

CONTRACT PLANS COMPONENTS

ROADWAY PLANS
SIGNING AND PAVEMENT MARKING PLANS
SIGNALIZATION PLANS
LIGHTING PLANS

A DETAILED INDEX APPEARS ON THE
KEY SHEET OF EACH COMPONENT

INDEX OF SIGNALIZATION PLANS

SHEET NO.	SHEET DESCRIPTION
T-1	KEY SHEET
T-2	GENERAL NOTES
T-3 THRU T-6	SIGNALIZATION PLAN

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

SIGNALIZATION PLANS

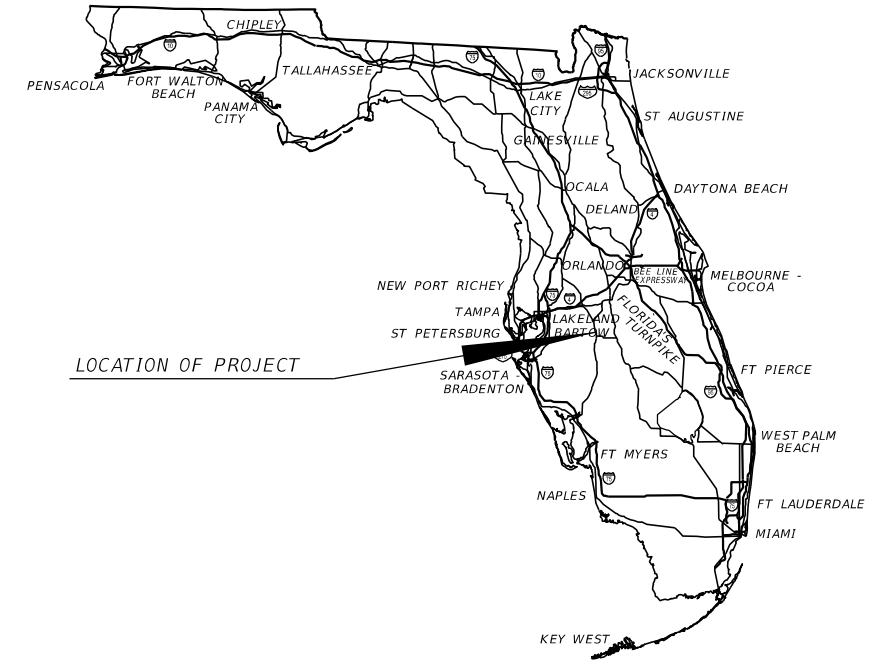
FINANCIAL PROJECT ID 449232-1-52-01

(FEDERAL FUNDS)

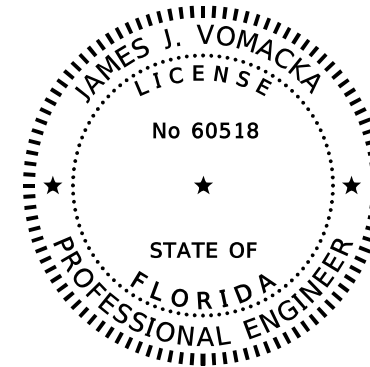
POLK COUNTY (16030)

STATE ROAD NO. 35

FROM 9TH ST NW TO N OF OAK HAMMOCK LOOP



PROJECT LOCATION URL:	https://tinyurl.com/ymrd64fn
PROJECT LIMITS:	BEGIN MP 8.333 - END MP 15.959
EXCEPTIONS:	NONE
BRIDGE LIMITS:	BR#160085 MP 12.311 - MP 12.361 BR#160103 MP 12.333 - MP 12.382 BR#160012 MP 15.647 - MP 15.655
RAILROAD CROSSING:	CSX TRACK NO 626466A, MP SVE 857.11



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.

THE ABOVE NAMED PROFESSIONAL IS
RESPONSIBLE FOR THE FOLLOWING SHEETS
IN ACCORDANCE WITH RULE 61G15-23.004, F.A.C

**SIGNALIZATION PLANS
ENGINEER OF RECORD:**

JAMES J. VOMACKA, P.E.
P.E. LICENSE NUMBER 60518
PROPEL ENGINEERING, INC
2711 N VISTA PARKWAY, SUITE B7
WEST PALM BEACH, FL 33411
(561) 866-5730
CONTRACT NO.: CA154
VENDOR NO.: F463316950

FDOT PROJECT MANAGER:

MARIE CARVAJAL

GOVERNING STANDARD PLANS:

Florida Department of Transportation, FY2024-25 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>

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>

CONSTRUCTION CONTRACT NO.	FISCAL YEAR	SHEET NO.
T1903	25	T-1

GENERAL NOTES:

1. MAINTAINING AGENCY IS POLK COUNTY.
2. PAVEMENT MARKINGS ARE SHOWN FOR REFERENCE PURPOSES ONLY. FOR PAVEMENT MARKING DESIGN INFORMATION, SEE SIGNING AND PAVEMENT MARKING PLANS.
3. AT LEAST TWO (2) FULL BUSINESS DAYS PRIOR TO BEGINNING THE TRAFFIC SIGNAL INSTALLATION, CONTACT THE TRAFFIC SIGNAL INSPECTOR/LIASON:

 TRAFFIC SIGNAL INSPECTOR
 FLORIDA DEPARTMENT OF TRANSPORTATION
 BARTOW, FL 33830
 PH: 863-519-4300
4. WHEN CONSTRUCTION IS COMPLETE, IN ADDITION TO THE REQUIREMENT OF STANDARD SPECIFICATION 9-8, PROVIDE A SET OF "AS-BUILT" PLANS TO:

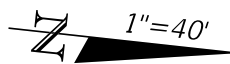
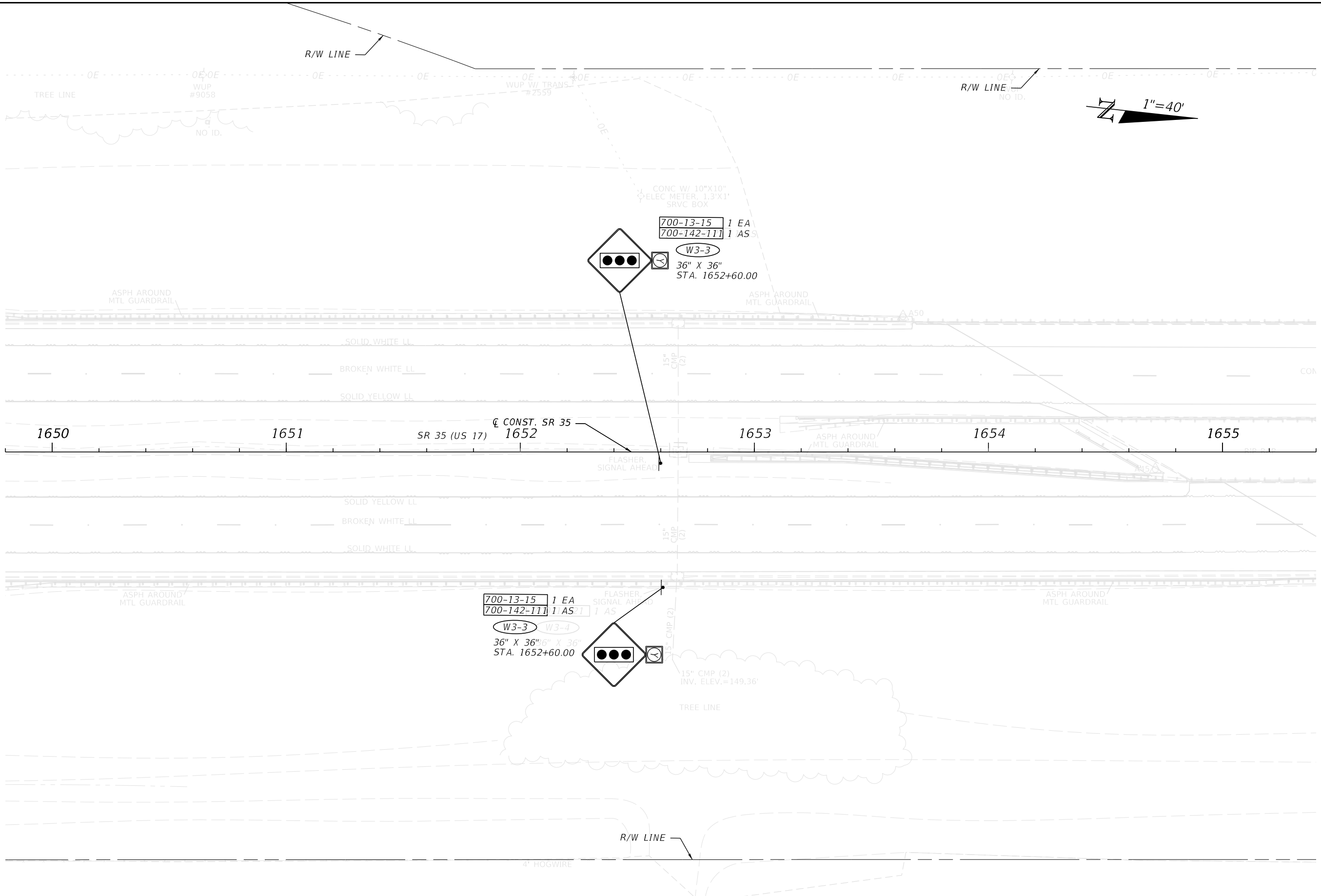
 POLK COUNTY TRAFFIC ENGINEERING
 AMY SHAFFER GREGORY, PE, TRAFFIC ENGINEER
 3000 SHEFFIELD RD
 WINTER HAVEN, FL 33880
5. AT THE COMPLETION OF THE PROJECT, PROVIDE AS-BUILT PLANS IN ELECTRONIC FORM (PDF) TO:

 FDOT TRAFFIC OPERATIONS
 NEAL TURNER, PE, TSM&O ENGINEER
 801 N. BROADWAY AVE, P.O. BOX 1249
 BARTOW, FL 33830-1249
 EMAIL: NEAL.TURNER@DOT.STATE.FL.US
 PH: 863-519-2216
6. 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 SHOW. INTERPOLATIONS BETWEEN POINTS HAVE NOT BEEN VERIFIED.
7. ALL REMOVED EQUIPMENT SHALL BE RETURNED TO POLK COUNTY, CONTACT POLK COUNTY AT 863-535-2305 TO ARRANGE FOR EQUIPMENT DROP OFF. DROP OFF ADDRESS IS:
 3000 SHEFFIELD RD, WINTER HAVEN, FL 33880
8. MAXIMUM DOWN TIME FOR THE CCTV AND CELLULAR MODEM IS 24 HOURS. PROVIDE NOTICE TO D1ITS.ITSTAFF@DOT.STATE.FL.US AT LEAST ONE WEEK IN ADVANCE OF THE PLANNED OUTAGE.
9. SPLICING OF THE CCTV CAMERA CABLING IS NOT PERMITTED.
10. TRAFFIC DATA SECTION MANAGER OF THE TRANSPORTATION DATA AND ANALYTICS OFFICE, OFFICE OF PLANNING:
 VICTOR JOHNSON
 EMAIL: VICTOR.JOHNSON@DOT.STATE.FL.US
 PH: (850) 921-7303

3/26/2024 4:28:46 AM Istiak Ahmed C:\worksets\FDOT\44923215201\Signalization\GMMT5G01.dgn

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REVISIONS				ENGINEER OF RECORD	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			GENERAL NOTES	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION	JAMES J. VOMACKA, P.E. LICENSE NUMBER 60518 PROPEL ENGINEERING, INC. 2711 N VISTA PARKWAY, SUITE B7 WEST PALM BEACH, FL 33411	ROAD NO.	COUNTY	FINANCIAL PROJECT ID		T-2
						SR 35	POLK		



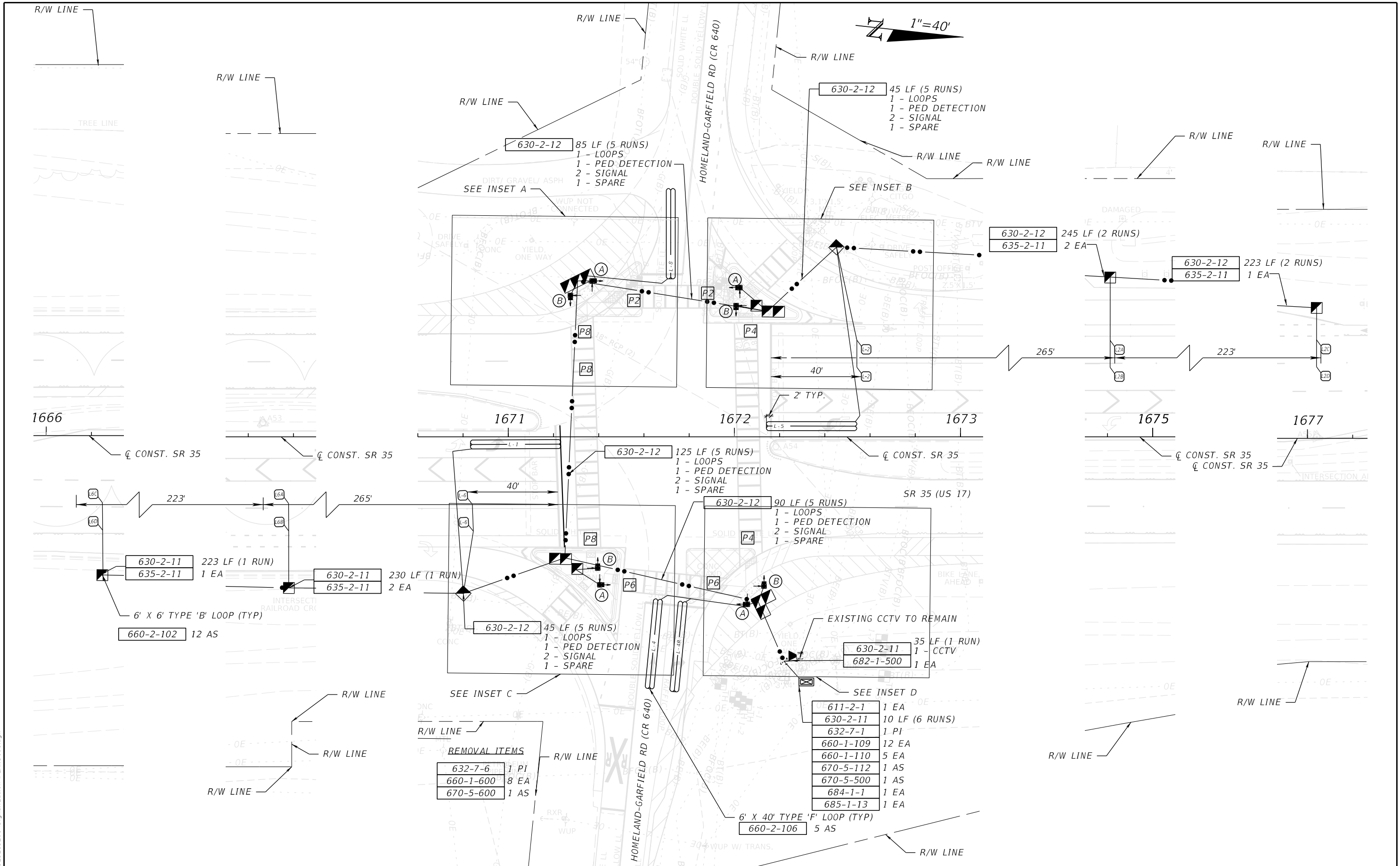
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						SR 35	POLK	449232-1-52-01	T-3

SIGNALIZATION PLAN

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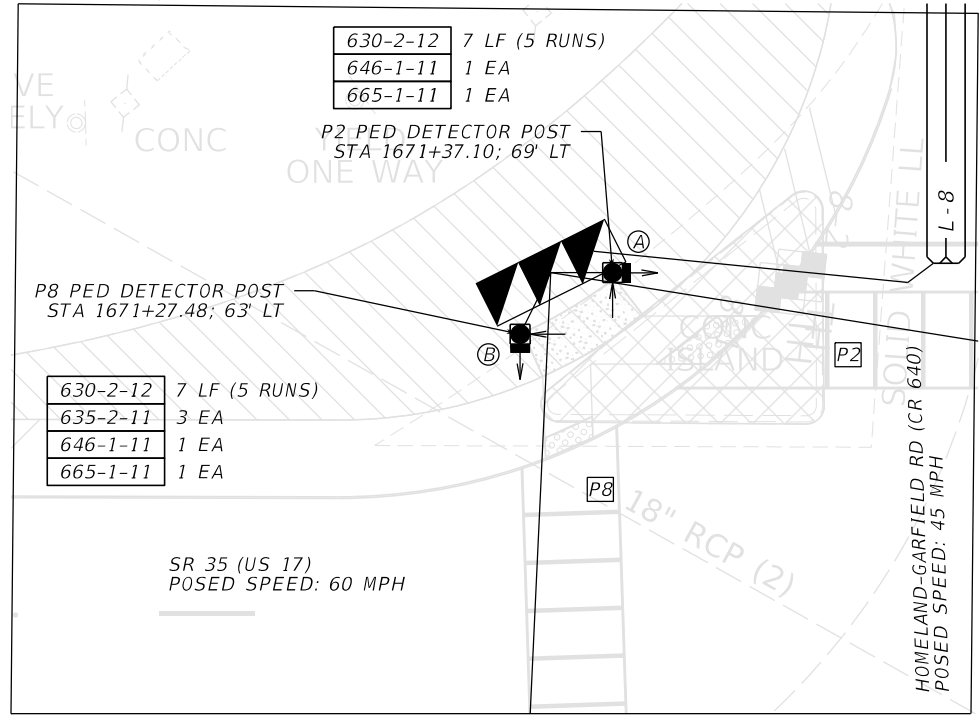
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DATE	DESCRIPTION	DATE	DESCRIPTION			ROAD NO.	COUNTY	FINANCIAL PROJECT ID	
				JAMES J. VOMACKA, P.E. LICENSE NUMBER 60518 PROPEL ENGINEERING, INC. 2711 N VISTA PARKWAY, SUITE B7 WEST PALM BEACH, FL 33411		SR 35	POLK	449232-1-52-01	T-4

SIGNALIZATION PLAN

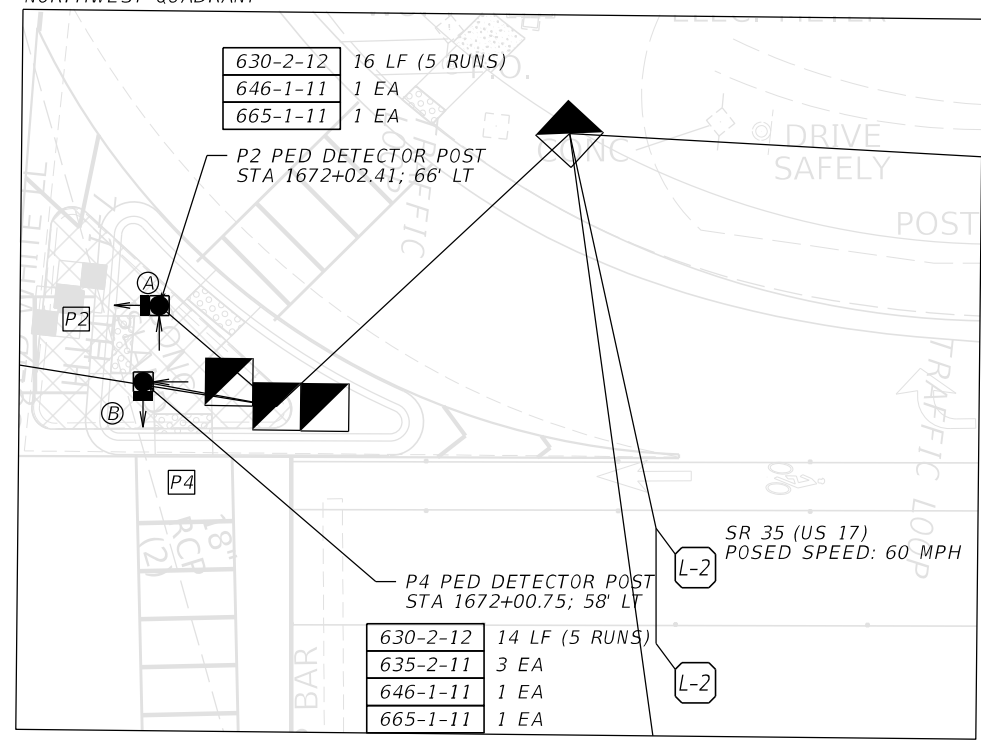
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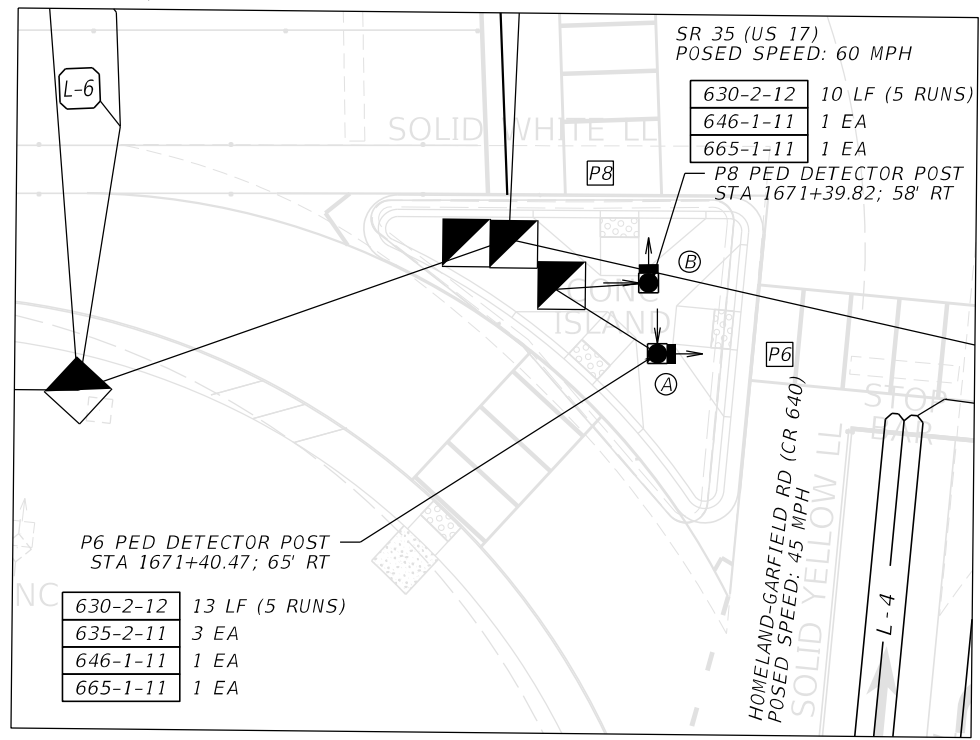
INSET A
SR 35 (US 17) AT CR 640
SOUTHWEST QUADRANT



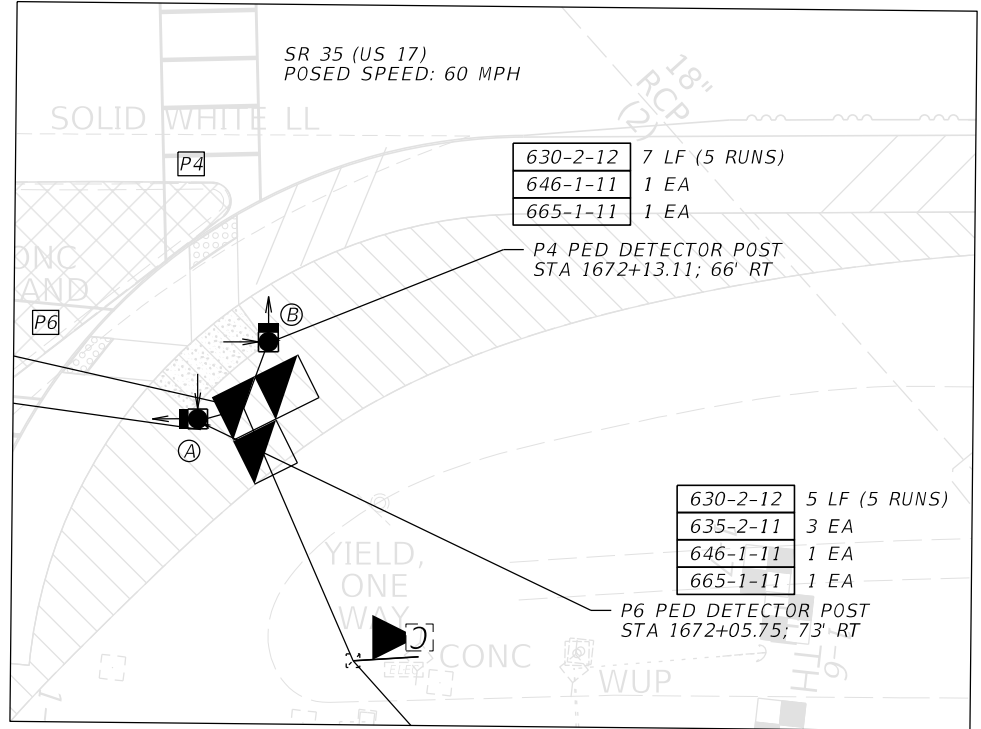
INSET B
SR 35 (US 17) AT CR 640
NORTHWEST QUADRANT



INSET C
SR 35 (US 17) AT CR 640
SOUTHEAST QUADRANT



INSET D
SR 35 (US 17) AT CR 640
NORTHEAST QUADRANT



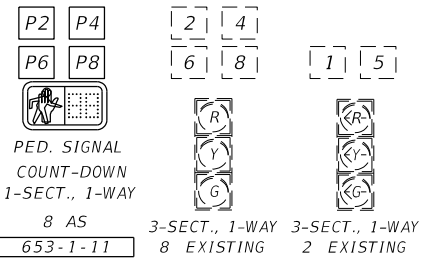
3/26/2024 4:28:57 AM Istiak Ahmed S:\2220010500-US17_SR35_3R\44923215201\signals\PLANS603.dgn

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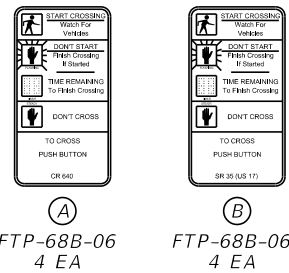
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DATE	DESCRIPTION	DATE	DESCRIPTION			ROAD NO.	COUNTY	FINANCIAL PROJECT ID	
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SIGNALIZATION PLAN

SIGNAL HEAD DETAILS



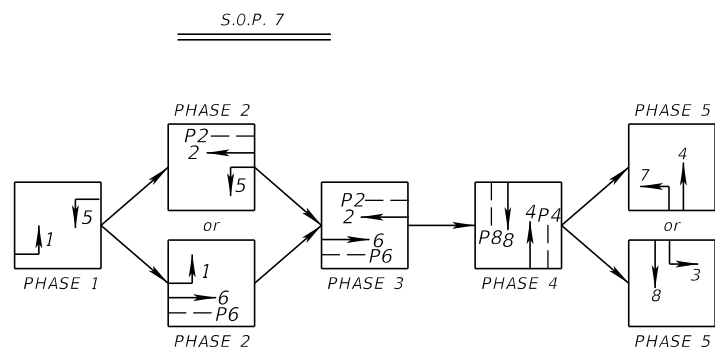
SIGN DETAILS



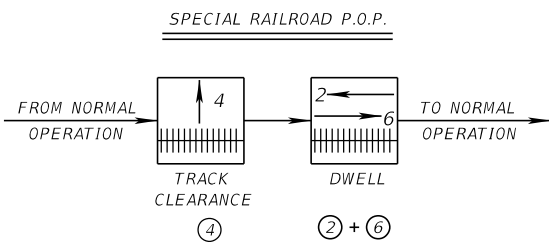
CONTROLLER OPERATION NOTES:

1. THE MAJOR STREET IS SR 35 (US 17) (MOVEMENTS 2 AND 6).
2. THE MINOR STREET IS HOMELAND-GARFIELD RD (CR 640) (MOVEMENTS 4 AND 8).
3. EXISTING SOP IS TO REMAIN.
4. STANDARD SIGNAL OPERATING WITH THE FOLLOWING
(A) RAILROAD PRE-EMPTION
(B) FLASHING OPERATION ALL MOVEMENTS FLASH RED
5. 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 BY FDOT.

CONTROLLER TIMINGS							PRE-EMPTION TIMING		
TIMING FUNCTION	1	2	3		5	6	MIN. GREEN BEFORE PRE-EMP.		
MOVEMENT NO.	1	2	4	8	5	6			
TIMING FUNCTION	MINIMUM GREEN	7	30	10	10	7	30	MIN. GREEN BEFORE PRE-EMP.	0
	EXTENSION	3.0	2.4	3.0	3.0	3.0	2.4	YELLOW CLEAR	*
	MAXIMUM GREEN 1	15	45	20	30	15	45	ALL RED CLEAR	*
	YELLOW CLEARANCE	6.0	6.0	4.5	4.5	6.0	6.0	TRACK CLEAR GREEN	12
	ALL RED	2.0	2.0	2.5	2.5	2.0	2.0	YELLOW CLEAR	*
	PED		22	36	36		22	ALL RED CLEAR	*
	TURN TYPE	PROTECTED				PROTECTED			
	DUAL ENTRY		ON				ON		
	RECALL		MIN				MIN		
									* YELLOW AND ALL RED INTERVALS DURING PREEMPTION SHALL BE THE SAME VALUES USED DURING NORMAL CONTROLLER OPERATIONS.



DETECTORS FOR LOOPS						
LOOP	NO. OF LOOPS	NO. OF NEW DETS.	NO. OF EXIST. DETS.	CHANNEL NO.	CONNECT TO MOVEMENT	DELAY TIME (SEC)
L-1	1	1	1	1	1	
L-2	2	2	2	2	2	
L-2A	1	1	1	1	2	
L-2B	1	1	1	2	2	
L-2C	1	1	1	1	2	
L-2D	1	1	1	2	2	
L-4	1	1	1	1	4	3
L-4R	1	1	1	2	4	8
L-5	1	1	1	1	5	
L-6	2	2	2	2	6	
L-6A	1	1	--	1	6	
L-6B	1	1	--	2	6	
L-6C	1	1	--	1	6	
L-6D	1	1	--	2	6	
L-8	1	1	1	1	8	8



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SIGNALIZATION PLAN

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