

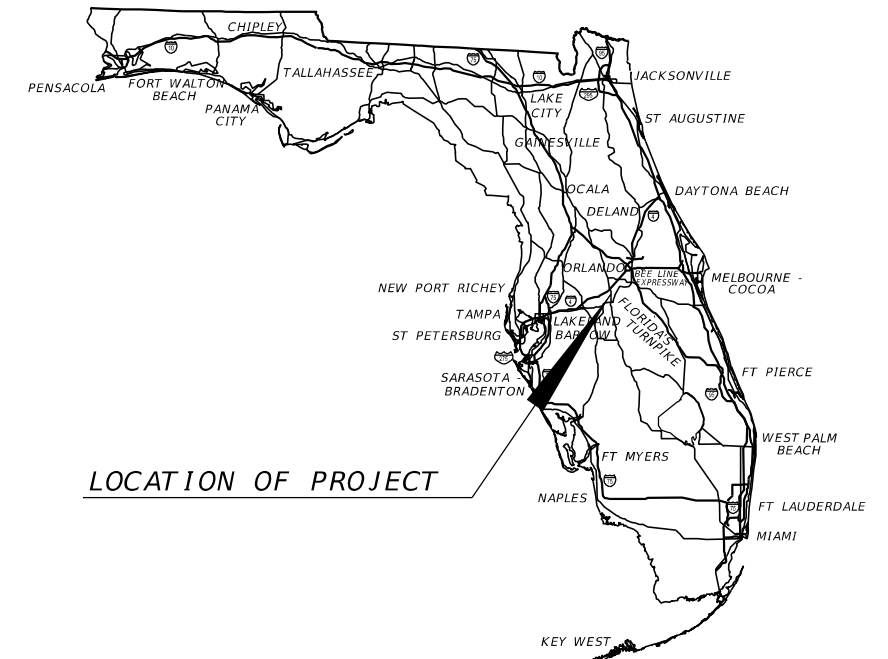
CONTRACT PLANS COMPONENTS

ROADWAY
SIGNING AND PAVEMENT MARKING
SIGNALIZATION

**STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION**

SIGNALIZATION PLANS

FINANCIAL PROJECT ID 449275-1-52-01



INDEX OF SIGNALIZATION PLANS

SHEET NO.	SHEET DESCRIPTION
T-1	KEY SHEET
T-2	SIGNATURE SHEET
T-3	GENERAL NOTES
T-4 - T-15	SIGNALIZATION PLANS
T-16 - T-20	SIGNAL TIMING DETAILS

POLK COUNTY (16180)

STATE ROAD NO. 25 (US 27)

MILLING AND RESURFACING FROM N OF HOLLY HILL CUT-OFF RD.
TO N OF DEER CREEK BLVD.

PROJECT LOCATION URL:	https://tinyurl.com/mpdxs84n
PROJECT LIMITS:	BEGIN MP 19.189 - END MP 23.086
EXCEPTIONS:	NONE
BRIDGE LIMITS:	NONE
RAILROAD CROSSING:	NONE

LOCATION OF PROJECT

**SIGNALIZATION PLANS
ENGINEER OF RECORD:**

ISAMARIE L. MONREAL, P.E.
P.E. LICENSE NUMBER 72029
FLORIDA DEPARTMENT OF TRANSPORTATION
801 N. BROADWAY AVENUE
BARTOW, FL 33830-3809
(863) 519-2368

FDOT PROJECT MANAGER:

ISAMARIE L. MONREAL, P.E.

GOVERNING STANDARD PLANS:

Florida Department of Transportation, FY 2024-25 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>

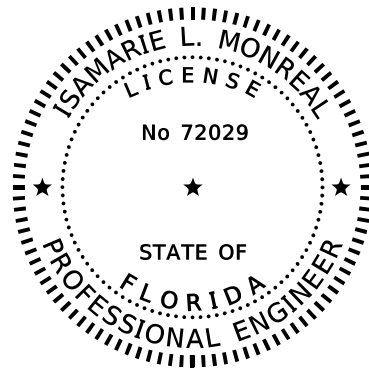
APPLICABLE IRs: N/A

GOVERNING STANDARD SPECIFICATIONS:

Florida Department of Transportation, FY 2024-25 Standard Specifications for Road and Bridge Construction at the following website: <http://www.fdot.gov/programmanagement/Implemented/SpecBooks>

**PHASE IV
6/24/2024**

CONSTRUCTION CONTRACT NO.	FISCAL YEAR	SHEET NO.
E1W89	25	T-1



THIS ITEM HAS BEEN DIGITALLY
SIGNED AND SEALED BY

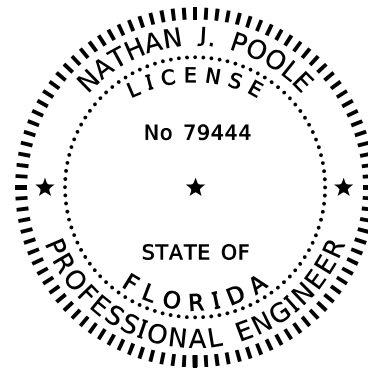
ON THE DATE ADJACENT TO THE SEAL

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ON ANY ELECTRONIC COPIES.

FLORIDA DEPARTMENT OF TRANSPORTATION
801 NORTH BROADWAY AVENUE
BARTOW, FL 33830-3809
ISAMARIE L. MONREAL, P.E. NO. 72029

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>
T-1	KEY SHEET
T-2	SIGNATURE SHEET
T-3	GENERAL NOTES
T-4 - T-15	SIGNALIZATION PLANS



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VIBE
700 CENTRAL, SUITE 302
ST. PETERSBURG, FL 33701
NATHAN J. POOLE, P.E. NO. 79444

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>
T-2	SIGNATURE SHEET
T-16 - T-20	SIGNAL TIMING DETAILS

REVISIONS				ENGINEER OF RECORD	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID	
				ISAMARIE L. MONREAL LICENSE NUMBER: 72029 FLORIDA DEPT. OF TRANSPORTATION 801 N. BROADWAY AVENUE BARTOW, FL 33830-3809	SR 25	POLK	449275-1-52-01	<i>SIGNATURE SHEET</i>
								T-2

PAY ITEM NOTES:

- 0630-2-11:
 PAY ITEM TO INCLUDE ADDITIONAL COST TO RUN LOOP CABLES INTO THE CONTROLLER CABINET IF THE CONTRACTOR CANNOT INTERCEPT EXISTING CONDUIT AND PULL BOX AT THE BASE OF THE CABINET.
- 0635-2-11:
 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 PAVEMENT.
 USE CONCRETE PULL BOXES WITH METALLIC COVERS.
 PULL BOXES ARE TO BE POLYMER CONCRETE. THE PULL BOX COVERS SHOULD HAVE THE NAME "TRAFFIC SIGNALS" FOR ALL SIGNAL RELATED WIRING.
- 0660-2-102 AND 0660-2-106:
 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.
 INSTALL LOOP LEAD-IN WIRE IN EXISTING CONDUIT AND LOOP PULL BOX FOR HOME RUN TO CONTROLLER UNLESS NOTED OTHERWISE ON PLAN SHEET.
 TYPE F LOOPS MUST EXTEND TWO FEET (2') IN FRONT OF THE STOP BAR.
 ALL LOOP WIRES MUST BE LABELED WITH PHASE NUMBER AT ALL SPLICE POINTS.
- 0660-3-11 AND 0660-3-12:
 SEE PLAN SHEET FOR THE NUMBER OF RADAR DETECTORS INCLUDED IN THE RADAR DETECTION ASSEMBLY.

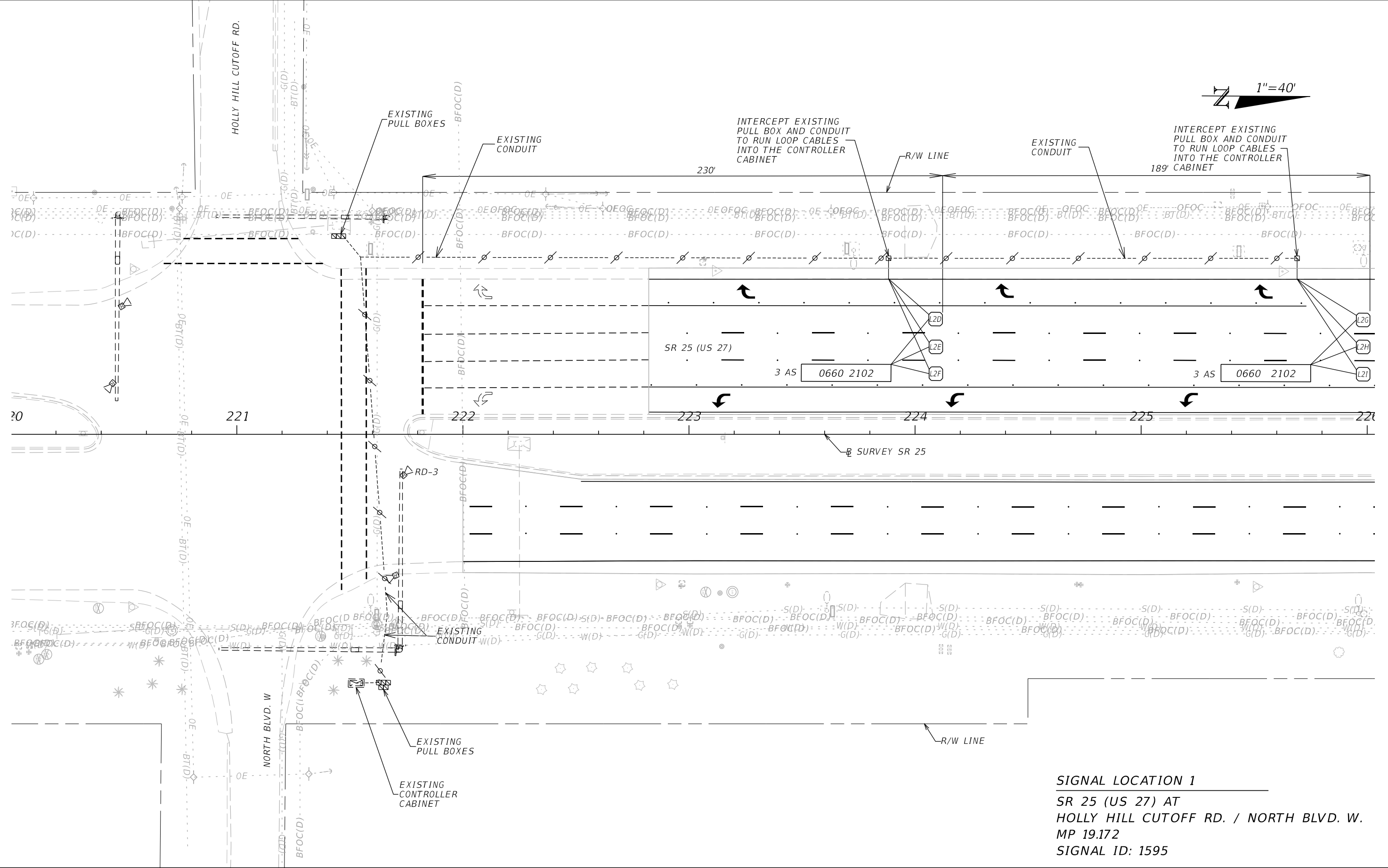
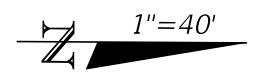
GENERAL NOTES:

- TRAFFIC SIGNAL MAINTAINING AGENCY: POLK COUNTY
- PAVEMENT MARKINGS ARE SHOWN FOR REFERENCE PURPOSES ONLY. FOR PAVEMENT MARKING DESIGN INFORMATION, SEE PAVEMENT MARKING PLANS.
- AT LEAST TWO (2) FULL BUSINESS DAYS PRIOR TO BEGINNING THE TRAFFIC SIGNAL INSTALLATION, CONTACT THE TRAFFIC SIGNAL INSPECTOR/LIAISON:
 POLK COUNTY
 AL WEEKS
 FLORIDA DEPARTMENT OF TRANSPORTATION
 BARTOW OPERATIONS CENTER
 2740 S.R. 60 WEST
 BARTOW, FL 33830
 PH: 863-519-4159
- AT LEAST TWO (2) FULL BUSINESS DAYS PRIOR TO BEGINNING THE TRAFFIC SIGNAL INSTALLATION, CONTACT THE POLK COUNTY TRAFFIC ENGINEERING SIGNAL SHOP AT (863) 535-2200.
- WHEN CONSTRUCTION IS COMPLETE, IN ADDITION TO THE REQUIREMENT OF STANDARD SPECIFICATION 9-8, PROVIDE A SET OF "AS-BUILT" PLANS TO:
 POLK COUNTY TRAFFIC ENGINEERING
 AMY GREGORY, P.E., TRAFFIC ENGINEER
 3000 SHEFFIELD RD.
 WINTER HAVEN, FL 33880
 EMAIL: AMYGREGORY@POLK-COUNTY.NET
- 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
- INVESTIGATE THE CONTROLLER CABINET TO SEE IF ADDITIONAL CONDUIT IS NEEDED.

6/24/2024 1:15:00 PM RD152MM C:\projects\DOT\44927515201\Signalization\GNMT\SC01.dgn

REVISIONS				ENGINEER OF RECORD		STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			GENERAL NOTES	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION	ISAMARIE L. MONREAL LICENSE NUMBER: 72029 FLORIDA DEPT. OF TRANSPORTATION 801 N. BROADWAY AVENUE BARTOW, FL 33830-3809		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		T-3
						SR 25	POLK	449275-1-52-01		

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SIGNAL LOCATION 1
 SR 25 (US 27) AT
 HOLLY HILL CUTOFF RD. / NORTH BLVD. W.
 MP 19.172
 SIGNAL ID: 1595

6/24/2024 1:15:02 PM RD152MM C:\projects\FDOT\44927515201\Signalization\PLANs001.dgn

REVISIONS	
DATE	DESCRIPTION

ENGINEER OF RECORD
 ISAMARIE L. MONREAL
 LICENSE NUMBER: 72029
 FLORIDA DEPT. OF TRANSPORTATION
 801 N. BROADWAY AVENUE
 BARTOW, FL 33830-3809

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 25	POLK	449275-1-52-01

SIGNALIZATION PLAN

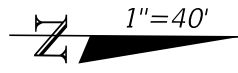
SHEET NO.
 T-4

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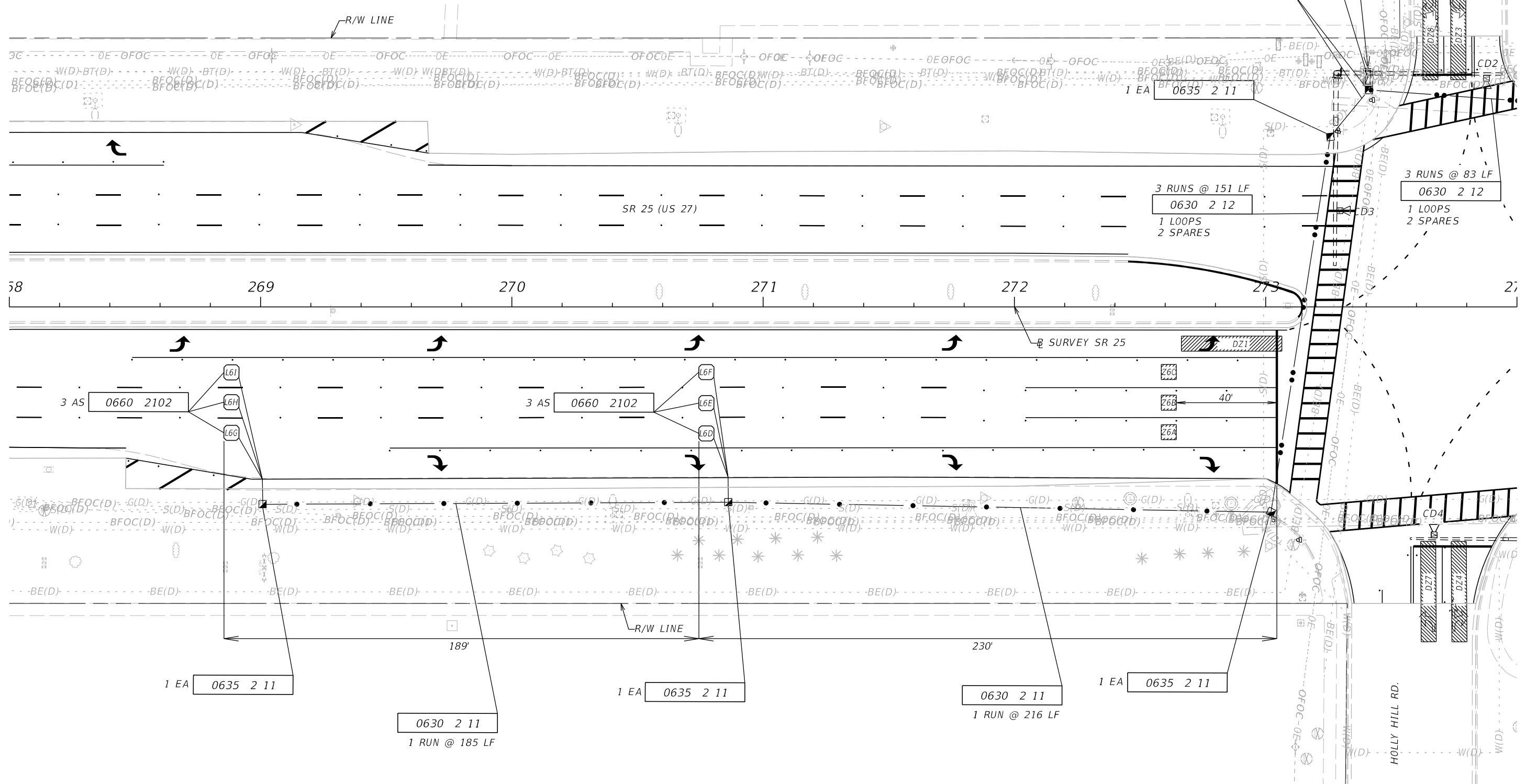
SIGNAL LOCATION 2
SR 25 (US 27) AT
MASSEE RD. / HOLLY HILL RD.
MP 20.168
SIGNAL ID: 749

INTERCEPT EXISTING PULL
 BOXES AND CONDUIT TO
 RUN LOOP CABLES INTO
 THE CONTROLLER CABINET.

EXISTING
 CONTROLLER
 CABINET



- 6 EA 0660 1110
- 1 EA 0671 2 40
- 1 RUN @ 24'
- 0630 2 11
- 1 EA 0635 2 11



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REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

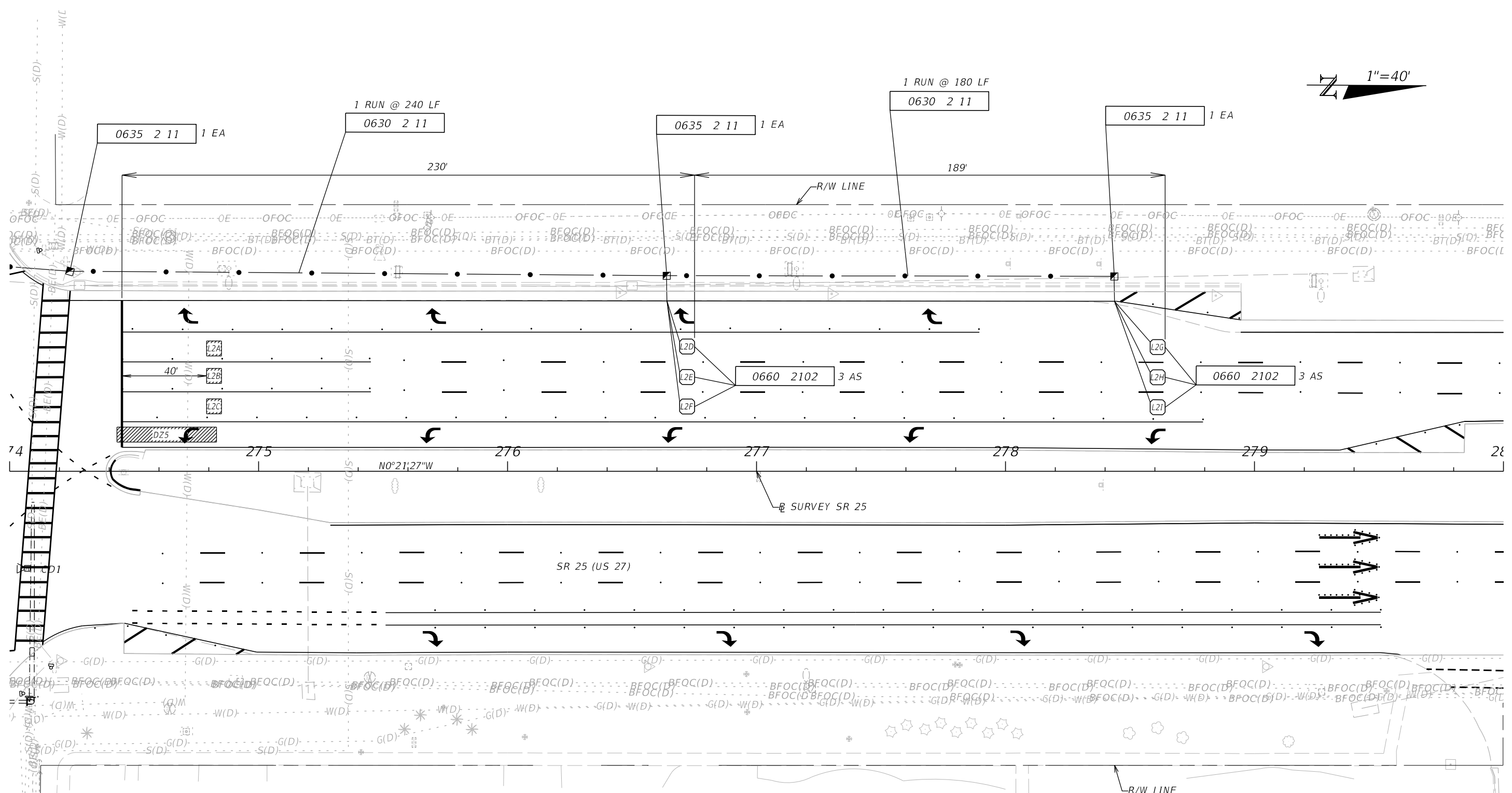
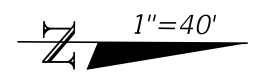
ENGINEER OF RECORD
 ISAMARIE L. MONREAL
 LICENSE NUMBER: 72029
 FLORIDA DEPT. OF TRANSPORTATION
 801 N. BROADWAY AVENUE
 BARTOW, FL 33830-3809

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 25	POLK	449275-1-52-01

SIGNALIZATION PLAN

SHEET NO.
T-5

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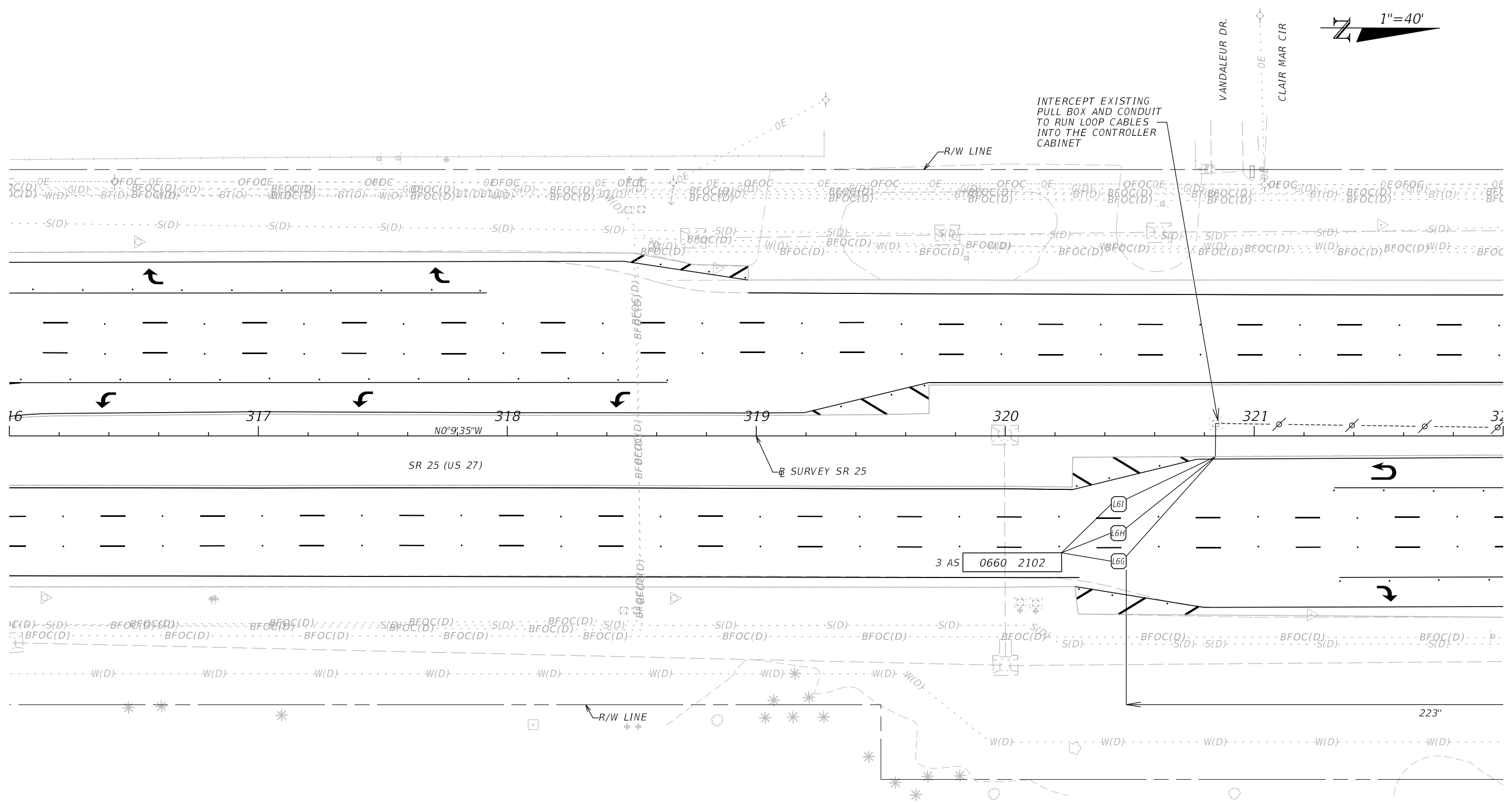
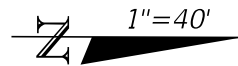


SIGNAL LOCATION 2
 SR 25 (US 27) AT
 MASSEE RD. / HOLLY HILL RD.
 MP 20.168
 SIGNAL ID: 749

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REVISIONS				ENGINEER OF RECORD			STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION	ISAMARIE L. MONREAL LICENSE NUMBER: 72029 FLORIDA DEPT. OF TRANSPORTATION 801 N. BROADWAY AVENUE BARTOW, FL 33830-3809			ROAD NO.	COUNTY	FINANCIAL PROJECT ID	
				SR 25	POLK	449275-1-52-01	SIGNALIZATION PLAN			
										T-6

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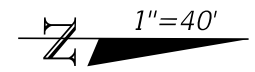


SIGNAL LOCATION 3
 SR 25 (US 27) AT
 RIDGEWOOD LAKES BLVD.
 MP 21.161
 SIGNAL ID: 1116

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REVISIONS				ENGINEER OF RECORD		STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			SIGNALIZATION PLAN	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION	ISAMARIE L. MONREAL LICENSE NUMBER: 72029 FLORIDA DEPT. OF TRANSPORTATION 801 N. BROADWAY AVENUE BARTOW, FL 33830-3809		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
								SR 25		POLK

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INTERCEPT EXISTING PULL BOXES AND CONDUIT TO RUN LOOP CABLES INTO THE CONTROLLER CABINET.

0660	1110	4 EA
0671	2 40	1 EA

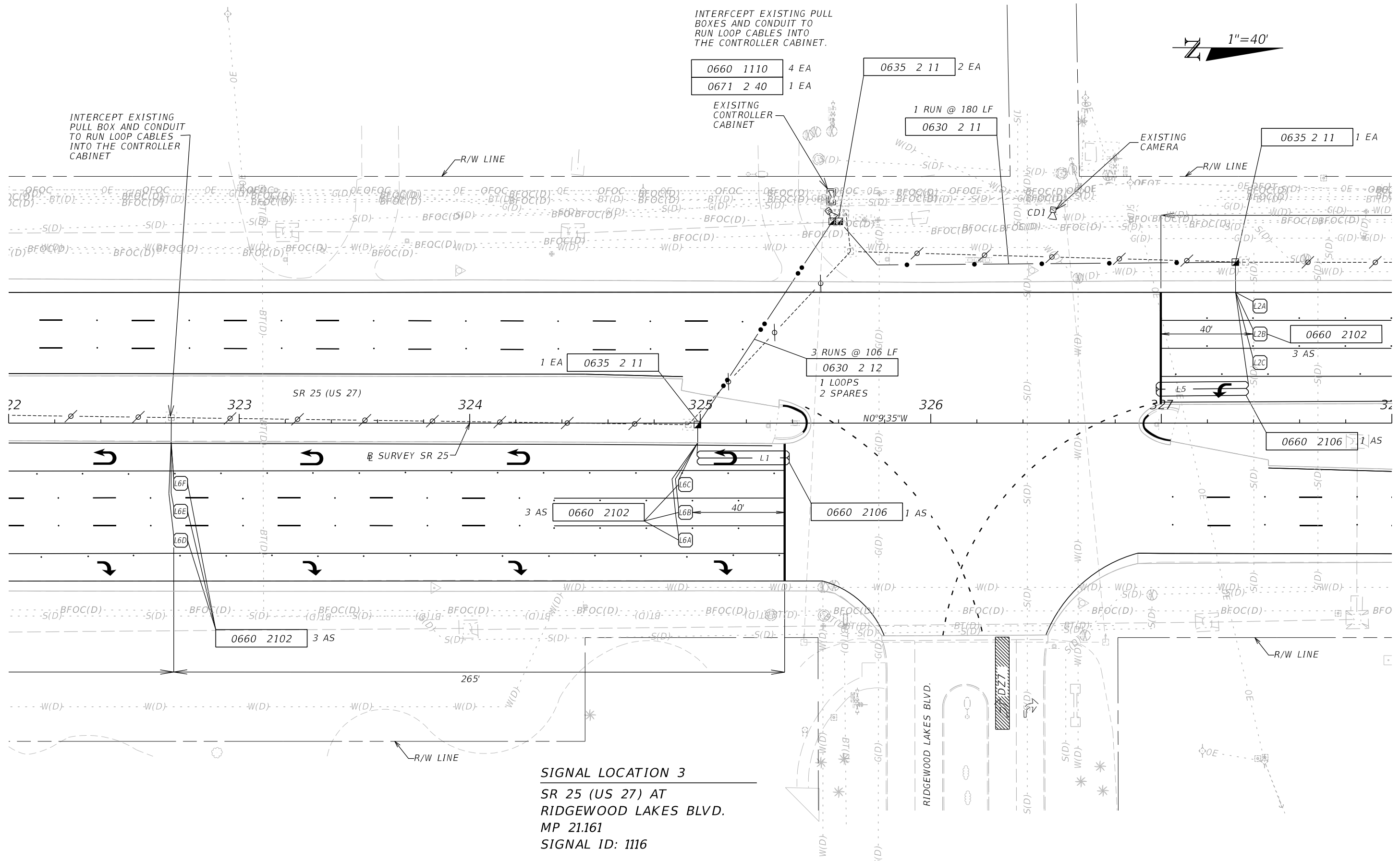
0635	2 11	2 EA
------	------	------

1 RUN @ 180 LF
0630 2 11

INTERCEPT EXISTING PULL BOX AND CONDUIT TO RUN LOOP CABLES INTO THE CONTROLLER CABINET

EXISTING CAMERA

0635	2 11	1 EA
------	------	------



SIGNAL LOCATION 3
 SR 25 (US 27) AT
 RIDGEWOOD LAKES BLVD.
 MP 21.161
 SIGNAL ID: 1116

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REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

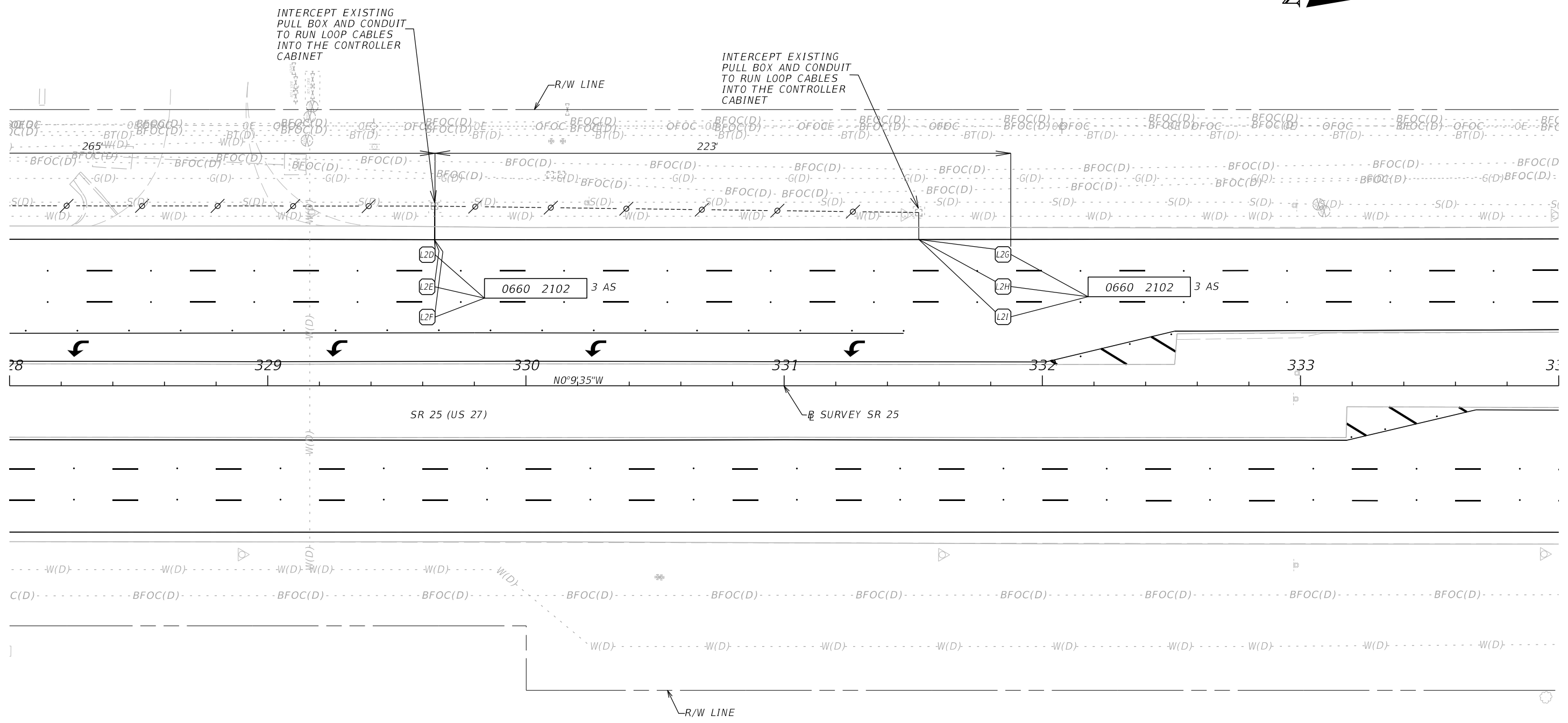
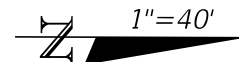
ENGINEER OF RECORD
 ISAMARIE L. MONREAL
 LICENSE NUMBER: 72029
 FLORIDA DEPT. OF TRANSPORTATION
 801 N. BROADWAY AVENUE
 BARTOW, FL 33830-3809

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 25	POLK	449275-1-52-01

SIGNALIZATION PLAN

SHEET NO.
T-8

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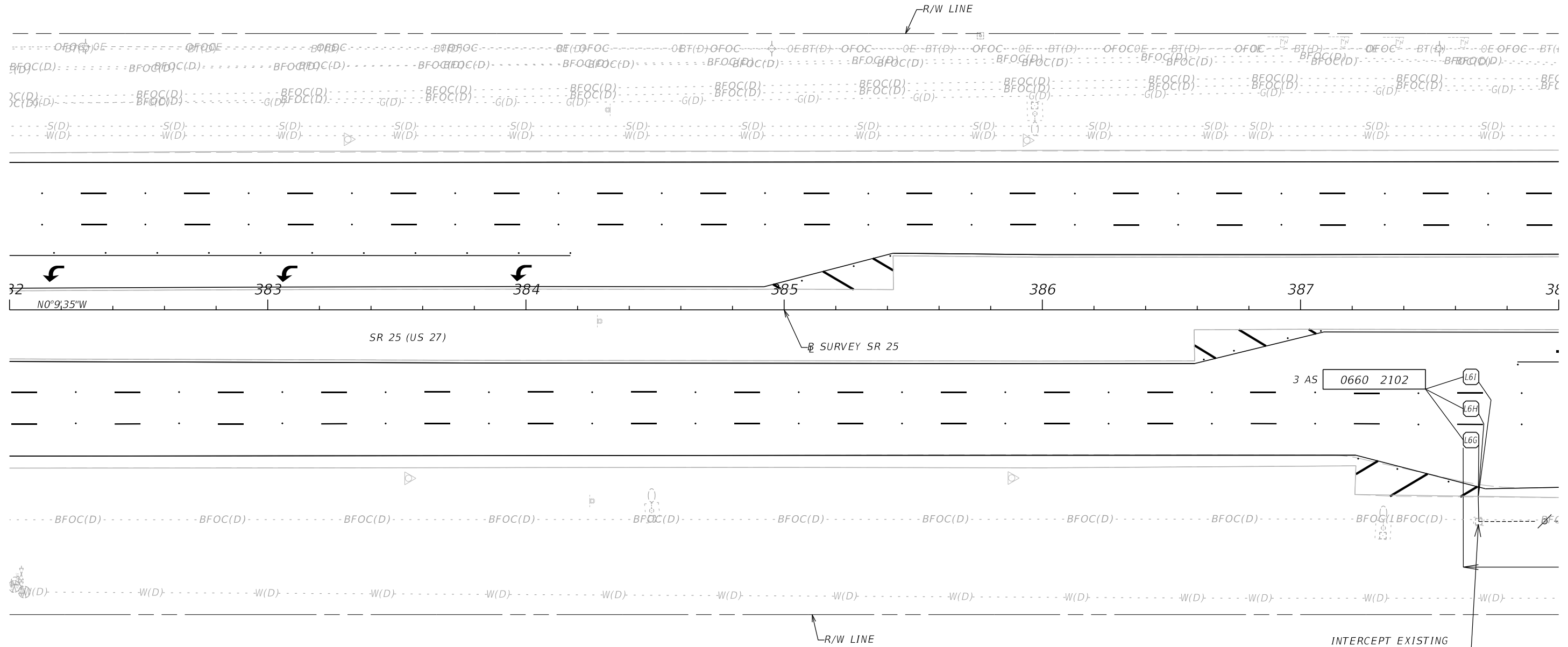
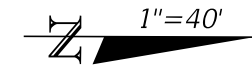
SIGNAL LOCATION 3
 SR 25 (US 27) AT
 RIDGEWOOD LAKES BLVD.
 MP 21.161
 SIGNAL ID: 1116

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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
				ISAMARIE L. MONREAL LICENSE NUMBER: 72029 FLORIDA DEPT. OF TRANSPORTATION 801 N. BROADWAY AVENUE BARTOW, FL 33830-3809					SR 25	

SIGNALIZATION PLAN

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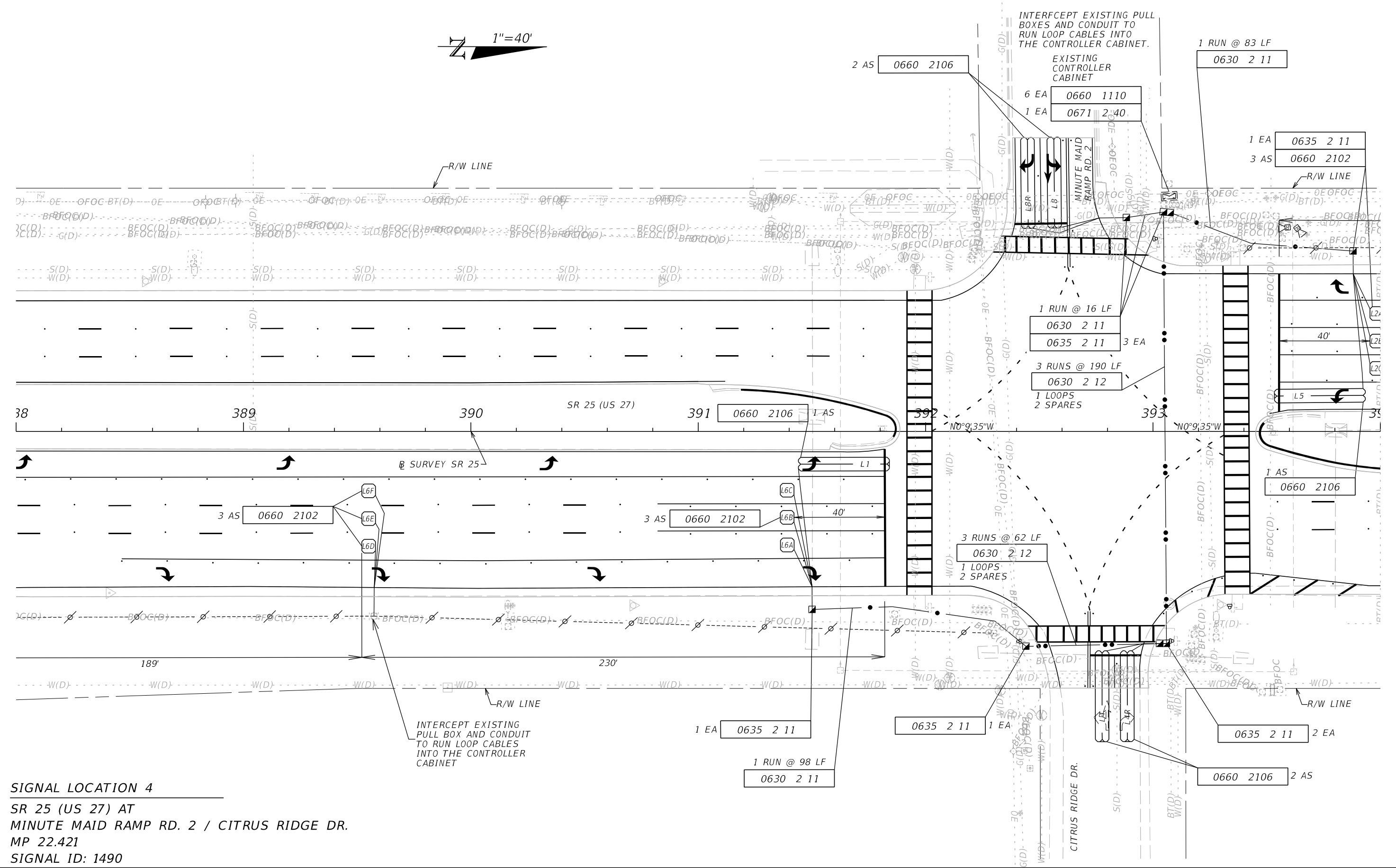
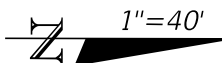
SIGNAL LOCATION 4
 SR 25 (US 27) AT
 MINUTE MAID RAMP RD. 2 / CITRUS RIDGE DR.
 MP 22.421
 SIGNAL ID: 1490

INTERCEPT EXISTING
 PULL BOX AND CONDUIT
 TO RUN LOOP CABLES
 INTO THE CONTROLLER
 CABINET

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REVISIONS				ENGINEER OF RECORD		STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			SHEET NO.	
DATE	DESCRIPTION	DATE	DESCRIPTION	ISAMARIE L. MONREAL LICENSE NUMBER: 72029 FLORIDA DEPT. OF TRANSPORTATION 801 N. BROADWAY AVENUE BARTOW, FL 33830-3809			ROAD NO.	COUNTY		FINANCIAL PROJECT ID
				SR 25	POLK	449275-1-52-01	SIGNALIZATION PLAN			
										T-10

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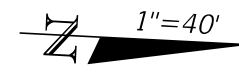
SIGNAL LOCATION 4
 SR 25 (US 27) AT
 MINUTE MAID RAMP RD. 2 / CITRUS RIDGE DR.
 MP 22.421
 SIGNAL ID: 1490

REVISIONS		ENGINEER OF RECORD		STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION	ROAD NO.	COUNTY	FINANCIAL PROJECT ID	
			ISAMARIE L. MONREAL LICENSE NUMBER: 72029 FLORIDA DEPT. OF TRANSPORTATION 801 N. BROADWAY AVENUE BARTOW, FL 33830-3809	SR 25	POLK	449275-1-52-01	T-11

SIGNALIZATION PLAN

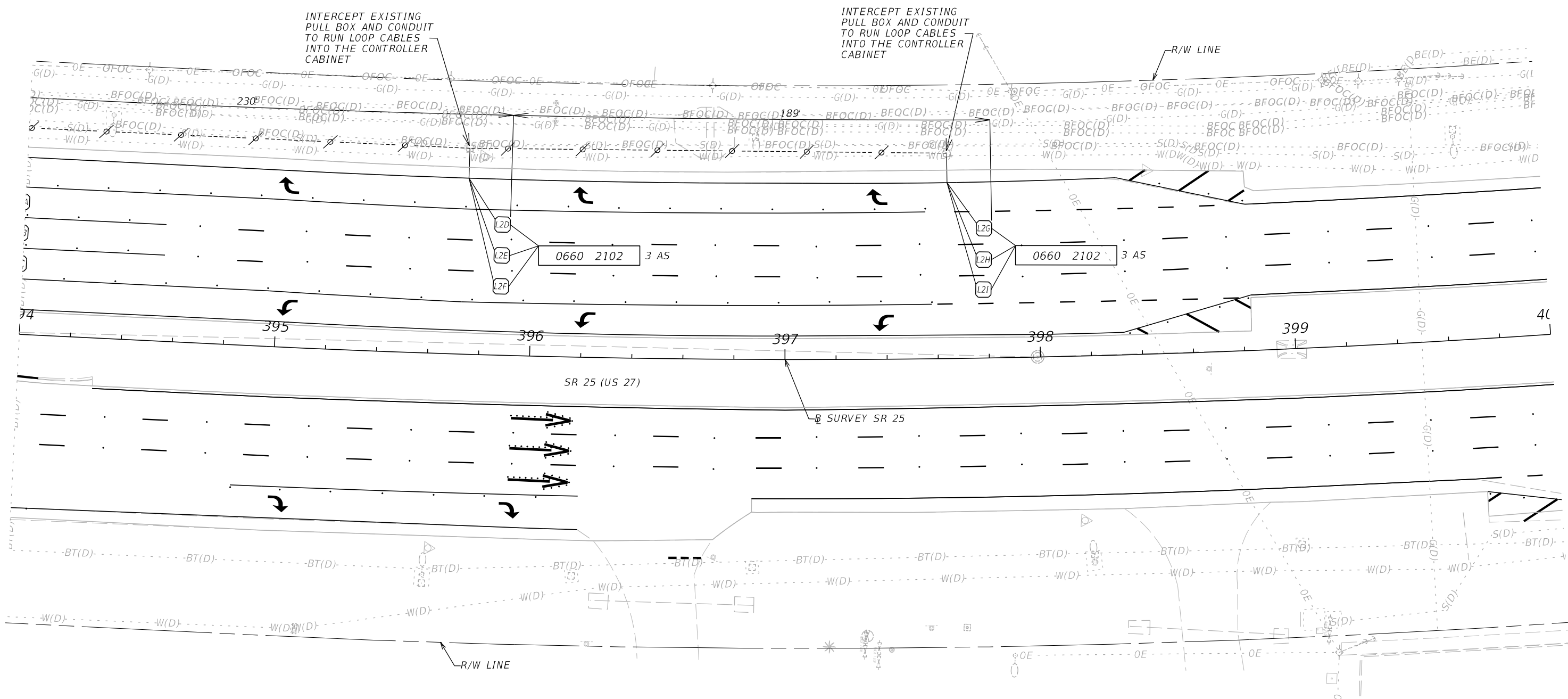
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INTERCEPT EXISTING
PULL BOX AND CONDUIT
TO RUN LOOP CABLES
INTO THE CONTROLLER
CABINET

INTERCEPT EXISTING
PULL BOX AND CONDUIT
TO RUN LOOP CABLES
INTO THE CONTROLLER
CABINET

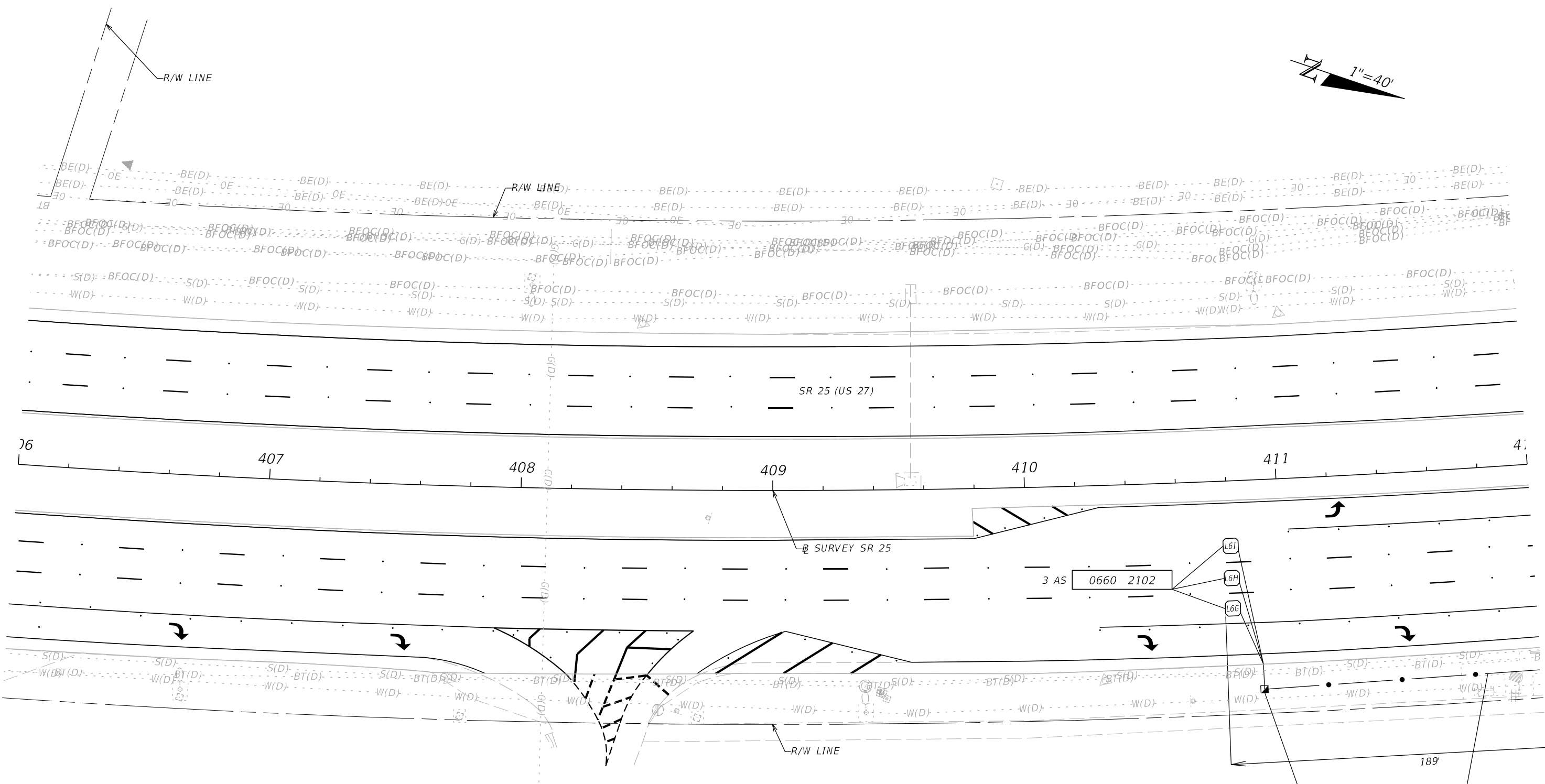
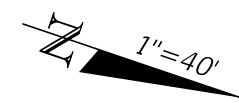


SIGNAL LOCATION 4
 SR 25 (US 27) AT
 MINUTE MAID RAMP RD. 2 / CITRUS RIDGE DR.
 MP 22.421
 SIGNAL ID: 1490

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REVISIONS				ENGINEER OF RECORD		STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION	ISAMARIE L. MONREAL LICENSE NUMBER: 72029 FLORIDA DEPT. OF TRANSPORTATION 801 N. BROADWAY AVENUE BARTOW, FL 33830-3809		ROAD NO.	COUNTY	FINANCIAL PROJECT ID	
						SR 25	POLK	449275-1-52-01	<p style="text-align: center; font-size: 1.2em;">SIGNALIZATION PLAN</p> <p style="text-align: center;">T-12</p>

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



SIGNAL LOCATION 5
 SR 25 (US 27) AT
 HELLER BROTHERS BLVD. / DEER CREEK BLVD.
 MP 22.859
 SIGNAL ID: 1491

6/24/2024 1:15:09 PM RD152MM C:\proj\ecis\FDOT\4492751-5201\Signalization\PLAN5001.dgn

REVISIONS				ENGINEER OF RECORD		STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			SIGNALIZATION PLAN	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION	ISAMARIE L. MONREAL LICENSE NUMBER: 72029 FLORIDA DEPT. OF TRANSPORTATION 801 N. BROADWAY AVENUE BARTOW, FL 33830-3809		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
						SR 25	POLK	449275-1-52-01		T-13

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INTERCEPT EXISTING PULL BOXES AND CONDUIT TO RUN LOOP CABLES INTO THE CONTROLLER CABINET.

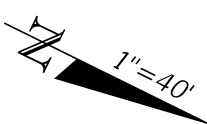
0635	2 11	2 EA
0660	1110	8 EA
0660	3 11	1 EA
0671	2 40	1 EA

EXISTING CONTROLLER CABINET

EXISTING PULL BOX

0660 2106 4 AS

1 RUN @ 7 LF		
0630	2 11	
0630	2 14	20 LF
0660	3 12	1 EA



0635 2 11 2 EA

R/W LINE

INTERCEPT EXISTING PULL BOX AND CONDUIT TO RUN LOOP CABLES INTO THE CONTROLLER CABINET.

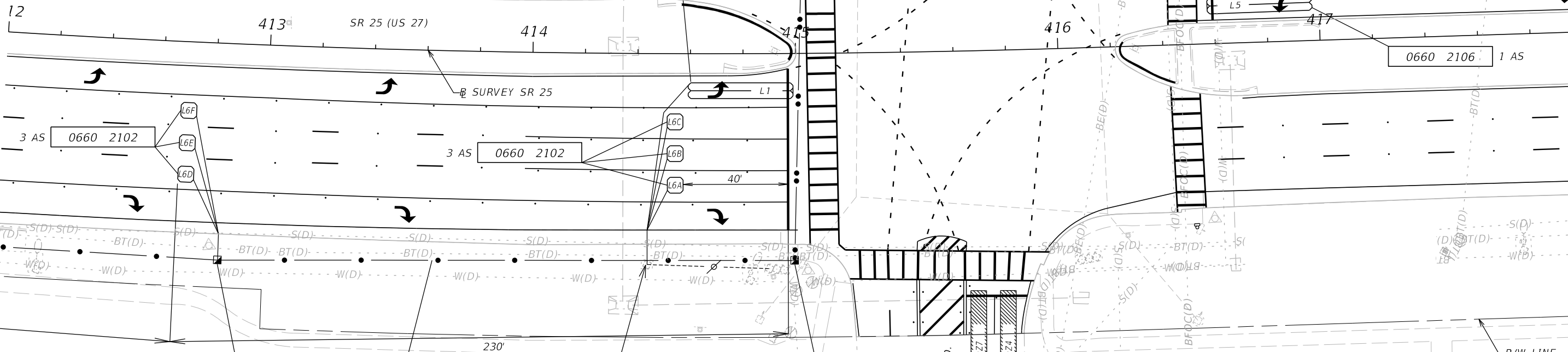
4 RUNS @ 149 LF
0630 2 12
1 LOOPS
1 RADAR
2 SPARES

3 RUNS @ 174 LF
0630 2 12
1 LOOPS
2 SPARES

0660 2102 3 AS

0660 2106 1 AS

1 AS 0660 2106



1 EA 0635 2 11

0630 2 11
1 RUN @ 220 LF

INTERCEPT EXISTING PULL BOX AND CONDUIT TO RUN LOOP CABLES INTO THE CONTROLLER CABINET

1 EA 0635 2 11

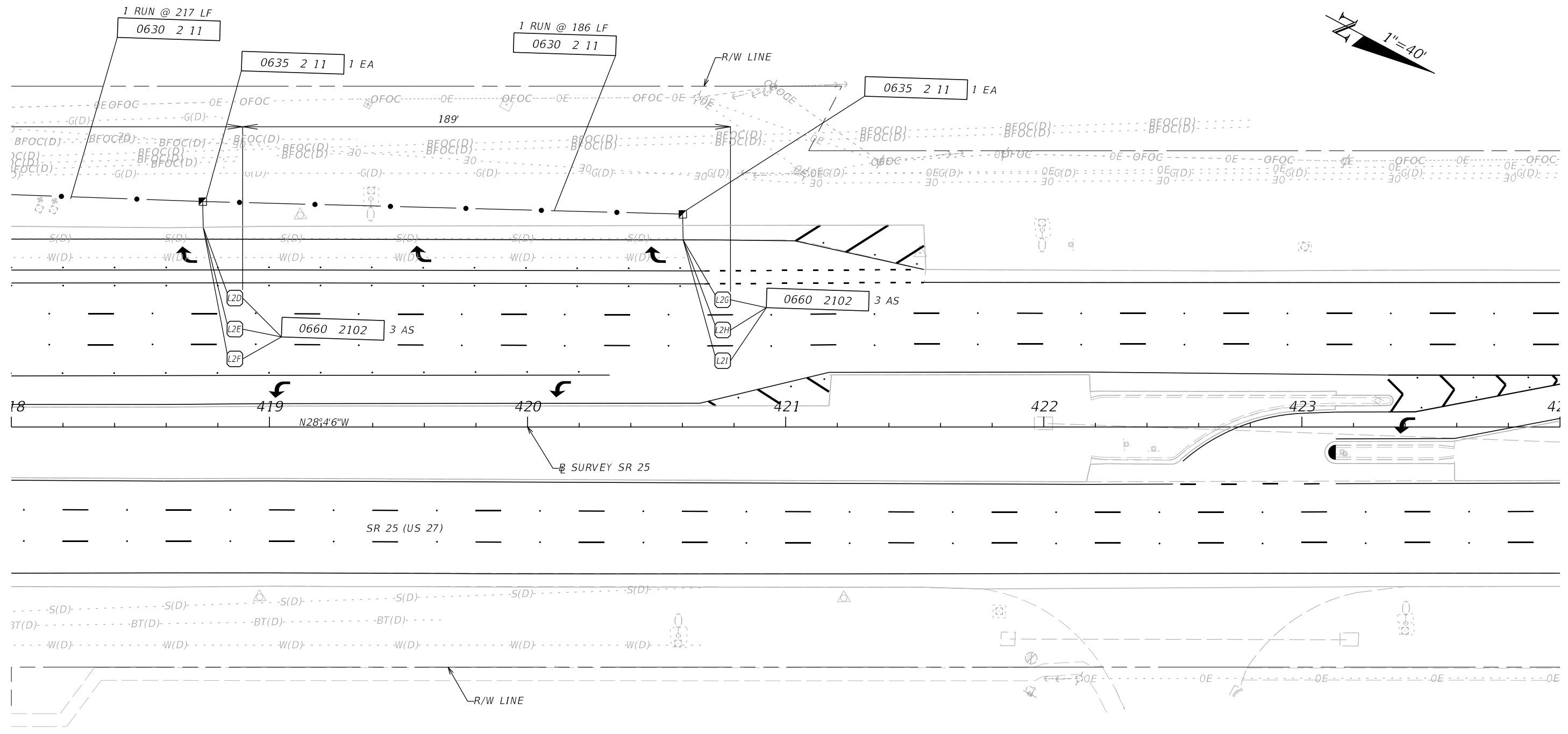
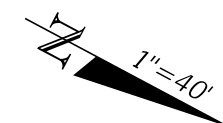
SIGNAL LOCATION 5
SR 25 (US 27) AT
HELLER BROTHERS BLVD. / DEER CREEK BLVD.
MP 22.859
SIGNAL ID: 1491

6/24/2024 1:15:09 PM RD152MM C:\proj\ects\FDOT\4492751-5201\Signalization\PLAN\sc01.dgn

REVISIONS				ENGINEER OF RECORD		STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION	ISAMARIE L. MONREAL LICENSE NUMBER: 72029 FLORIDA DEPT. OF TRANSPORTATION 801 N. BROADWAY AVENUE BARTOW, FL 33830-3809		ROAD NO.	COUNTY	FINANCIAL PROJECT ID	
						SR 25	POLK	449275-1-52-01	T-14

SIGNALIZATION PLAN

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



SIGNAL LOCATION 5
 SR 25 (US 27) AT
 HELLER BROTHERS BLVD. / DEER CREEK BLVD.
 MP 22.859
 SIGNAL ID: 1491

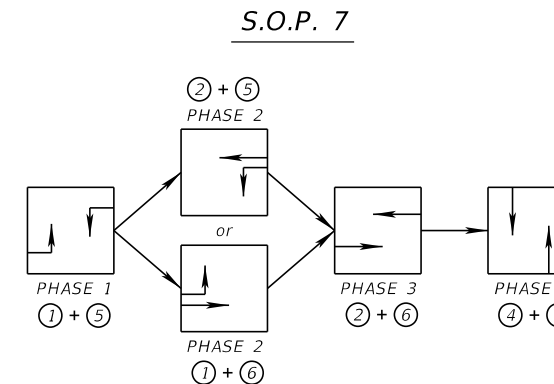
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REVISIONS				ENGINEER OF RECORD		STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			SHEET NO. SIGNALIZATION PLAN
DATE	DESCRIPTION	DATE	DESCRIPTION	ISAMARIE L. MONREAL LICENSE NUMBER: 72029 FLORIDA DEPT. OF TRANSPORTATION 801 N. BROADWAY AVENUE BARTOW, FL 33830-3809		ROAD NO.	COUNTY	FINANCIAL PROJECT ID	
						SR 25	POLK	449275-1-52-01	
									T-15

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

CONTROLLER OPERATIONS

1. MAJOR STREET IS SR 25 (US 27), (MOVEMENTS 2 AND 6) AND MINOR STREET IS HOLLY HILL CUTOFF RD. / NORTH BLVD. W., (MOVEMENTS 4 AND 8).
2. STANDARD SIGNAL OPERATING PLAN NO. 7 WITH THE FOLLOWING:
 - (A) REQUEST UPDATED SIGNAL TIMINGS FROM FDOT TSM&O ENGINEER, NEAL TURNER - ARTERIALS (863-519-2216) WHEN ALL LANES, STRIPING, SIGNALS, AND PEDESTRIAN FACILITIES ARE IN THEIR 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 (3) WEEKS FOLLOWING THE REQUEST FOR FDOT TO DEVELOP THE UPDATED TIMINGS. PROGRAM THE CONTROLLER PER THE TIMINGS PROVIDED BY FDOT.
 - (B) CONCURRENT/ACTUATED PEDESTRIANS FOR MOVEMENTS 2 (P2), 4 (P4), 6 (P6), AND 8 (P8).
 - (C) WHEN SIGNAL IS IN FLASHING MODE, MOVEMENTS 2 AND 6 SHALL FLASH YELLOW. ALL OTHER VEHICLE MOVEMENTS SHALL FLASH RED.
3. CONTROLLER TIMINGS ARE INITIAL AND MAY REQUIRE FIELD ADJUSTMENTS AS DIRECTED BY THE PROJECT ENGINEER.



CONTROLLER TIMINGS								
MOVEMENT NUMBER	1	2	3	4	5	6	7	8
DIRECTION	NBL	SB	-	WB	SBL	NB	-	EB
TURN TYPE	Prot	-	-	-	Prot	-	-	-
MINIMUM GREEN	5	15	-	7	5	15	-	7
EXTENSION	3.0	2.4	-	3.0	3.0	2.4	-	3.0
YELLOW CLEARANCE	5.5	5.5	-	3.7	5.5	5.5	-	3.7
ALL RED	2.0	5.5	-	3.7	2.0	5.5	-	3.7
MAXIMUM GREEN 1	15	75	-	20	15	75	-	20
MAXIMUM GREEN 2	-	-	-	-	-	-	-	-
MAX LIMIT	-	-	-	-	-	-	-	-
ADJUST BY	-	-	-	-	-	-	-	-
PEDESTRIAN WALK	-	7	-	7	-	7	-	7
PED. CLEARANCE	-	40	-	18	-	41	-	17
DETECTOR MEMORY	-	-	-	-	-	-	-	-
DET. CROSS SWITCH	-	-	-	-	-	-	-	-
DUAL ENTRY	-	ON	-	ON	-	ON	-	ON
RECALL	-	MIN	-	-	-	MIN	-	-

EXISTING RADAR DETECTION ASSIGNMENTS				
RADAR DETECTOR	DETECTION ZONE	CHANNEL NO.	CONNECT TO MOVEMENT	DELAY TIME (SEC.)
RD-3	DZ2A	1	2	0
	DZ2B	2	2	0
	DZ2C	3	2	0
	DZ5	4	5	0

EXISTING DETECTORS FOR LOOPS					
LOOP	NO. OF LOOPS	NO. OF NEW DETS.	CHANNEL NO.	CONNECT TO MOVEMENT	DELAY TIME (SEC.)
L2D	1	0	1	2	0
L2E	1		2	2	0
L2F	1	0	1	2	0
L2G	1		2	2	0
L2H	1	0	1	2	0
L2I	1		2	2	0

SIGNAL LOCATION 1 _____
 SR 25 (US 27) AT
 HOLLY HILL CUTOFF RD. / NORTH BLVD. W.
 MP 19.172
 SIGNAL ID: 1595

6/24/2024 1:15:11 PM RD152MM C:\projects\FDOT\44927515201\Signalization\SPDT\SG01.dgn

REVISIONS				ENGINEER OF RECORD		STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION	NATHAN J. POOLE LICENSE NUMBER: 79444 VIBE 700 CENTRAL, SUITE 302 ST. PETERSBURG, FL 33701		ROAD NO.	COUNTY	FINANCIAL PROJECT ID	
						SR 25	POLK	449275-1-52-01	

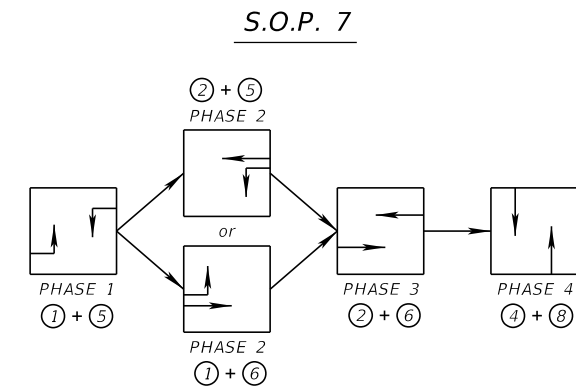
SIGNAL TIMING DETAILS

T-16

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

CONTROLLER OPERATIONS

1. MAJOR STREET IS SR 25 (US 27), (MOVEMENTS 2 AND 6) AND MINOR STREET IS MASSEE RD. / HOLLY HILL RD., (MOVEMENTS 4 AND 8).
2. STANDARD SIGNAL OPERATING PLAN NO. 7 WITH THE FOLLOWING:
 - (A) REQUEST UPDATED SIGNAL TIMINGS FROM FDOT TSM&O ENGINEER, NEAL TURNER - ARTERIALS (863- 519-2216) WHEN ALL LANES, STRIPING, SIGNALS AND PEDESTRIAN FACILITIES ARE IN THEIR 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 (3) WEEKS FOLLOWING THE REQUEST FOR FDOT TO DEVELOP THE UPDATED TIMINGS. PROGRAM THE CONTROLLER PER THE TIMINGS PROVIDED BY FDOT.
 - (B) EMERGENCY VEHICLE PREEMPTION.
 - (1) ENTRY INTO EMERGENCY VEHICLE PREEMPTION SHALL NOT FORCE OFF MINIMUM GREEN OR PEDESTRIAN CLEARANCE.
 - (2) YELLOW AND ALL RED INTERVALS DURING PREEMPTION SHALL BE THE SAME VALUES USED DURING NORMAL CONTROLLER OPERATIONS.
 - (C) CONCURRENT/ACTUATED PEDESTRIANS FOR MOVEMENTS 2 (P2), 4 (P4), 6 (P6), AND 8 (P8).
 - (D) WHEN SIGNAL IS IN FLASHING MODE, MOVEMENTS 2 AND 6 SHALL FLASH YELLOW. ALL OTHER VEHICLE MOVEMENTS SHALL FLASH RED.
3. CONTROLLER TIMINGS ARE INITIAL AND MAY REQUIRE FIELD ADJUSTMENTS AS DIRECTED BY THE PROJECT ENGINEER.



CONTROLLER TIMINGS								
MOVEMENT NUMBER	1	2	3	4	5	6	7	8
DIRECTION	NBL	SB	EBL	WB	SBL	NB	WBL	EB
TURN TYPE	Prot	-	-	-	Prot	-	-	-
MINIMUM GREEN	5	15	5	7	5	15	5	7
EXTENSION	3.0	2.4	3.0	3.0	3.0	2.4	3.0	3.0
YELLOW CLEARANCE	5.5	5.5	3.4	4.4	5.5	5.5	4.4	3.4
ALL RED	2.0	5.5	3.4	4.4	5.5	5.5	4.4	3.4
MAXIMUM GREEN 1	20	55	-	30	20	55	-	20
MAXIMUM GREEN 2	40	90	-	30	40	90	-	30
MAX LIMIT	-	-	-	-	-	-	-	-
ADJUST BY	-	-	-	-	-	-	-	-
PEDESTRIAN WALK	-	7	-	7	-	7	-	7
PED. CLEARANCE	-	45	-	23	-	41	-	17
DETECTOR MEMORY	-	ON	-	ON	-	ON	-	ON
DET. CROSS SWITCH	-	-	-	-	-	-	-	-
DUAL ENTRY	-	-	-	-	-	-	-	-
RECALL	-	MIN	-	-	-	MIN	-	-

PRE-EMPTION TIMING PLAN	1	2	3	4
DWELL PHASE(S)	1,6	2,5	4,7	3,8
MIN. GREEN BEFORE PRE-EMPTION	-	-	-	-
YELLOW CLEARANCE	6	6	6	6
RED CLEARANCE	2	2	2	2
MINIMUM DWELL	20	20	7	7
YELLOW CLEARANCE	6	6	4	4
RED CLEARANCE	2	2	1	1

DETECTORS FOR LOOPS					
LOOP	NO. OF LOOPS	NO. OF NEW DETS.	CHANNEL NO.	CONNECT TO MOVEMENT	DELAY TIME (SEC.)
L2D	1	1	1	2	0
L2E	1		2	2	0
L2F	1	1	1	2	0
L2G	1		2	2	0
L2H	1	1	1	2	0
L2I	1		2	2	0
L6D	1	1	1	6	0
L6E	1		2	6	0
L6F	1	1	1	6	0
L6G	1		2	6	0
L6H	1	1	1	6	0
L6I	1		2	6	0

VIDEO VEHICLE DETECTION ASSIGNMENTS			
CAMERA DETECTOR	DETECTION ZONE	CONNECT TO MOVEMENT	DELAY TIME (SEC.)
CD1	DZ6A	6	0
	DZ6B	6	0
	DZ6C	6	0
	DZ1	1	0
CD2	DZ4	4	0
	DZ7	7	0
CD3	DZ2A	2	0
	DZ2B	2	0
	DZ2C	2	0
CD4	DZ8	8	0
	DZ3	3	0

SIGNAL LOCATION 2
 SR 25 (US 27) AT
 MASSEE RD. / HOLLY HILL RD.
 MP 20.168
 SIGNAL ID: 749

6/24/2024 1:15:12 PM RD152MM C:\projects\FDOT\44927515201\Signalization\SPDT\SG01.dgn

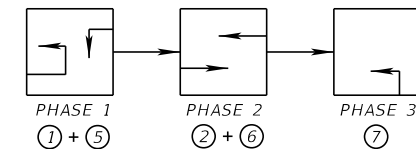
REVISIONS				ENGINEER OF RECORD		STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION	NATHAN J. POOLE LICENSE NUMBER: 79444 VIBE 700 CENTRAL, SUITE 302 ST. PETERSBURG, FL 33701		ROAD NO.	COUNTY	FINANCIAL PROJECT ID	
						SR 25	POLK	449275-1-52-01	SIGNAL TIMING DETAILS
									T-17

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

CONTROLLER OPERATIONS

1. MAJOR STREET IS SR 25 (US 27), (MOVEMENTS 2 AND 6) AND MINOR STREET IS RIDGEWOOD LAKES BLVD., (MOVEMENT 7).
2. SPECIAL SIGNAL OPERATING PLAN NO. 2 WITH THE FOLLOWING:
 - (A) REQUEST UPDATED SIGNAL TIMINGS FROM FDOT TSM&O ENGINEER, NEAL TURNER - ARTERIALS (863-519-2216) WHEN ALL LANES, STRIPING, SIGNALS AND PEDESTRIAN FACILITIES ARE IN THEIR 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 (3) WEEKS FOLLOWING THE REQUEST FOR FDOT TO DEVELOP THE UPDATED TIMINGS. PROGRAM THE CONTROLLER PER THE TIMINGS PROVIDED BY FDOT.
 - (B) WHEN SIGNAL IS IN FLASHING MODE, MOVEMENTS 2 AND 6 SHALL FLASH YELLOW. ALL OTHER VEHICLE MOVEMENTS SHALL FLASH RED.
 - (C) PROGRAM A START-UP DELAY OF 2 SECONDS FOR THE FLASHING YELLOW ARROW ON MOVEMENTS 1 AND 5 (RELATIVE TO THE OPPOSING THROUGH MOVEMENTS).
3. CONTROLLER TIMINGS ARE INITIAL AND MAY REQUIRE FIELD ADJUSTMENTS AS DIRECTED BY THE PROJECT ENGINEER.

SPECIAL S.O.P. 2



CONTROLLER TIMINGS								
MOVEMENT NUMBER	1	2	3	4	5	6	7	8
DIRECTION	NBL	SB	-	-	SBL	NB	WBL	-
TURN TYPE	Prot	-	-	-	Prot	-	-	-
MINIMUM GREEN	5	15	-	-	5	15	5	-
EXTENSION	3.0	2.6	-	-	3.0	2.6	3.0	-
YELLOW CLEARANCE	5.9	5.9	-	-	5.9	5.9	3.7	-
ALL RED	2.0	5.9	-	-	2.0	5.9	3.7	-
MAXIMUM GREEN 1	15	40	-	-	15	40	-	-
MAXIMUM GREEN 2	30	120	-	-	30	120	-	-
MAX LIMIT	-	-	-	-	-	-	-	-
ADJUST BY	-	-	-	-	-	-	-	-
PEDESTRIAN WALK	-	7	-	-	-	7	-	-
PED. CLEARANCE	-	20	-	-	-	22	-	-
DETECTOR MEMORY	-	-	-	-	-	-	-	-
DET. CROSS SWITCH	-	-	-	-	-	-	-	-
DUAL ENTRY	-	-	-	-	-	-	-	-
RECALL	-	MIN	-	-	-	MIN	-	-

EXISTING VIDEO VEHICLE DETECTION ASSIGNMENTS			
CAMERA DETECTOR	DETECTION ZONE	CONNECT TO MOVEMENT	DELAY TIME (SEC.)
CDI	DZ-	-	-
	DZ7	7	0

DETECTORS FOR LOOPS					
LOOP	NO. OF LOOPS	NO. OF NEW DETS.	CHANNEL NO.	CONNECT TO MOVEMENT	DELAY TIME (SEC.)
L2A	1	1	1	2	0
L2B	1		2	2	0
L2C	1	1	1	2	0
L5	1		2	5	0
L2D	1	0	1	2	0
L2E	1		2	2	0
L2F	1	0	1	2	0
L2G	1		2	2	0
L2H	1	0	1	2	0
L2I	1		2	2	0
L6A	1	1	1	6	0
L6B	1		2	6	0
L6C	1	1	1	6	0
L1	1		2	1	0
L6D	1	0	1	6	0
L6E	1		2	6	0
L6F	1	0	1	6	0
L6G	1		2	6	0
L6H	1	0	1	6	0
L6I	1		2	6	0

SIGNAL LOCATION 3
 SR 25 (US 27) AT
 RIDGEWOOD LAKES BLVD.
 MP 21.161
 SIGNAL ID: 1116

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REVISIONS				ENGINEER OF RECORD		STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION	NATHAN J. POOLE LICENSE NUMBER: 79444 VIBE 700 CENTRAL, SUITE 302 ST. PETERSBURG, FL 33701		ROAD NO.	COUNTY	FINANCIAL PROJECT ID	
						SR 25	POLK	449275-1-52-01	

SIGNAL TIMING DETAILS

T-18

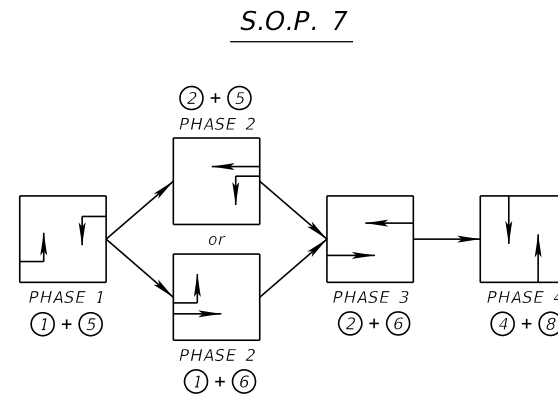
THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

CONTROLLER OPERATIONS

1. MAJOR STREET IS SR 25 (US 27), (MOVEMENTS 2 AND 6) AND MINOR STREET IS MINUTE MAID RAMP RD. 2 / CITRUS RIDGE DR., (MOVEMENTS 4 AND 8).
2. STANDARD SIGNAL OPERATING PLAN NO. 7 WITH THE FOLLOWING:
 - (A) REQUEST UPDATED SIGNAL TIMINGS FROM FDOT TSM&O ENGINEER, NEAL TURNER - ARTERIALS (863-519-2216) WHEN ALL LANES, STRIPING, SIGNALS AND PEDESTRIAN FACILITIES ARE IN THEIR 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 (3) WEEKS FOLLOWING THE REQUEST FOR FDOT TO DEVELOP THE UPDATED TIMINGS. PROGRAM THE CONTROLLER PER THE TIMINGS PROVIDED BY FDOT.
 - (B) CONCURRENT/ACTUATED PEDESTRIANS FOR MOVEMENTS 2 (P2), 4 (P4), 6 (P6), AND 8 (P8).
 - (C) WHEN SIGNAL IS IN FLASHING MODE, MOVEMENTS 2 AND 6 SHALL FLASH YELLOW. ALL OTHER VEHICLES MOVEMENTS SHALL FLASH RED.
 - (D) PROGRAM A START-UP DELAY OF 2 SECONDS FOR THE FLASHING YELLOW ARROW ON MOVEMENTS 1 AND 5.
3. CONTROLLER TIMINGS ARE INITIAL AND MAY REQUIRE FIELD ADJUSTMENTS AS DIRECTED BY THE PROJECT ENGINEER.

DETECTORS FOR LOOPS					
LOOP	NO. OF LOOPS	NO. OF NEW DETS.	CHANNEL NO.	CONNECT TO MOVEMENT	DELAY TIME (SEC.)
L2A	1	1	1	2	0
L2B	1		2	2	0
L2C	1	1	1	2	0
L5	1		2	5	0
L2D	1	0	1	2	0
L2E	1		2	2	0
L2F	1	0	1	2	0
L2G	1		2	2	0
L2H	1	0	1	2	0
L2I	1		2	2	0
L6A	1	1	1	6	0
L6B	1		2	6	0
L6C	1	1	1	6	0
L1	1		2	1	0
L6D	1	0	1	6	0
L6E	1		2	6	0
L6F	1	0	1	6	0
L6G	1		2	6	0
L6H	1	0	1	6	0
L6I	1		2	6	0
L4	1	1	1	4	0
L4R	1		2	4	0
L8	1	1	1	8	0
L8R	1		2	8	0

CONTROLLER TIMINGS								
MOVEMENT NUMBER	1	2	3	4	5	6	7	8
DIRECTION	NBL	SB	-	WB	SBL	NB	-	EB
TURN TYPE	P/P	-	-	-	P/P	-	-	-
MINIMUM GREEN	5	15	-	7	5	15	-	7
EXTENSION	3.0	2.4	-	3.0	3.0	2.4	-	3.0
YELLOW CLEARANCE	5.5	5.5	-	4.0	5.5	5.5	-	4.4
ALL RED	5.5	5.5	-	4.0	5.5	5.5	-	4.4
MAXIMUM GREEN 1	15	40	-	20	15	40	-	20
MAXIMUM GREEN 2	30	120	-	50	30	120	-	50
MAX LIMIT	-	-	-	-	-	-	-	-
ADJUST BY	-	-	-	-	-	-	-	-
PEDESTRIAN WALK	-	7	-	7	-	7	-	7
PED. CLEARANCE	-	44	-	18	-	38	-	18
DETECTOR MEMORY	-	-	-	-	-	-	-	-
DET. CROSS SWITCH	-	-	-	-	-	-	-	-
DUAL ENTRY	-	-	-	-	-	-	-	-
RECALL	-	MIN	-	-	-	MIN	-	-



SIGNAL LOCATION 4
 SR 25 (US 27) AT
 MINUTE MAID RAMP RD. 2 / CITRUS RIDGE DR.
 MP 22.421
 SIGNAL ID: 1490

6/24/2024 1:15:13 PM RD152MM C:\projects\fdot\4492751-5201\Signalization\SPDT5G01.dgn

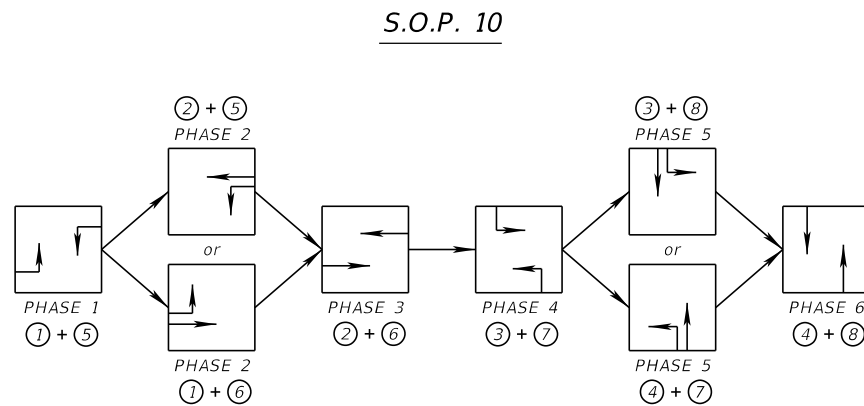
REVISIONS				ENGINEER OF RECORD		STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION	NATHAN J. POOLE LICENSE NUMBER: 79444 VIBE 700 CENTRAL, SUITE 302 ST. PETERSBURG, FL 33701		ROAD NO.	COUNTY	FINANCIAL PROJECT ID	
						SR 25	POLK	449275-1-52-01	SIGNAL TIMING DETAILS
									T-19

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

CONTROLLER OPERATIONS

1. MAJOR STREET IS SR 25 (US 27), (MOVEMENTS 2 AND 6) AND MINOR STREET IS HELLER BROTHERS BLVD. / DEER CREEK BLVD., (MOVEMENTS 4 AND 8).
2. STANDARD SIGNAL OPERATING PLAN NO. 10 WITH THE FOLLOWING:
 - (A) REQUEST UPDATED SIGNAL TIMINGS FROM FDOT TSM&O ENGINEER, NEAL TURNER - ARTERIALS (863-519-2216) WHEN ALL LANES, STRIPING, SIGNALS AND PEDESTRIAN FACILITIES ARE IN THEIR 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 (3) WEEKS FOLLOWING THE REQUEST FOR FDOT TO DEVELOP THE UPDATED TIMINGS. PROGRAM THE CONTROLLER PER THE TIMINGS PROVIDED BY FDOT.
 - (B) CONCURRENT/ACTUATED PEDESTRIANS FOR MOVEMENTS 2 (P2), 4 (P4), 6 (P6), AND 8 (P8).
 - (C) WHEN SIGNAL IS IN FLASHING MODE, MOVEMENTS 2 AND 6 SHALL FLASH YELLOW. ALL OTHER VEHICLES MOVEMENTS SHALL FLASH RED.
 - (D) PROGRAM A START-UP DELAY OF 2 SECONDS FOR THE FLASHING YELLOW ARROW ON MOVEMENTS 1, 3, 5, AND 7.
3. CONTROLLER TIMINGS ARE INITIAL AND MAY REQUIRE FIELD ADJUSTMENTS AS DIRECTED BY THE PROJECT ENGINEER.

CONTROLLER TIMINGS								
MOVEMENT NUMBER	1	2	3	4	5	6	7	8
DIRECTION	NBL	SB	EBL	WB	SBL	NB	WBL	EB
TURN TYPE	P/P	-	P/P	-	P/P	-	P/P	-
MINIMUM GREEN	5	15	5	7	5	15	5	7
EXTENSION	3.0	2.4	3.0	3.0	3.0	2.4	3.0	3.0
YELLOW CLEARANCE	5.5	5.5	3.7	3.7	5.5	5.5	3.7	3.7
ALL RED	5.5	5.5	3.7	3.7	5.5	5.5	3.7	3.7
MAXIMUM GREEN 1	15	40	-	20	15	40	-	20
MAXIMUM GREEN 2	30	120	-	50	30	120	-	50
MAX LIMIT	-	-	-	-	-	-	-	-
ADJUST BY	-	-	-	-	-	-	-	-
PEDESTRIAN WALK	-	7	-	7	-	7	-	7
PED. CLEARANCE	-	42	-	21	-	47	-	32
DETECTOR MEMORY	-	-	-	-	-	-	-	-
DET. CROSS SWITCH	-	-	-	-	-	-	-	-
DUAL ENTRY	-	-	-	-	-	-	-	-
RECALL	-	MIN	-	-	-	MIN	-	-



PROPOSED RADAR DETECTION ASSIGNMENTS				
RADAR DETECTOR	DETECTION ZONE	CHANNEL NO.	CONNECT TO MOVEMENT	DELAY TIME (SEC.)
RD-1	DZ4	1	4	0
	DZ7	2	7	0
	-	3	-	-
	-	4	-	-

DETECTORS FOR LOOPS					
LOOP	NO. OF LOOPS	NO. OF NEW DETS.	CHANNEL NO.	CONNECT TO MOVEMENT	DELAY TIME (SEC.)
L2A	1	0	1	2	0
L2B	1		2	2	0
L2C	1	0	1	2	0
L5	1		2	5	0
L2D	1	1	1	2	0
L2E	1		2	2	0
L2F	1	1	1	2	0
L2G	1		2	2	0
L2H	1	1	1	2	0
L2I	1		2	2	0
L6A	1	0	1	6	0
L6B	1		2	6	0
L6C	1	0	1	6	0
L1	1		2	1	0
L6D	1	1	1	6	0
L6E	1		2	6	0
L6F	1	1	1	6	0
L6G	1		2	6	0
L6H	1	1	1	6	0
L6I	1		2	6	0
L8A	1	1	1	8	0
L8B	1		2	8	0
L8R	1	1	1	8	0
L3	1		2	3	0

SIGNAL LOCATION 5
 SR 25 (US 27) AT
 HELLER BROTHERS BLVD. / DEER CREEK BLVD.
 MP 22.859
 SIGNAL ID: 1491

6/24/2024 1:15:13 PM RD152MM C:\projects\DOT\44927515201\Signalization\SPDT501.dgn

REVISIONS				ENGINEER OF RECORD		STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION	NATHAN J. POOLE LICENSE NUMBER: 79444 VIBE 700 CENTRAL, SUITE 302 ST. PETERSBURG, FL 33701		ROAD NO.	COUNTY	FINANCIAL PROJECT ID	
						SR 25	POLK	449275-1-52-01	SIGNAL TIMING DETAILS
									T-20

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