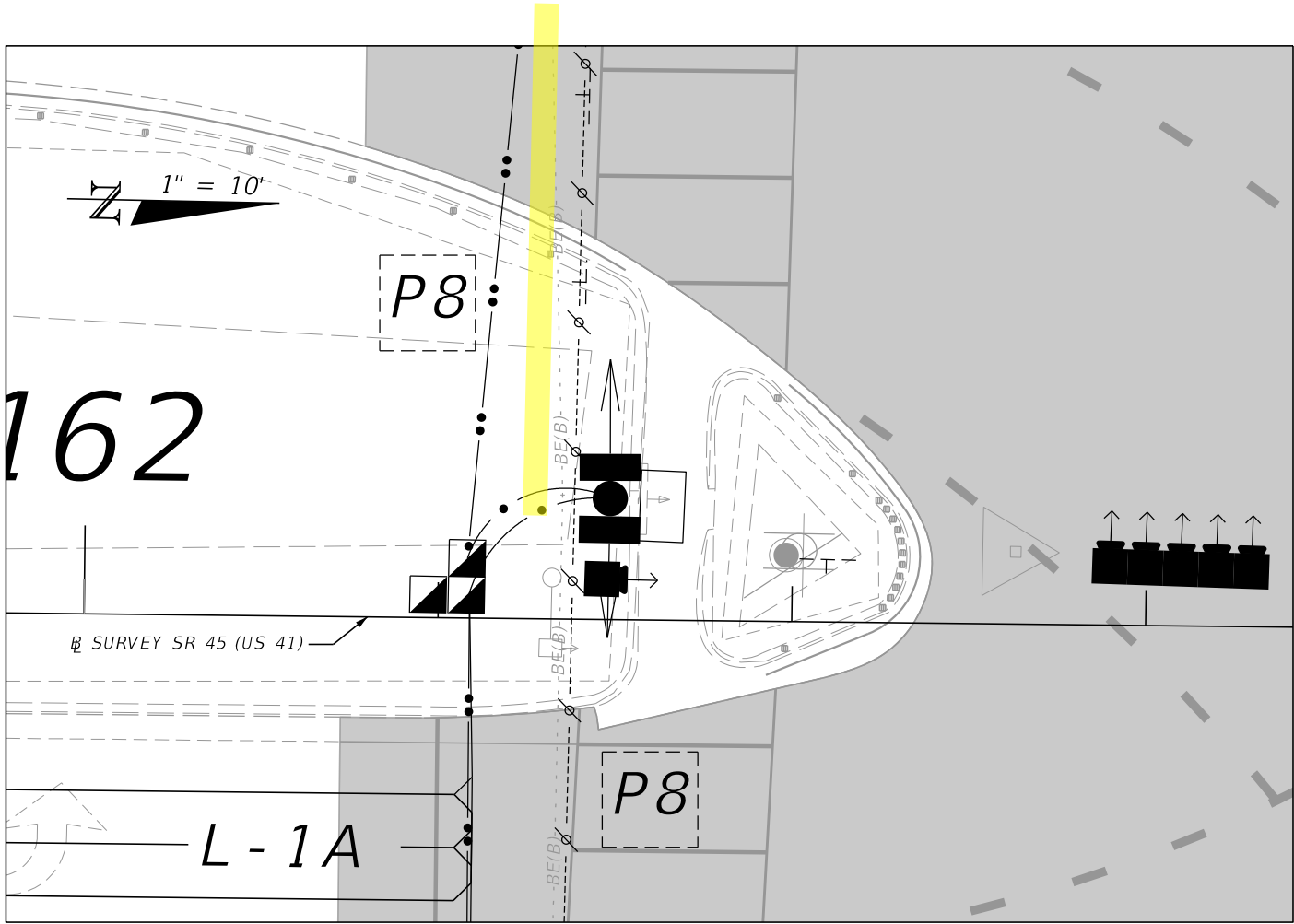
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REVISIONS				ENGINEER OF RECORD			STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			SIGNALIZATION PLAN (2)	SHEET NO. T-5
DATE	DESCRIPTION	DATE	DESCRIPTION	CARLOS ANDRES RAMIREZ, P.E. LICENSE NUMBER 67335 GARRETT ENGINEERING GROUP, INC. 120 10TH AVENUE NORTH SAINT PETERSBURG, FL 33701			ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
							SR 45	COLLIER	446451-1-52-01		

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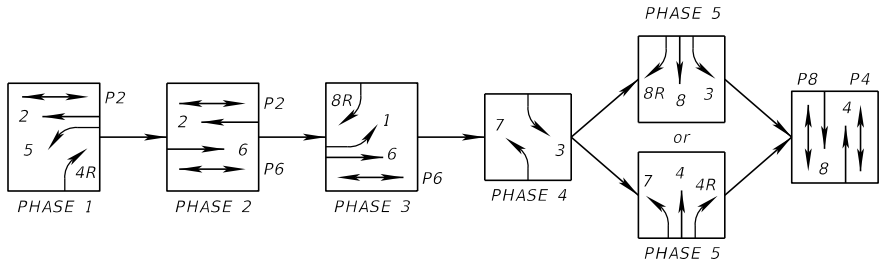
NOTE: MAST ARM STRUCTURES TURNED OFF FOR VIEW OF PEDESTRIAN SIGNALS.

REVISIONS				ENGINEER OF RECORD	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			SIGNALIZATION PLAN (3)	SHEET NO.	
DATE	DESCRIPTION		DATE	DESCRIPTION		ROAD NO.	COUNTY		FINANCIAL PROJECT ID	T-6
						SR 45	COLLIER		446451-1-52-01	
				CARLOS ANDRES RAMIREZ, P.E. LICENSE NUMBER 67335 GARRETT ENGINEERING GROUP, INC. 120 10TH AVENUE NORTH SAINT PETERSBURG, FL 33701						

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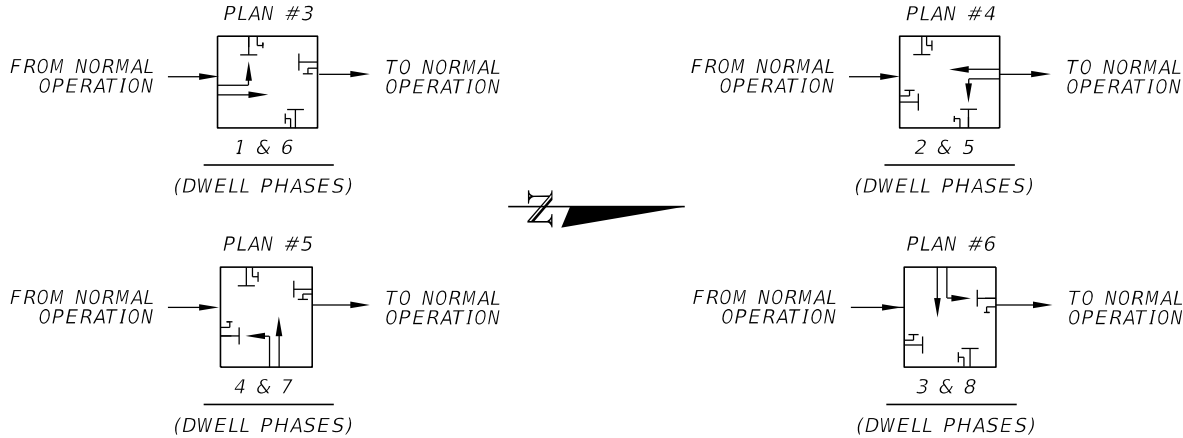
NOTES:

1. MAJOR STREET IS US 41 (SR 45), MOVEMENTS 2 AND 6.
MINOR STREET IS GOLDEN GATE PARKWAY/NAPLES PLAZA, MOVEMENTS 4 AND 8.
2. FLASHING INDICATION IS YELLOW FOR MOVEMENTS 2 AND 6 AND RED FOR ALL OTHER MOVEMENTS.
3. EACH PHASE/MOVEMENT MUST BE WIRED FROM THE SIGNAL DISPLAY TO THE CONTROLLER AS A SEPARATE PHASE/MOVEMENT. THIS INCLUDES LEFT TURN MOVEMENTS. EACH LEFT TURN MOVEMENT MUST HAVE CONDUCTORS AVAILABLE FOR PROTECTED AND PERMISSIVE OPERATION.
4. STOP BAR LOOPS ARE 6' X 30' TYPE F LOOPS, CENTERED IN LANE, AND PLACED 2' IN FRONT OF THE STOP BAR. DILEMMA ZONE LOOPS ARE 6' X 6' TYPE B LOOPS, CENTERED IN LANE, AND PLACED ACCORDING TO SIGNALIZATION PLAN (1).
5. USE SPECIAL SIGNAL OPERATING PLAN.
6. REQUEST UPDATED SIGNAL TIMINGS FROM CITY OF NAPLES WHEN ALL LANES, STRIPING, SIGNALS AND PEDESTRIAN FACILITIES ARE IN THEIR FINAL CONFIGURATION AND THE SIGNAL IS OPERATING AS DESIGNED. PROVIDE COLLIER COUNTY WITH ALL 'AS-BUILT' INFORMATION NECESSARY TO DEVELOP THE BASIC SIGNAL TIMING PARAMETERS AND ALLOW THREE (3) WEEKS FOLLOWING THE REQUEST FOR COLLIER COUNTY TO DEVELOP THE UPDATED TIMINGS. PROGRAM THE CONTROLLER PER THE TIMINGS PROVIDED BY COLLIER COUNTY.
7. PROGRAM MOVEMENT 4R AS OVERLAP A TO COME UP WITH MOVEMENT 5 WITH 5.0 SECONDS OF MINIMUM GREEN, 4.8 SECONDS OF YELLOW, AND 4.3 SECONDS OF ALL RED.
8. PROGRAM MOVEMENT 8R AS OVERLAP B TO COME UP WITH MOVEMENT 1 WITH 5.0 SECONDS OF MINIMUM GREEN, 4.8 SECONDS OF YELLOW, AND 4.7 SECONDS OF ALL RED.
9. OMIT OVERLAP 4R WHEN P4 IS ACTIVE.
10. OMIT OVERLAP 8R WHEN P8 IS ACTIVE.



SPECIAL S.O.P

EMERGENCY P.O.P



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

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

EMERGENCY VEHICLE PREEMPTION						
PREEMPTION TIME PLAN	1	2	3 (NB)	4 (SB)	5 (WB)	6 (EB)
PRIORITY			10	10	10	10
DELAY BEFORE PREEMPTION (SEC)			0	0	0	0
MINIMUM GREEN BEFORE PREEMPTION (SEC)			*	*	*	*
LOCK CALL			OFF	OFF	OFF	OFF
MAXIMUM PRESENCE (SEC)			120	120	120	120
YELLOW CLEARANCE (SEC)			**	**	**	**
RED CLEARANCE			**	**	**	**
DWELL PHASE(S)			1, 6	2, 5	4, 7	3, 8
MINIMUM DWELL			15	15	7	7
YELLOW CLEARANCE (SEC)**			**	**	**	**
RED CLEARANCE (SEC)**			**	**	**	**
EXIST PHASES			2 & 6	2 & 6	2 & 6	2 & 6

* ENTRY INTO PREEMPTION MUST NOT VIOLATE MINIMUM GREEN OR PEDESTRIAN CLEARANCE INTERVALS.

** YELLOW AND ALL RED INTERVALS DURING PREEMPTION MUST BE THE SAME VALUES USED DURING NORMAL CONTROLLER OPERATIONS

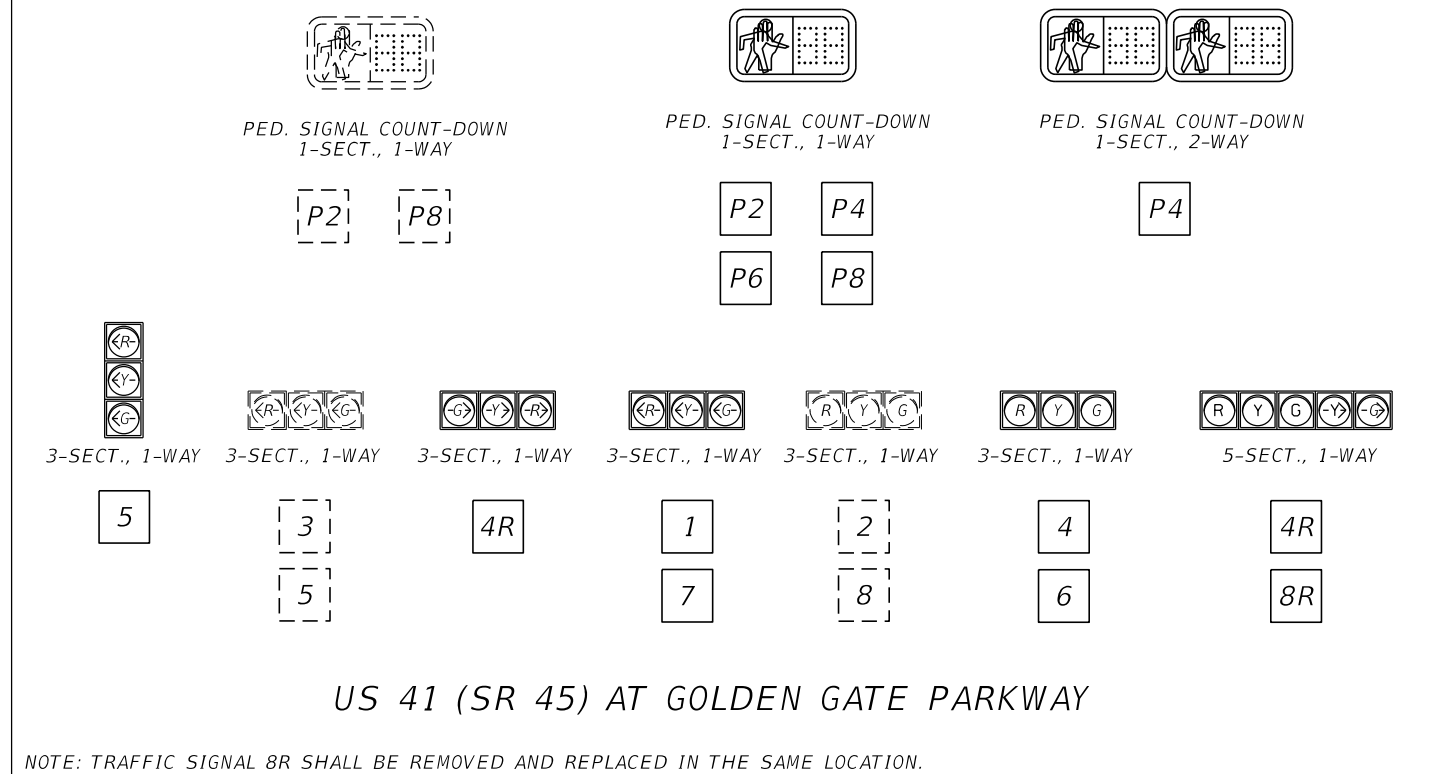
CONTROLLER TIMINGS									
TIMING FUNCTION	MOVEMENT NO.	1	2	3	4	5	6	7	8
	DIRECTION	NBL	SB	EBL	WB	SBL	NB	WBL	EB
	TURN TYPE	PROT		PROT		PROT		PROT	
	MINIMUM GREEN	5.0	15.0	5.0	7.0	5.0	15.0	5.0	7.0
	EXTENSION	3.0	5.0	3.0	3.0	3.0	5.0	3.0	3.0
	YELLOW CLEARANCE	4.8	4.8	3.4	4.0	4.8	4.8	4.0	3.4
	ALL RED	4.7	2.0	3.8	2.7	4.3	2.0	2.6	4.1
	MAXIMUM GREEN 1	20.0	40.0	20.0	20.0	20.0	40.0	20.0	20.0
	MAXIMUM GREEN 2	17.0	55.0	20.0	35.0	35.0	55.0	20.0	35.0
	WALK		7.0		7.0		7.0		7.0
	FLASHING DON'T WALK		27.0		44.0		29.0		42.0
	DETECTOR MEMORY								
	DET. CROSS SWITCH.								
	DUAL ENTRY		ON		ON		ON		ON
	VEHICLE RECALL		MIN.				MIN.		

TIMINGS ARE INITIAL AND MAY REQUIRE FIELD ADJUSTING AS DIRECTED BY THE ENGINEER.

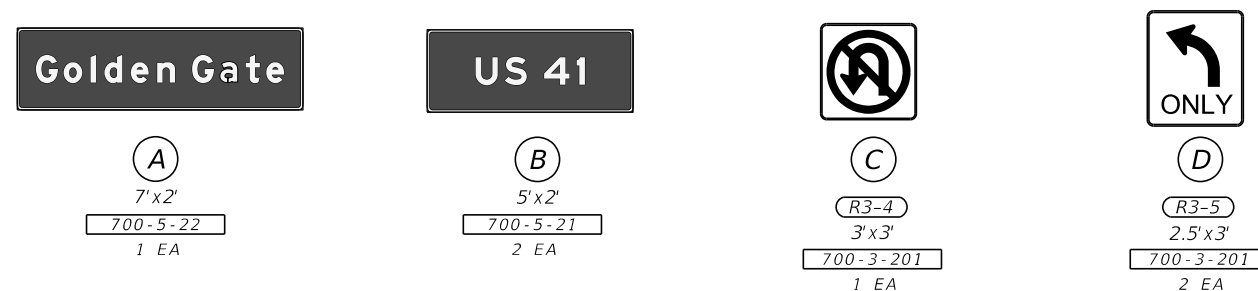
REVISIONS				ENGINEER OF RECORD	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION	CARLOS ANDRES RAMIREZ, P.E. LICENSE NUMBER 67335 GARRETT ENGINEERING GROUP, INC. 120 10TH AVENUE NORTH SAINT PETERSBURG, FL 33701	ROAD NO.	COUNTY	FINANCIAL PROJECT ID	
					SR 45	COLLIER	446451-1-52-01	
SIGNALIZATION PLAN (4)								T-7

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

SIGNAL DISPLAY DETAILS

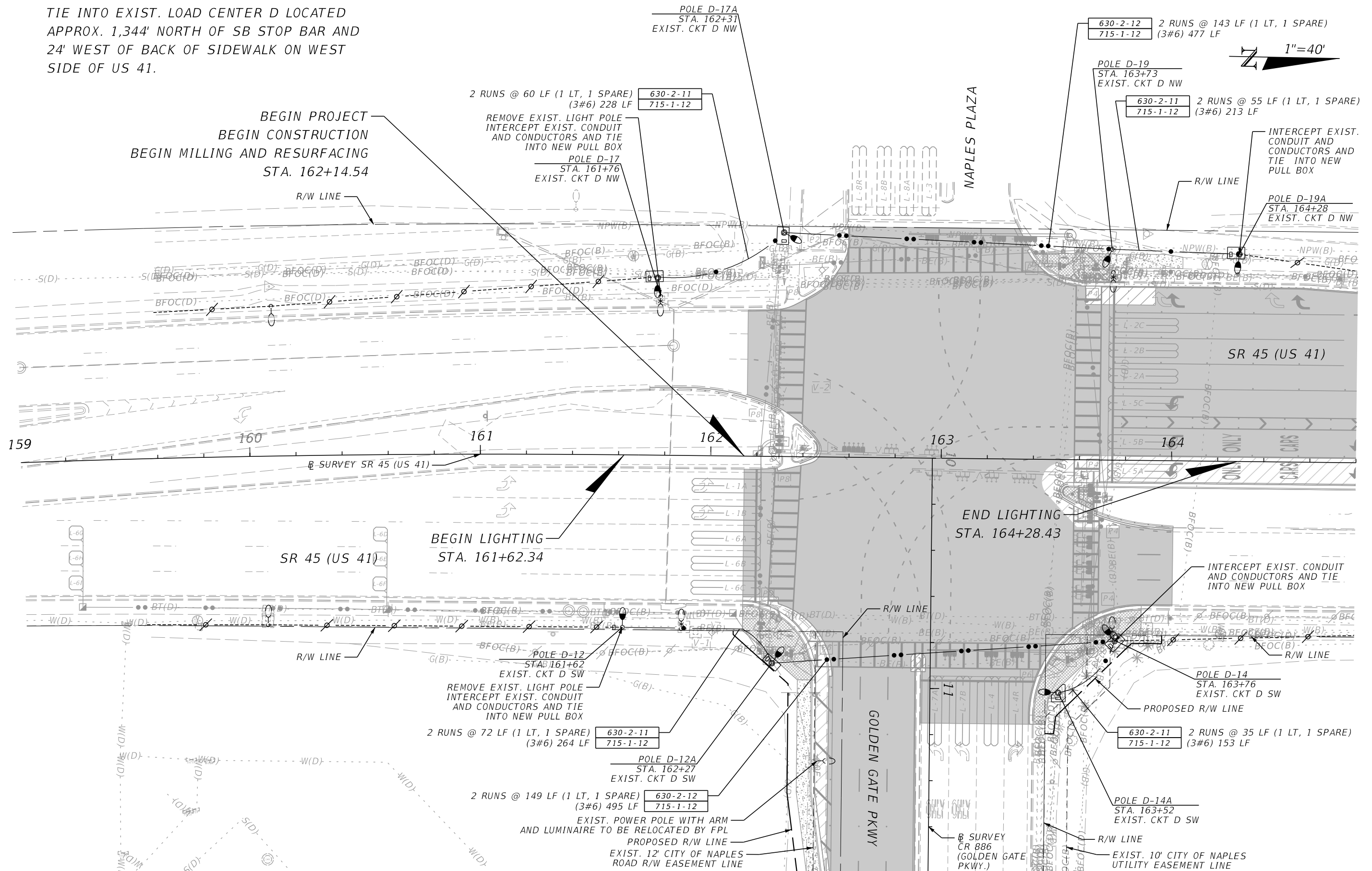


SIGN DETAILS



REVISIONS				ENGINEER OF RECORD	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			SIGNALIZATION PLAN (5)	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION	CARLOS ANDRES RAMIREZ, P.E. LICENSE NUMBER 67335 GARRETT ENGINEERING GROUP, INC. 120 10TH AVENUE NORTH SAINT PETERSBURG, FL 33701	ROAD NO.	COUNTY	FINANCIAL PROJECT ID		T-8
					SR 45	COLLIER	446451-1-52-01		

TIE INTO EXIST. LOAD CENTER D LOCATED
APPROX. 1,344' NORTH OF SB STOP BAR AND
24' WEST OF BACK OF SIDEWALK ON WEST
SIDE OF US 41.



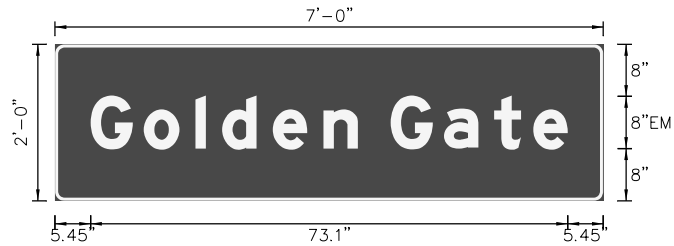
REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

ENGINEER OF RECORD
CARLOS ANDRES RAMIREZ, P.E.
LICENSE NUMBER 67335
GARRETT ENGINEERING GROUP, INC.
120 10TH AVENUE NORTH
SAINT PETERSBURG, FL 33701

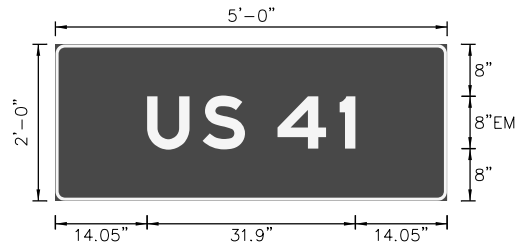
STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 45	COLLIER	446451-1-52-01

LIGHTING PLAN (1)	
SHEET NO.	
T-9	

SIGN NAME		Sign A		QTY	1	SIGN NUMBER	STATION(S)	
PANEL			BORDER			none		
WIDTH		7'-0"		WIDTH		0.5"		
HEIGHT		2'-0"		RADII		1.5"		
LEGEND		White		COLOR		White		
COLOR		Green						
SYMBOL(S)		ANGLE		X		Y		WID HT
SIGN NUMBER		NUMBER OF POSTS		CLEARANCE Edge Of Lane		COLUMN SIZE		AVERAGE LENGTH
NO. OF LIGHT FIXTURES			FIXTURE SPACING			WATT		
PHOTOMETRIC CURVE							VOLTAGE	

[illegible]

SIGN NAME		Sign B		QTY	2	SIGN NUMBER	STATION(S)	
PANEL			BORDER			none		
WIDTH		5'-0"		WIDTH		0.5"		
HEIGHT		2'-0"		RADII		1.5"		
LEGEND		White		COLOR		White		
COLOR		Green						
SYMBOL(S)		ANGLE		X		Y		WID HT
SIGN NUMBER		NUMBER OF POSTS		CLEARANCE Edge Of Lane		COLUMN SIZE		AVERAGE LENGTH
NO. OF LIGHT FIXTURES		FIXTURE SPACING						WATT
PHOTOMETRIC CURVE							VOLTAGE	

[illegible]

REVISIONS				ENGINEER OF RECORD CARLOS ANDRES RAMIREZ, P.E. LICENSE NUMBER 67335 GARRETT ENGINEERING GROUP, INC. 120 10TH AVENUE NORTH SAINT PETERSBURG, FL 33701	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			GUIDE SIGN WORK SHEET	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		T-10
					SR 45	COLLIER	446451-1-52-01		

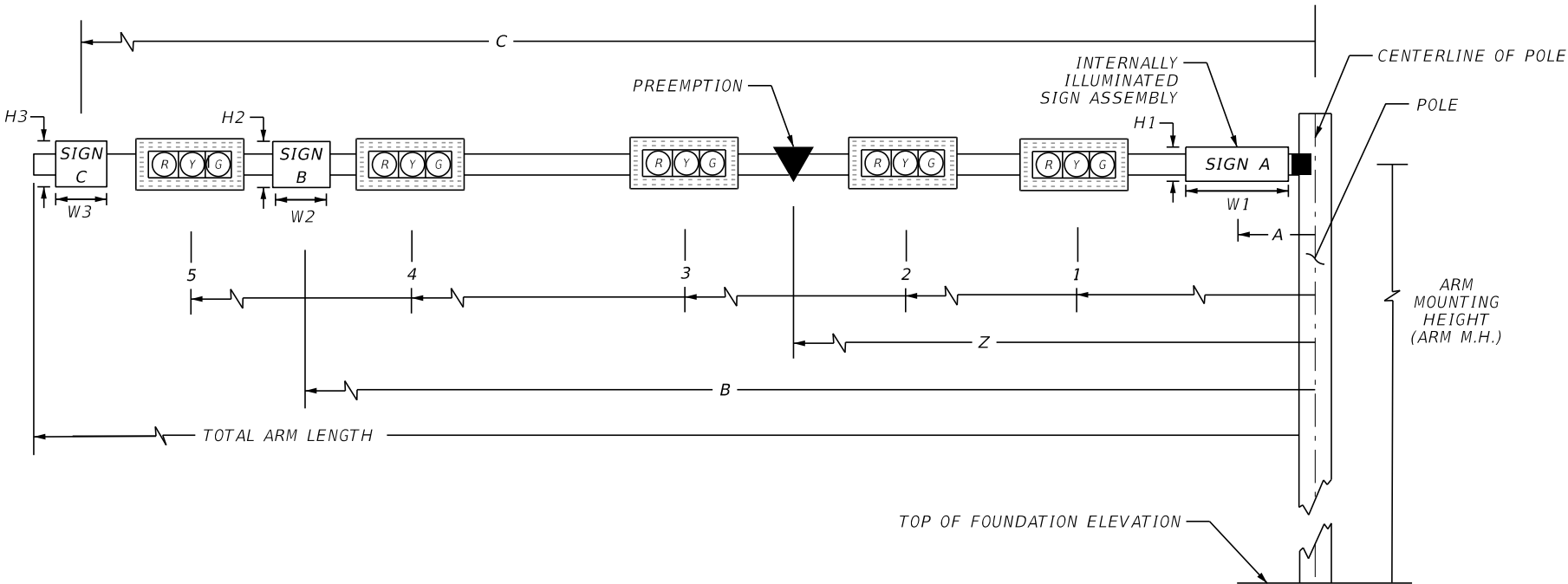
1/23/2026 10:21:55 AM G2 C:\Users\g\garrett Team Dropbox\GEG Projects\US 41 at Gold Gate Parkway\446451\Signalization\WSSG5001.dgn

SPECIAL NOTES:

- A. EACH POLE AND MAST ARM MUST BE IDENTIFIED WITH A PERMANENT ONE INCH (1") HIGH ENGRAVED OR IMPRESSED MARK WHICH BEARS THE POLE IDENTIFICATION NUMBERS SHOWN ON THE PLANS.
- B. ANCHOR BOLT COVERS (ORNAMENTAL, NON-ORNAMENTAL, AND/OR PAINTED) MUST BE GALVANIZED STEEL OR CAST ALUMINUM AND MUST BE SECURED BY A MINIMUM OF TWO (2) THREADED FASTENERS. THE BOLT COVERS MUST BE OF SUFFICIENT SIZE SO THAT THERE IS NO GAP BETWEEN ITSELF AND THE POLE SHAFT.
- C. FIELD VERIFY ALL ELEVATIONS LISTED HEREIN PRIOR TO ORDERING MAST ARMS.

FINISHING REQUIREMENTS FOR STANDARD PAINTED POLES:

- A. THE FINISH TOP COATING MUST BE APPLIED UNDER CONTROLLED FACTORY CONDITIONS WITHIN 12 HOURS OF THE HOT-DIP GALVANIZING PROCESS. PROPOSED COATING TECHNIQUES MUST BE SUBMITTED TO THE MAINTAINING AGENCY FOR APPROVAL AND BE ACCOMPANIED BY THE WRITTEN WARRANTY FOR THE PROPOSED TOP COATING PROCESS.
- B. THE FINISH COAT MUST BE 3 MILLS MINIMUM (DR FILM THICKNESS). CONTACT MAINTAINING AGENCY FOR PAINT COLOR.
- C. ONE GALLON OF TOUCH-UP PAINT MUST BE FURNISHED TO THE MAINTAINING AGENCY.



* DENOTES NUMBER OF SECTIONS IN SIGNAL HEAD ASSEMBLY

** MEASURED COUNTER CLOCKWISE FROM MAST ARM 1

							SIGNAL DATA															SIGN DATA										PREEMPTION
ID NO.	SHEET NO.	LOCATION BY STA/OFFSET	TOP OF FOUND. ELEVATION	RDWY ARM NO.	CROWN ELEV.	LUMINAIRE Y/N	SIGNAL V/H	BACK PLATES Y/N	PED. SIGNAL Y/N	DISTANCE FROM POLE								TOTAL ARM LENGTH	ARM M.H.	ANGLE BETWEEN DUAL ARMS 90/270 **	DISTANCE FROM POLE / HEIGHT AND WIDTH OF SIGN											
										1	*	2	*	3	*	4	*				5	*	A	H1	W1	B	H2	W2	C	H3	W3	
2	T-4	163+55, 97.32' LT	9.31	1	9.38	N	H	Y	N	19.4	5	30.9	3	45.0	3	59.9	3	---	-	70.0	TBD	N/A	8.0	2.0	5.0	52.3	3.0	2.5	64.7	3.0	2.5	37.9
3	T-4	163+66, 83.32' RT	10.30	1	9.87	N	H	Y	N	26.1	3	36.6	3	47.5	3	58.7	3	70.1	3	78.0	TBD	90	14.1	2.0	7.0	64.4	3.0	3.0	---	---	---	42.1
---	----	-----	-----	2	11.44	N	H	Y	N	32.5	3	43.7	3	61.7	3	---	-	---	-	70.0	TBD		22.9	2.0	5.0	---	---	---	---	---	---	-----

REVISIONS				ENGINEER OF RECORD		STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			STANDARD MAST ARM TABULATION	SHEET NO.
DATE	DESCRIPTION		DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
						SR 45	COLLIER	446451-1-52-01		

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