

CONTRACT PLANS COMPONENT
ROADWAY PLANS
SIGNING AND PAVEMENT MARKING PLANS
SIGNALIZATION PLANS

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

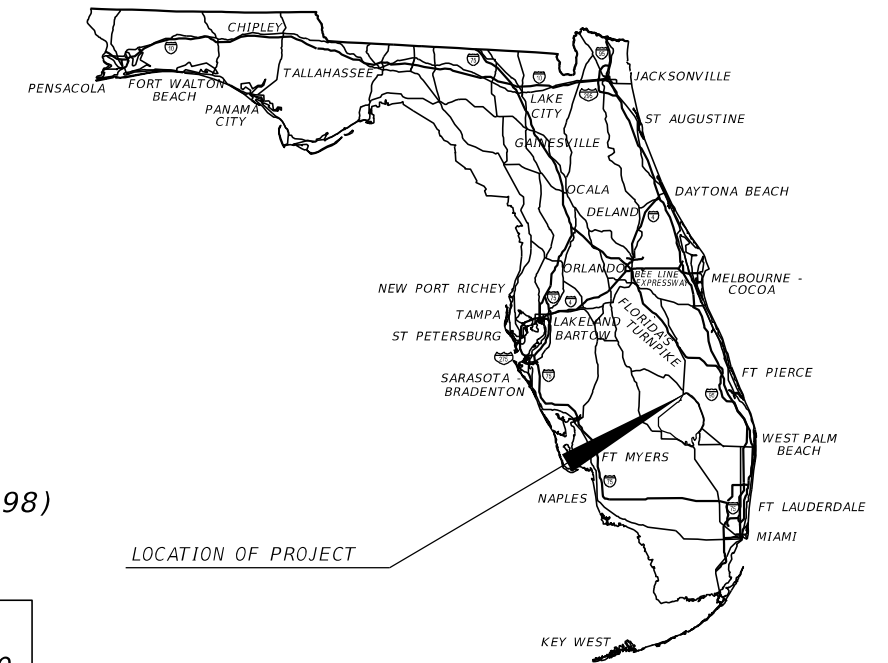
SIGNALIZATION PLANS

FINANCIAL PROJECT ID 448975-1-52-01

OKEECHOBEE COUNTY (91010, 91050)

STATE ROAD NO. SR 78

PAVEMENT ONLY RESURFACE SR 78 FROM BRIDGE #910094 TO SR 15 (US 98)



INDEX OF SIGNALIZATION PLANS

SHEET NO.	SHEET DESCRIPTION
T-1	KEY SHEET
T-2	SIGNATURE SHEET
T-3	GENERAL NOTES
T-4	SIGNALIZATION PLAN

PROJECT LOCATION URL: <https://tinyurl.com/8jukj82k>
 PROJECT LIMITS: SECTION 91010 BEGIN MP 3.069 - END MP 4.730
 SECTION 91050 BEGIN MP 0.000 - END MP 0.030
 EXCEPTIONS: NONE
 BRIDGE LIMITS: BR#910094 MP 3.077 - MP 3.131
 RAIROAD CROSSING: NONE

PHASE IIR REVISED
OCTOBER 20, 2023

SIGNALIZATION PLANS
ENGINEER OF RECORD:

RYAN K. BADERSCHNEIDER, P.E. N.O.: 60851
 COMPREHENSIVE ENGINEERING SERVICES, INC.
 201 S ORANGE AVE, SUITE 1300
 ORLANDO, FL 32801
 (407) 423-1600
 CONTRACT NO.: CA223
 VENDOR NO.: F59347222001

FDOT PROJECT MANAGER:

SCOTT MCCALL

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>

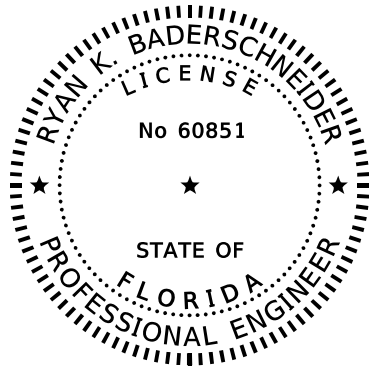
GOVERNING STANDARD SPECIFICATIONS:

Florida Department of Transportation, FY 2023-24 Standard Specifications for Road and Bridge Construction at the following website: <http://www.fdot.gov/programmanagement/Implemented/SpecBooks>

PRELIMINARY
NOT FOR CONSTRUCTION

10/20/2023 2:51:57 PM

CONSTRUCTION CONTRACT NO.	FISCAL YEAR	SHEET NO.
E1W51	25	T-1



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.

COMPREHENSIVE ENGINEERING SERVICES, INC.
201 S. ORANGE AVENUE, SUITE 1300
ORLANDO, FLORIDA 32801
RYAN K. BADERSCHNEIDER, P.E. NO. 60851

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	SIGNALIZATION PLAN

10/20/2023 2:51:58 PM S:Christian
0:\FD07\1900118\44897515201\Signalization\Signalization\SGNSG01.dgn

REVISIONS				ENGINEER OF RECORD	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			SIGNATURE SHEET	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION	RYAN K. BADERSCHNEIDER, P.E. LICENSE NUMBER: 60851 COMPREHENSIVE ENG. SERVICES, INC. 201 S ORANGE AVE, SUITE 1300 ORLANDO, FL 32801-3442	ROAD NO.	COUNTY	FINANCIAL PROJECT ID		T-2
					SR 78	OKEECHOBEE	448975-1-52-01		

SIGNALIZATION NOTES

1. SIGNAL TO BE MAINTAINED BY: OKEECHOBEE COUNTY.
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/LIASON:

HIGHLANDS AND 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

4. WHEN CONSTRUCTION IS COMPLETE, PROVIDE A SET OF "AS BUILT" PLANS IN ELECTRONIC FORM (PDF) TO:

FDOT TRAFFIC OPERATIONS
 RENJAN JOSEPH 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

5. 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.
6. PLACE TYPE "F" LOOPS 2 FEET IN FRONT OF STOP BARS.
7. TYPE "F" LOOPS SHALL BE 6 FEET WIDE BY 50 FEET LONG.

PAY ITEM NOTES

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.

INSTALL LOOP LEAD-IN WIRE IN EXISTING CONDUIT AND LOOP PULL BOX FOR HOME RUN TO CONTROLLER UNLESS NOTED OTHERWISE ON PLAN SHEET.

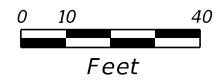
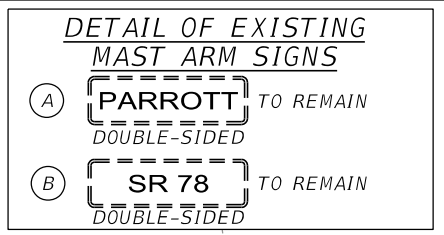
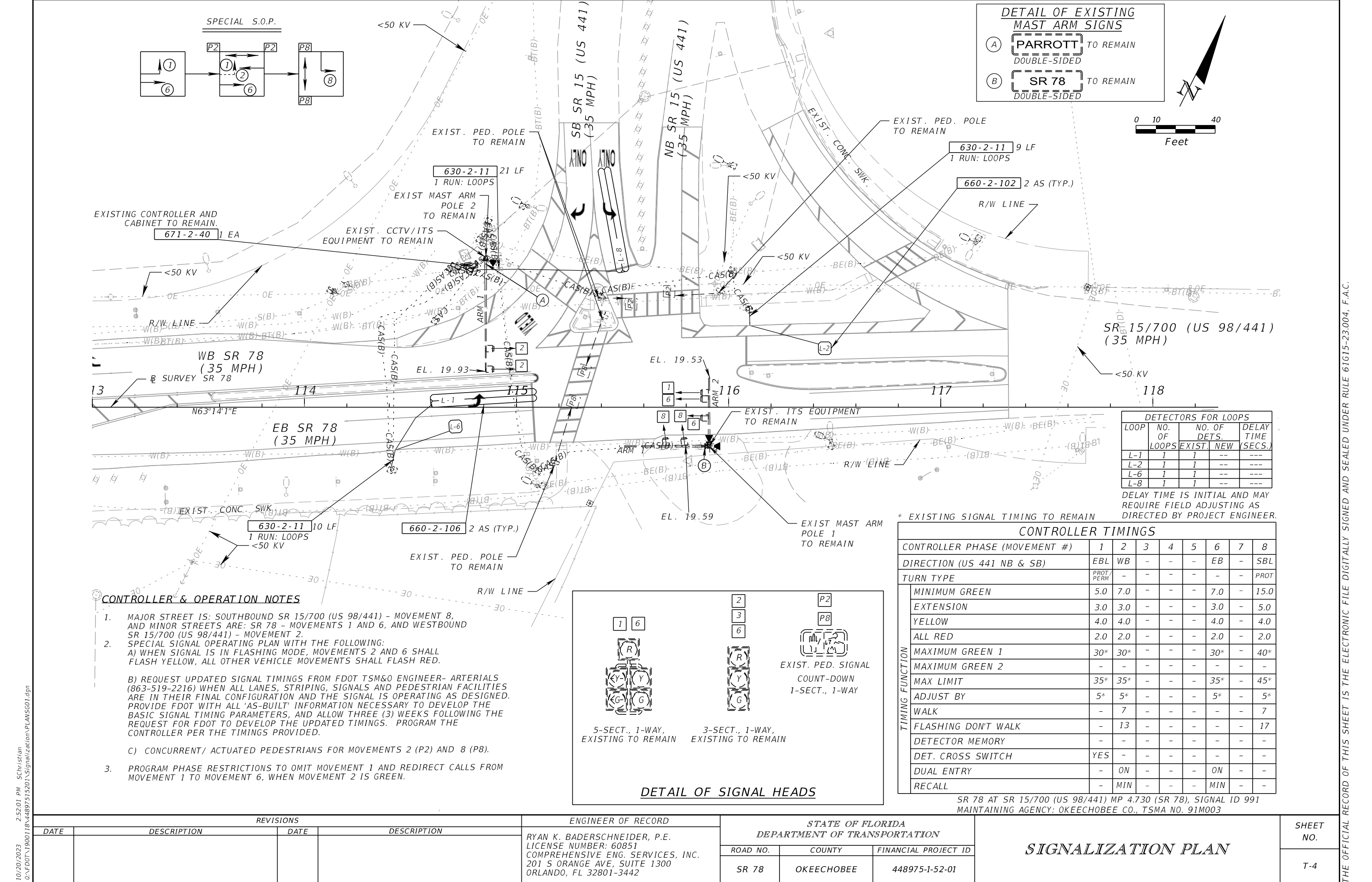
671-2-40:

MODIFY EXISTING CONTROLLER TO PROGRAM TIMINGS.

10/20/2023 2:51:58 PM S:Christian 0:\FDOT\1900118\44897515201\Signalization\GNMT5001.dgn

REVISIONS				ENGINEER OF RECORD	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			GENERAL NOTES	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION	RYAN K. BADERSCHNEIDER, P.E. LICENSE NUMBER: 60851 COMPREHENSIVE ENG. SERVICES, INC. 201 S ORANGE AVE, SUITE 1300 ORLANDO, FL 32801-3442	ROAD NO.	COUNTY	FINANCIAL PROJECT ID		T-3
					SR 78	OKEECHOBEE	448975-1-52-01		

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



DETECTORS FOR LOOPS

LOOP	NO. OF LOOPS	NO. OF DETS.		DELAY TIME (SECS.)
		EXIST.	NEW	
L-1	1	1	--	---
L-2	1	1	--	---
L-6	1	1	--	---
L-8	1	1	--	---

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

* EXISTING SIGNAL TIMING TO REMAIN

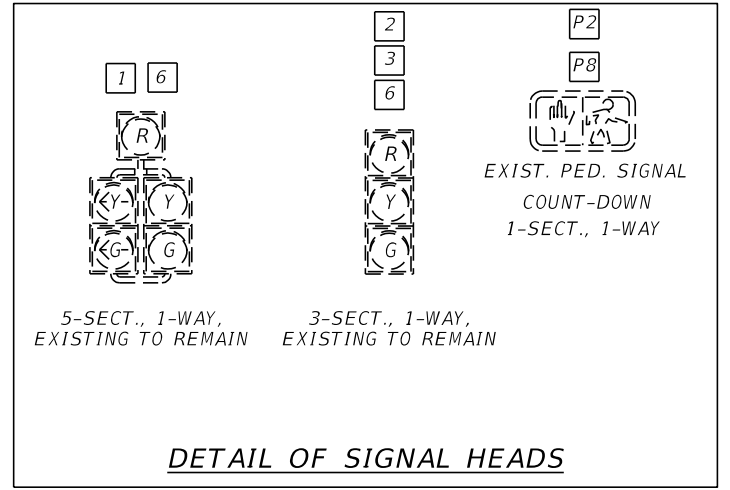
CONTROLLER TIMINGS

CONTROLLER PHASE (MOVEMENT #)	1	2	3	4	5	6	7	8
DIRECTION (US 441 NB & SB)	EBL	WB	-	-	-	EB	-	SBL
TURN TYPE	PROT/PERM	-	-	-	-	-	-	PROT
MINIMUM GREEN	5.0	7.0	-	-	-	7.0	-	15.0
EXTENSION	3.0	3.0	-	-	-	3.0	-	5.0
YELLOW	4.0	4.0	-	-	-	4.0	-	4.0
ALL RED	2.0	2.0	-	-	-	2.0	-	2.0
MAXIMUM GREEN 1	30*	30*	-	-	-	30*	-	40*
MAXIMUM GREEN 2	-	-	-	-	-	-	-	-
MAX LIMIT	35*	35*	-	-	-	35*	-	45*
ADJUST BY	5*	5*	-	-	-	5*	-	5*
WALK	-	7	-	-	-	-	-	7
FLASHING DON'T WALK	-	13	-	-	-	-	-	17
DETECTOR MEMORY	-	-	-	-	-	-	-	-
DET. CROSS SWITCH	YES	-	-	-	-	-	-	-
DUAL ENTRY	-	ON	-	-	-	ON	-	-
RECALL	-	MIN	-	-	-	MIN	-	-

SR 78 AT SR 15/700 (US 98/441) MP 4.730 (SR 78), SIGNAL ID 991
MAINTAINING AGENCY: OKEECHOBEE CO., TSMA NO. 91M003

CONTROLLER & OPERATION NOTES

- MAJOR STREET IS: SOUTHBOUND SR 15/700 (US 98/441) - MOVEMENT 8, AND MINOR STREETS ARE: SR 78 - MOVEMENTS 1 AND 6, AND WESTBOUND SR 15/700 (US 98/441) - MOVEMENT 2.
- SPECIAL SIGNAL OPERATING PLAN WITH THE FOLLOWING:
 - A) WHEN SIGNAL IS IN FLASHING MODE, MOVEMENTS 2 AND 6 SHALL FLASH YELLOW, ALL OTHER VEHICLE MOVEMENTS SHALL FLASH RED.
 - B) REQUEST UPDATED SIGNAL TIMINGS FROM FDOT TSM&O ENGINEER- 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.
 - C) CONCURRENT/ ACTUATED PEDESTRIANS FOR MOVEMENTS 2 (P2) AND 8 (P8).
- PROGRAM PHASE RESTRICTIONS TO OMIT MOVEMENT 1 AND REDIRECT CALLS FROM MOVEMENT 1 TO MOVEMENT 6, WHEN MOVEMENT 2 IS GREEN.



10/20/2023 2:52:01 PM SChristian 0:\FDOT\1900118\44897515201\Signalization\PLAN\sc01.dgn

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

ENGINEER OF RECORD
RYAN K. BADERSCHNEIDER, P.E.
LICENSE NUMBER: 60851
COMPREHENSIVE ENG. SERVICES, INC.
201 S ORANGE AVE, SUITE 1300
ORLANDO, FL 32801-3442

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 78	OKEECHOBEE	448975-1-52-01

SIGNALIZATION PLAN

SHEET NO. T-4

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