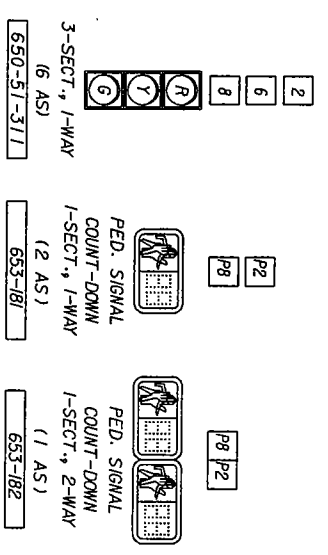


SIGNAL HEAD DETAILS



NOTES:
 1. 2 SQUARE YARDS OF 4" THICK CONCRETE SIDEWALK SHALL BE INSTALLED IN FRONT OF THE SIGNAL POLE, AND FDOT CURB RAMP TYPE OR 13 SHALL BE CONSTRUCTED AT THE CROSSWALK LOCATION.

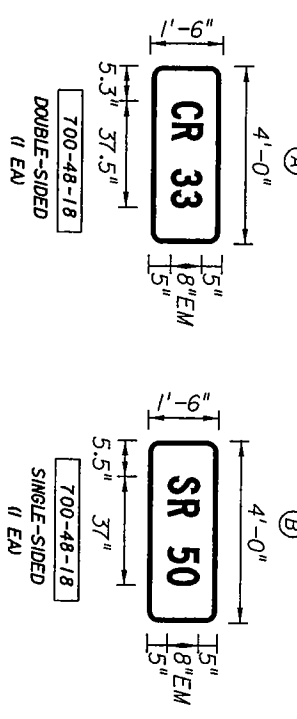
CONTROLLER TIMINGS

TIMING FUNCTION	1	2
MOVEMENT NUMBER	2	6
MINIMUM GREEN	15	15
EXTENSION	3.0	3.0
MAXIMUM GREEN 1	30	30
MAXIMUM GREEN 2	30	30
YELLOW CLEARANCE	4.0	4.0
ALL RED	1.0	1.0
PEDESTRIAN WALK		
PEDESTRIAN WALK		
RECALL	L	L
DET. FUNCTION	L	NL
FLASH	Y	R

STRAIN POLE SCHEDULE

POLE NO.	POLE TYPE	A	B	C	D	E	PAY ITEM
1	N-VI	9.0'	6.5'	10.0'	40.0'	21.0'	64-15-142
2	N-VI	9.0'	6.5'	10.0'	41.3'	22.3'	64-15-142

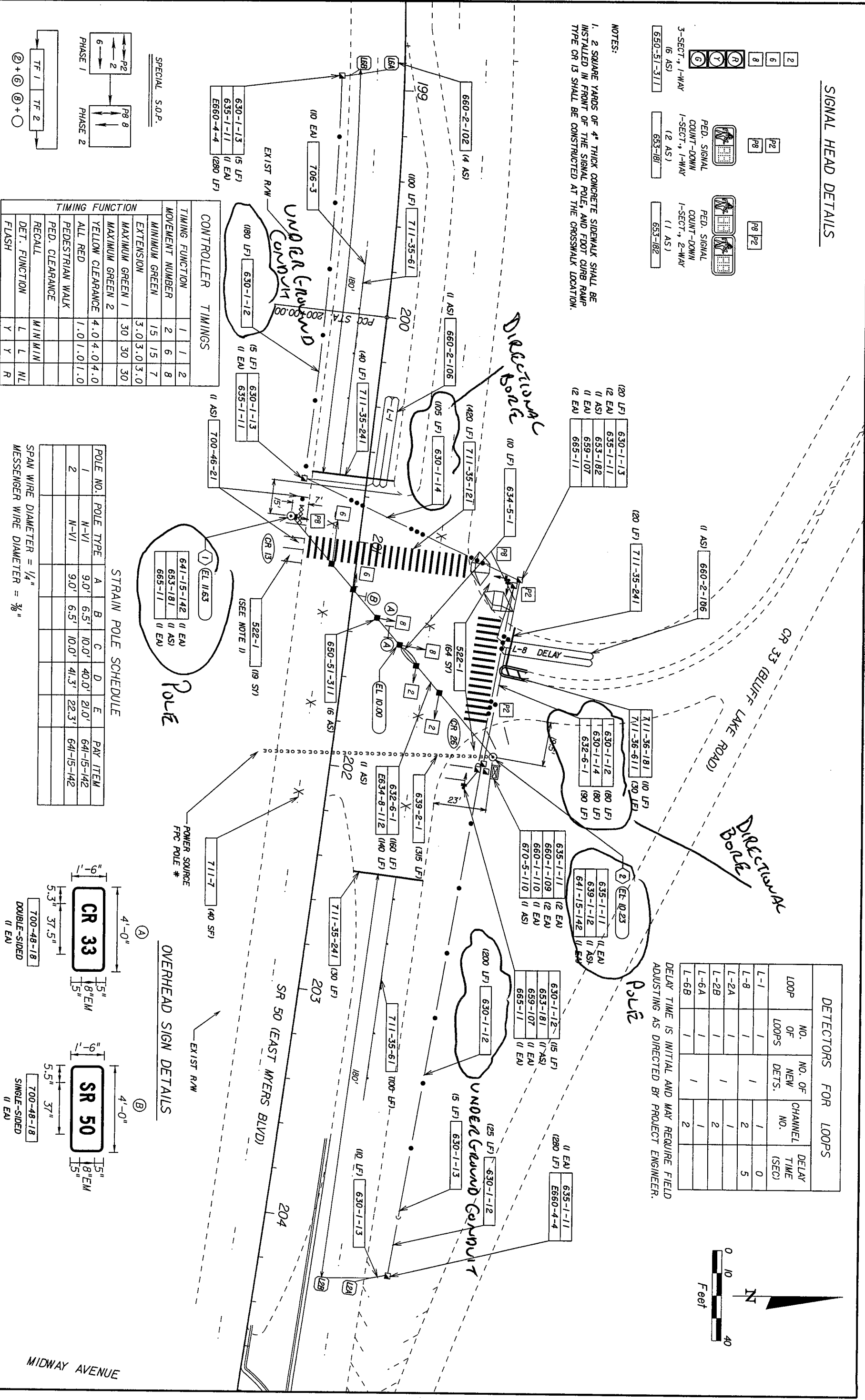
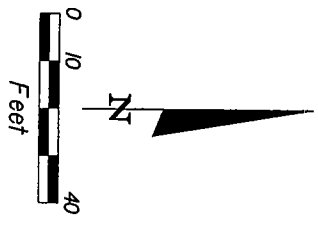
SPAN WIRE DIAMETER = 1/4"
 MESSENGER WIRE DIAMETER = 3/8"



DETECTORS FOR LOOPS

LOOP	NO. OF LOOPS	NO. OF NEW DETS.	CHANNEL NO.	DELAY TIME (SEC)
L-1	1	1	1	0
L-8	1	1	2	5
L-2A	1	1	2	1
L-2B	1	1	2	1
L-6A	1	1	1	1
L-6B	1	1	2	1

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



REVISIONS

DATE	BR	DESCRIPTION	DATE	BR	DESCRIPTION

Engineer of Record: Sean E. Doherty, P.E. # 48100
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 (407) 547-7775
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STATE OF FLORIDA
 DEPARTMENT OF TRANSPORTATION
 ROAD NO. SR 15/600
 COUNTY SEMINOLE
 FINANCIAL PROJECT ID 238002-2-52-34

SR 50 & CR 33 SIGNALIZATION PLAN

SHEET NO. 3

SIGNALIZATION GENERAL NOTES:

1. THE CONTRACTOR SHALL NOTIFY THE APPROPRIATE UTILITY DEPARTMENT AT LEAST 48 HOURS IN ADVANCE OF ANY OPERATION WHERE CONFLICT WITH OVERHEAD OR UNDERGROUND UTILITIES IS EXPECTED.
2. IT SHOULD BE NOTED THAT NO TEST BORINGS WERE MADE WHERE CONDUIT RUNS ARE TO BE INSTALLED BY JACKING, DIRECTIONAL BORING, OR TRENCHING. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO EXAMINE JOB SITE CONDITIONS BEFORE SUBMITTING THE BID PROPOSAL IN ACCORDANCE WITH SECTION 2-4 OF THE STANDARD SPECIFICATIONS.
3. THE CONTRACTOR SHALL VERIFY COLOR CODES FOR SIGNAL CABLE WITH LAKE COUNTY BEFORE ORDERING.
4. THE CONTRACTOR IS REQUIRED TO INSPECT THE INSTALLATION OF THE TRAFFIC SIGNALS IN ACCORDANCE WITH STANDARD SPECIFICATION 105-5.10. THE CONTRACTOR SHALL COORDINATE THE FINAL INSPECTION WITH THE ENGINEER AT LEAST TEN (10) DAYS IN ADVANCE. LAKE COUNTY AND SCOTT SILVA (386-943-5317) SHOULD ALSO BE CONTACTED TEN (10) DAYS BEFORE THE INSPECTION IS TO BE PERFORMED SO THEY MAY BE PRESENT.
5. UNLESS OTHERWISE NOTED, ALL REMOVED EQUIPMENT SHALL BE TURNED OVER TO THE LOCAL MAINTAINING AGENCY AS DIRECTED BY THE ENGINEER, EXCEPT THE CONCRETE SIGNAL POLES, WHICH SHALL BE DISPOSED OF BY THE CONTRACTOR IN AREAS PROVIDED BY THE CONTRACTOR.
6. THE CONTRACTOR SHALL HAND DIG THE FIRST 4 FEET AT EACH SIGNAL POLE FOUNDATION TO VERIFY NO UTILITY CONFLICTS.
7. AT THE TIME OF FINAL INSPECTION OF THE PROJECT THE CONTRACTOR SHALL FURNISH THE MAINTAINING AGENCY, THROUGH THE ENGINEER, TWO COMPLETE SETS OF AS-BUILT PLANS. IN ADDITION, THE CONTRACTOR SHALL FURNISH THE FDOT DISTRICT 5 TRAFFIC OPERATIONS ENGINEER ONE COMPLETE SET OF AS-BUILT PLANS.
8. THERE WILL BE NO LANE CLOSURE RESTRICTIONS ON THE STATE HIGHWAY SYSTEM.
9. THE CONTRACTOR SHALL ADJUST CONDUIT VERTICALLY TO AVOID ANY POSSIBLE CONFLICTS WITH UNDERGROUND UTILITIES.
10. PULL BOXES AND COVERS SHALL BE FDOT APPROVED OF NON-METALLIC CONSTRUCTION WITH RECESSED COVER LOGO "TRAFFIC SIGNAL".
11. ALL CONDUIT IS TO BE 2 INCHES MINIMUM UNLESS OTHERWISE NOTED.
12. THE CONTROLLER ASSEMBLY SHALL CONSIST OF A NEMA T22 CABINET WITH A T22 TYPE 2 CONTROLLER.
13. A MANUAL PUSHBUTTON CORD SHALL BE FURNISHED IN THE CONTROLLER CABINET.
14. THE CONTROLLER CABINET SHALL BE ORIENTED SO THAT THE DOOR OPENS AWAY FROM THE INTERSECTION.

15. IF A CONTINUOUS RUN OF SIGNAL CABLE IS NOT POSSIBLE FROM THE CABINET TO THE SIGNAL HEAD, THEN A TERMINAL BLOCK SHALL BE USED.

16. UTILITY CONTACTS:

UTILITY	OWNER	CONTACT	PHONE NUMBER
WATER/SEWER	CITY OF MASCOTTE		
GAS	CITY OF MASCOTTE		
PHONE	SPRINT	CRAIG HAGER	352-368-8763
	BELLSOUTH	EVERETT SPARKS	352-331-9147
ELECTRIC	PROGRESS ENERGY DISTRIBUTION	CRAIG MERRITT	407-942-9401
CABLE	BRIGHTHOUSE	JOHN WOLSKI	352-748-5603

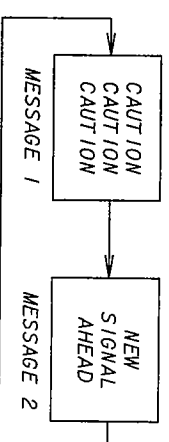
17. THE SIGNAL POWER SOURCE IS POLE * B34193, WHICH IS LOCATED AT THE NORTHWEST CORNER OF THE INTERSECTION.
18. LOOP DETECTOR LEAD-INS, SIGNAL CABLE, AND ELECTRICAL SERVICE WIRE SHALL BE IN SEPARATE CONDUIT AND PULL BOXES.
19. TYPE 'F' LOOPS SHALL BE 6' x 40' AND EXTEND 5' BEYOND THE STOP BAR.
20. EACH TYPE 'B' LOOP SHALL HAVE A SEPARATE DETECTOR CHANNEL.
21. ALL VEHICULAR SIGNAL HEAD ASSEMBLIES SHALL BE BLACK, CAST ALUMINUM WITH TUNNEL VISORS AND LEDS.
22. CONTRACTOR IS NOT TO USE JONES PLUGS.

PAY ITEM NOTES:

1. PAY ITEM 632-6-1 INCLUDES THE ADDITIONAL SLACK CABLE STORED IN THE STRAIN POLE.
2. PAY ITEM 639-1-12 TO INCLUDE ALL FEES BY THE POWER COMPANY FOR ENERGIZING THE POWER SERVICE.

MAINTENANCE OF TRAFFIC NOTES:

1. MAINTENANCE OF TRAFFIC SHALL PER FDOT DESIGN STANDARDS, LATEST EDITION, 600 SERIES.
2. PAY ITEM 102-99 SHALL BE INSTALLED AT THE TIME OF SIGNAL TURN-ON. IT SHALL REMAIN IN PLACE FOR FOURTEEN (14) DAYS AFTER THE SIGNAL HAS BEEN TURNED ON. THE SIGNS SHALL BE INSTALLED AT THE SAME LOCATIONS AS NEW SIGNS W3-3. THE MESSAGES DISPLAYED SHALL BE AS FOLLOWS:



REVISIONS		DATE	BY	DESCRIPTION

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STATE OF FLORIDA	SR 15/600
DEPARTMENT OF TRANSPORTATION	SEMIWOLE
COUNTY	238002-2-52-34
FINANCIAL PROJECT ID	

SHEET NO.	2
SR 50 & CR 33	
SIGNALIZATION NOTES	

LALB