C.P. Godwin 2-18-88

W.P.I. NO.7113808

FISCAL YEAR	SHEET NO.
87	T-1

STATE OF FLORIDA

DEPARTMENT OF TRANSPORTATION

PLANS OF PROPOSED

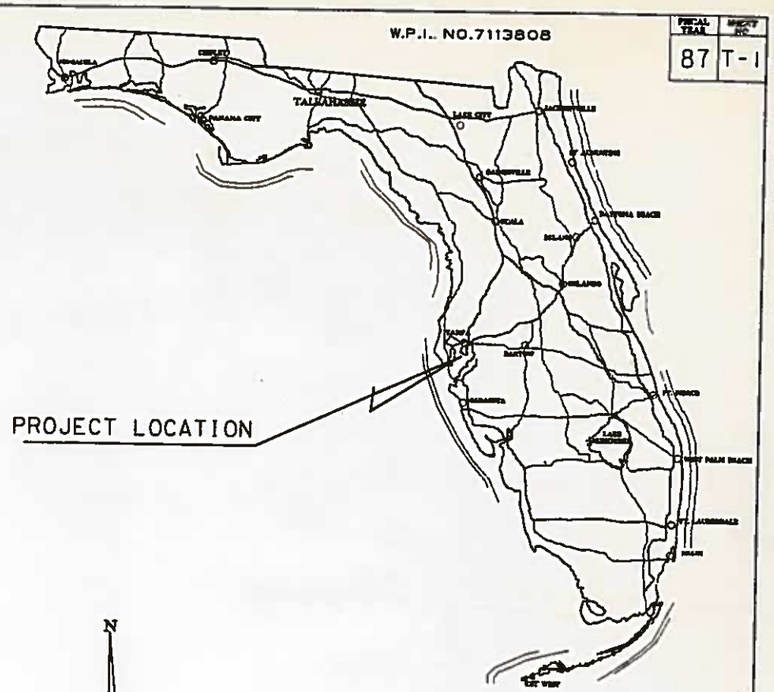
STATE HIGHWAY

STATE PROJECT NO. 10110-3560

HILLSBOROUGH COUNTY

STATE ROAD NO. 60

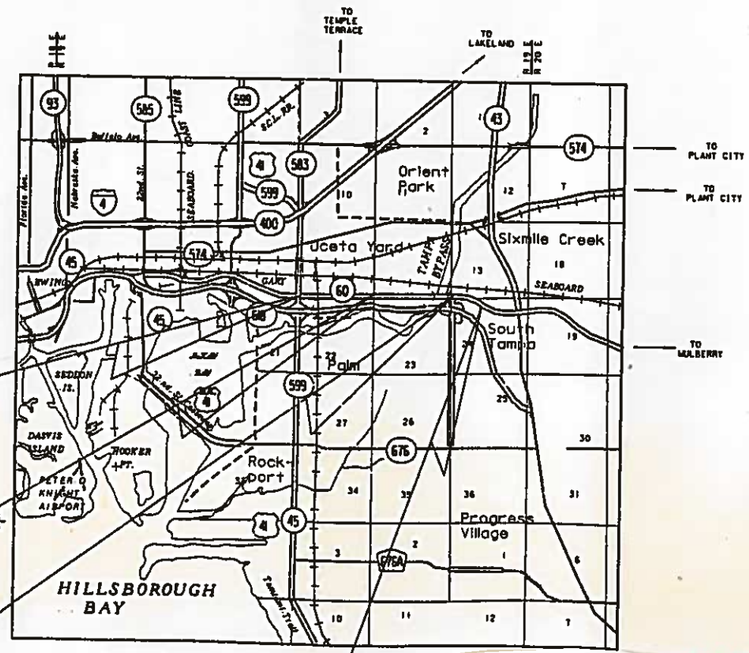
SIGNALIZATION PLANS



INDEX OF SIGNALIZATION PLANS

SHEET NO.	SHEET DESCRIPTION
T-1	KEY SHEET
T-2-3	TABULATION OF QUANTITIES
T-4	GENERAL NOTE SHEET
T-5-8	SIGNALIZATION PLANS
T-9	CONCRETE STRAIN POLE SCHEDULE/ CONVENTIONAL SIGNAL SYMBOLS

S.R. 60 (ADAMO DR.) AT:



LOCATION NO. 1
S.R. 45 (U.S. 41)

LOCATION NO. 2
ORIENT RD.

LOCATION NO. 3
C.R. 573 (78TH ST.)

LOCATION NO. 4
CROSSTOWN EXPRESSWAY RAMP B-1

ROADWAY AND TRAFFIC DESIGN STANDARDS
(BOOKLET DATED JANUARY, 1987)

002
17721
17727
17736
17781
17841
17870
17733

PRELIMINARY
FEB 10 1988
SUBJECT TO CHANGE

ATTENTION IS DIRECTED TO THE FACT THAT THESE PLANS MAY HAVE BEEN REDUCED IN SIZE BY REPRODUCTION. THIS MUST BE CONSIDERED WHEN OBTAINING SCALED DATA.

GOVERNING SPECIFICATIONS: STATE OF FLORIDA, DEPARTMENT OF TRANSPORTATION, STANDARD SPECIFICATIONS, DATED 1986 AND SUPPLEMENTS THERETO IF NOTED IN THE SPECIAL PROVISIONS FOR THIS PROJECT.

SUBMITTED BY: _____
DIRECTOR OF PRECONSTRUCTION AND DESIGN

APPROVED BY: _____
DIVISION ADMINISTRATOR, FEDERAL HIGHWAY ADMINISTRATION

DATE: _____

CREW CHIEF: C. R. BINGHAM

STATE PROJ. NO.
10110-3560

2 — (Y) — 1 SECT., 1 WAY — 650-1-111 2 AS.

8 6 — (R)(Y) — 1 SECT., 2 WAY — 650-1-112 2 AS.

SIGNAL HEADS 2 & 6 TO HAVE BACKPLATES, 4 REQ'D. 659-111

ALL SIGNAL HEADS TO HAVE TUNNEL VISORS, 6 REQ'D. 659-106

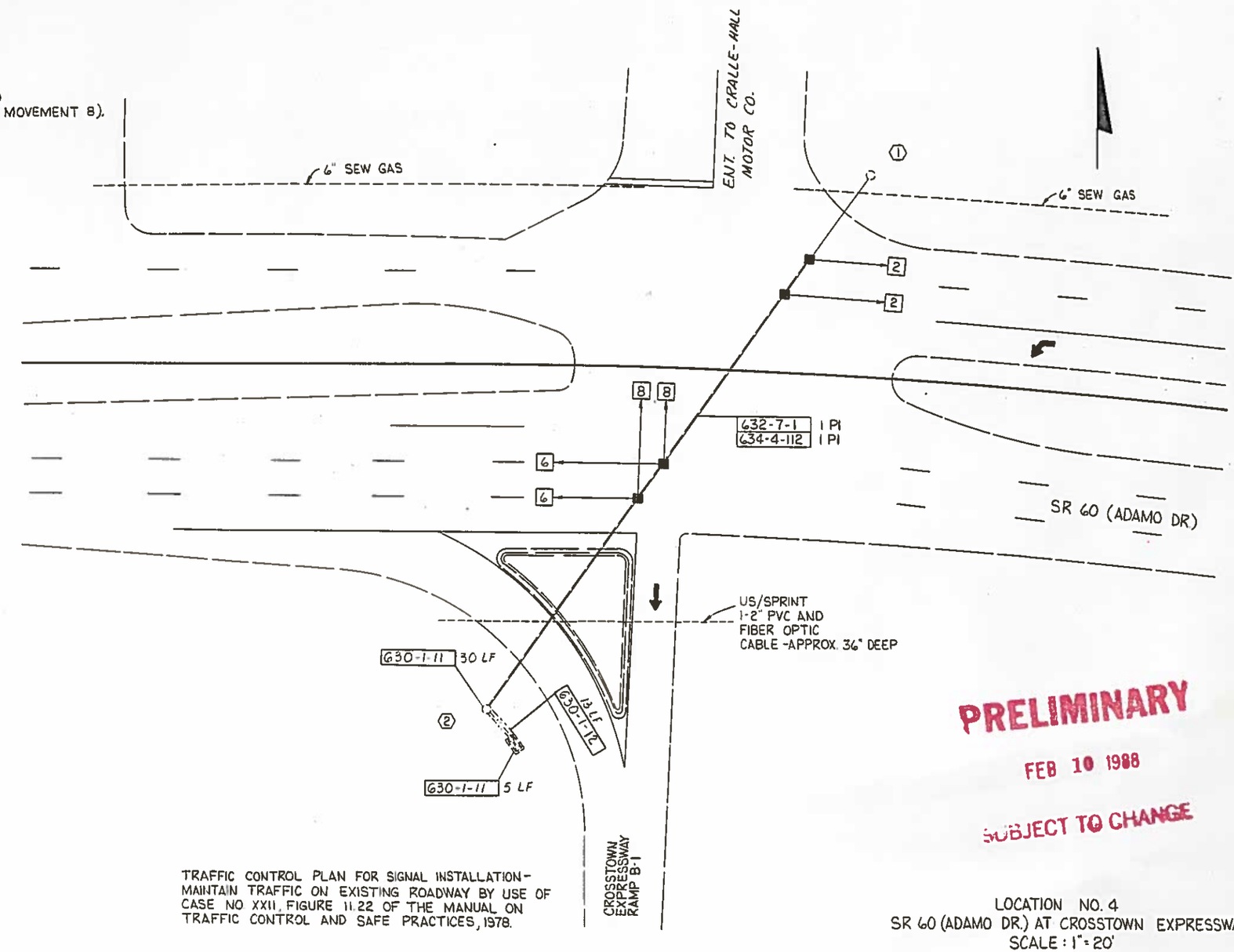
SIGNAL HEAD DETAILS

CONTROLLER OPERATIONS:

1. MAJOR STREET IS S.R. 60 (ADAMO DR.) (TO FLASH YELLOW MOVEMENTS 2 AND 6), AND MINOR STREET IS CROSSTOWN EXPRESSWAY RAMP/ENT. TO MOTOR CO. (TO FLASH RED MOVEMENT 8).
2. EXISTING FLASHING BEACON CONTROLLER ASSEMBLY TO REMAIN.

NOTES:

1. SEE SHEET T-4, GENERAL NOTE SHEET, FOR ALL NOTES PERTAINING TO THIS LOCATION.



TRAFFIC CONTROL PLAN FOR SIGNAL INSTALLATION - MAINTAIN TRAFFIC ON EXISTING ROADWAY BY USE OF CASE NO. XXII, FIGURE 11.22 OF THE MANUAL ON TRAFFIC CONTROL AND SAFE PRACTICES, 1978.

PRELIMINARY

FEB 10 1988

SUBJECT TO CHANGE

LOCATION NO. 4
SR 60 (ADAMO DR.) AT CROSSTOWN EXPRESSWAY RAMP
SCALE: 1" = 20'

DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION
REVISIONS					

NAME	DATE	NAME	DATE

FLORIDA DEPARTMENT OF

STATE PROJ. NO.	SHEET NO.
10110-3560	T-9

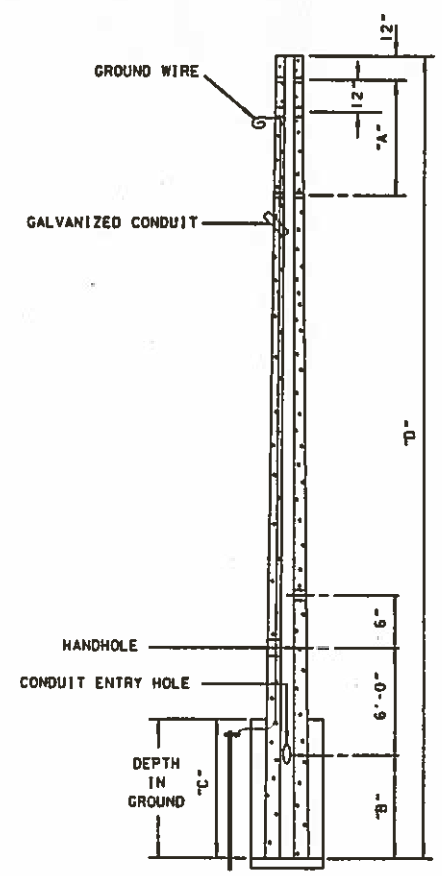
CONVENTIONAL SIGNAL SYMBOLS

EXISTING	PROPOSED	
—— ··· ——	—— - - - ——	INTERCONNECT CABLE (AERIAL)
		LOOP VEHICLE DETECTOR CABINET (POLE MOUNTED)
		AERIAL JUNCTION BOX
		JUNCTION BOX
		PULL BOX
L ___ D	L ___ D	TIME DELAY LOOP
L ___ P	L ___ P	PRESENCE LOOP

POLE SCHEDULE

LOCATION	POLE NO.	TYPE	A		B	C	D				ITEM NO.	QUANTITY
1	1 & 2			EXISTING TO REMAIN							——	——
2	1	VI	17'-6"		5'-8"	8'-2"	52'-0"				641-15-52	1
2	2	VI	17'-6"		6'-10"	9'-4"	52'-0"				641-15-52	1
3	1	VI	10'-4"	EXISTING TO REMAIN							——	——
3	2	VI	14'-9"		7'-0"	9'-6"	50'-0"				641-15-50	1
*4	1 & 2	VII	13'-0"	EXISTING TO REMAIN							——	——

* NOTE: POLES 1 AND 2, LOC. NO. 4, SHALL HAVE NEW HOLES DRILLED FOR NEW SPAN WIRE AT HEIGHTS OF 23'-5" AND 36'-5" (POLE NO. 1) AND 23'-4" AND 36'-4" (POLE NO. 2), TO BE PAID FOR UNDER ITEM NO. 634-4-112.



DETAIL OF PRESTRESSED CONCRETE STRAIN POLES TYPE V, VI, & VII

PRELIMINARY
FEB 10 1988
SUBJECT TO CHANGE

REVISIONS | NAME | DATE | NAME | DATE | FLORIDA DEPARTMENT OF

TABULATION OF QUANTITIES

BID ITEM NO.	DESCRIPTION	UNIT	SHEET NUMBERS																				TOTAL THIS SHEET		GRAND TOTAL		REF. SHEET
			T-5 LOC. 1- SR 45(US 41)		T-6 LOC. 2- ORIENT RD.		T-7 LOC. 3-CR 575 (78TH ST.)		T-8 LOC. 4- CROSSTOWN RAMP B-1		T- LOC. -		T- LOC. -		T- LOC. -		T- LOC. -		T- LOC. -		T- LOC. -						
			ORIG.	FINAL	ORIG.	FINAL	ORIG.	FINAL	ORIG.	FINAL	ORIG.	FINAL	ORIG.	FINAL	ORIG.	FINAL	ORIG.	FINAL	ORIG.	FINAL	ORIG.	FINAL	ORIG.	FINAL	ORIG.	FINAL	
02-1	MAINTENANCE OF TRAFFIC	LS	—		—		—		—														—		—		
02-75	CONSTRUCTION SIGNS (TEMP.-POST MOUNT)	EA	—		—		—		—														—		—		
02-76	FLASHING ARROW BOARD (TEMP.)	EA	—		—		—		—														—		—		
02-77	HIGH INTENSITY FLASHING LIGHTS (TEMP. TYPE B)	EA	—		—		—		—																		
																							270		270		
20-1-1	GROUNDING ELECTRODE	LF	70		110		90		—														125		125		
30-1-11	CONDUIT ABOVEGROUND	LF	60		—		30		35														173		173		
30-1-12	CONDUIT UNDERGROUND	LF	49		60		51		13														12		12		
30-1-13	CONDUIT UNDER PAVEMENT	LF	2		4		6		—														—		—		
30-1-14	CONDUIT UNDERGROUND (JACKED)	LF	—		—		—		—														—		—		
30-1-15	CONDUIT BRIDGE MOUNT	LF	—		—		—		—																		
																							4		4		
32-7-1	SIGNAL CABLE	PI	1		1		1		1														260		260		
32-8-131	INTERCONNECT CABLE AERIAL	LF	260		—		—		—														6		6		
32-8-112	INTERCONNECT CABLE UNDERGROUND	LF	6		—		—		—																		
																							4		4		
34-4-112	SPAN WIRE ASSEMBLY	PI	1		1		1		1														—		—		
34-4-113	SPAN WIRE ASSEMBLY	PI	—		—		—		—														—		—		
34-4-114	SPAN WIRE ASSEMBLY	PI	—		—		—		—																		
																							16		16		
34-5-1	FIBERGLASS INSULATOR	LF	—		6		10		—														14		14		
35-1-11	PULL AND JUNCTION BOXES	EA	6		4		4		—																		
																							3		3		
39-1-12	ELECTRICAL POWER SERVICE OVERHEAD	AS	1		1		1		—														—		—		
39-1-22	ELECTRICAL POWER SERVICE UNDERGROUND	AS	—		—		—		—														20		20		
39-2-1	ELECTRICAL SERVICE WIRE (MINIMUM 3 WIRES)	LF	6		7		7		—														—		—		
41-1	GUYING CONCRETE STRAIN POLES	EA	—		—		—		—														1		1		
41-15-50	CONCRETE STRAIN POLES (TYPE VI)	EA	—		—		1		—														2		2		
41-15-52	CONCRETE STRAIN POLES (TYPE VI)	EA	—		2		—		—														—		—		
41-	CONCRETE STRAIN POLES (TYPE)	EA	—		—		—		—														—		—		
41-	CONCRETE STRAIN POLES (TYPE)	EA	—		—		—		—														2		2		
50-1-111	TRAFFIC SIGNAL, 12" STANDARD (1-SECT.,1-WAY)	AS	—		—		—		2														21		21		
50-1-131	TRAFFIC SIGNAL, 12" STANDARD (3-SECT,1-WAY)	AS	7		6		8		—														4		4		
50-1-132	TRAFFIC SIGNAL, 12" STANDARD (3-SECT,2-WAY)	AS	3		1		—		—														2		2		
50-1-112	TRAFFIC SIGNAL, 12" STANDARD (1-SECT,2-WAY)	AS	—		—		—		2														—		—		
50-9-151	TRAFFIC SIGNAL, 12" STANDARD (5-SECT.CLUSTER)	AS	—		—		—		—																		

E: THIS SHEET IS FOR INFORMATION ONLY. FOR PAY ITEM QUANTITIES, SEE SUMMARY OF PAY ITEMS SHEETS.
1. SEE SHEET T-4, GENERAL NOTE SHEET, FOR ALL NOTES PERTAINING TO ITEM NUMBERS.

PRELIMINARY

FEB 10 1988

REVISIONS

DESCRIPTION	DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

	NAME	DATE		NAME	DATE
DESIGNED BY	C.S.	1-88	DRAWN BY	C.S.	1-88
CHECKED BY	C.R.B.	1-88	CHECKED BY	B.C.M.	1-88

SUPERVISED BY: C.K.M. 1-88

FLORIDA DEPARTMENT OF TRANSPORTATION
APPROVED BY:
DATE:

SUBJECT TO CHANGE

TABULATION OF QUANTITIES

ITEM NO.	DESCRIPTION	UNIT	SHEET NUMBERS T-5 LOC. 1- SR 45(US 41) ORIG.	T-5 FINAL	T-6 LOC. 2- ORIENT RD. ORIG.	T-6 FINAL	T-7 LOC. 3-CR 573 (78TH ST.) ORIG.	T-7 FINAL	T-8 LOC. 4- CROSSTOWN RAMP B-1 ORIG.	T-8 FINAL	T- LOC. - ORIG.	T- FINAL	T- LOC. - ORIG.	T- FINAL	T- LOC. - ORIG.	T- FINAL	T- LOC. - ORIG.	T- FINAL	T- LOC. - ORIG.	T- FINAL	TOTAL THIS SHEET ORIG.	TOTAL THIS SHEET FINAL	GRAND TOTAL ORIG.	GRAND TOTAL FINAL	REF. SHEET
3-111	PEDESTRIAN SIGNALS (12" INCANDESCENT) 1-WAY	AS	—		—		—		—												—		—		
3-112	PEDESTRIAN SIGNALS (12" INCANDESCENT) 2-WAY	AS	—		—		—		—												14		14		
9-101	SIGNAL HEAD AUXILIARIES (BACK PLATES, 3-SECTION)	EA	6		4		4		—												93		93		
9-106	SIGNAL HEAD AUXILIARIES (TUNNEL VISOR)	EA	39		24		24		6												4		4		
9-111	SIGNAL HEAD AUXILIARIES (BACK PLATES, 1-SECTION)	EA	—		—		—		4												—		—		
9-	SIGNAL HEAD AUXILIARIES	EA	—		—		—		—												25		25		
0-1-103	INDUCTIVE LOOP DETECTOR (TYPE 3)	EA	13		6		6		—												—		—		
0-1-104	INDUCTIVE LOOP DETECTOR (TYPE 4)	EA	—		—		—		—												—		—		
0-2-101	LOOP ASSEMBLY (TYPE A)	AS	—		—		—		—												22		22		
0-2-102	LOOP ASSEMBLY (TYPE B)	AS	14		4		4		—												13		13		
0-2-106	LOOP ASSEMBLY (TYPE F)	AS	5		4		4		—												—		—		
5-11	PEDESTRIAN DETECTOR, POLE OR CABINET MOUNT	EA	—		—		—		—												—		—		
5-13	PEDESTRIAN DETECTOR, DETECTOR WITH SIGN ONLY	EA	—		—		—		—																
																					1		1		
-133-051	CONTROLLER, SOLID STATE (ACTUATED)	AS	1		—		—		—												2		2		
-112-051	CONTROLLER, SOLID STATE (ACTUATED)	AS	—		1		1		—												—		—		
0-1	CONTROLLER, SOLID STATE (ACTUATED)	AS	—		—		—		—																
																					—		—		
1-1	CONTROLLER, SOLID STATE (ACTUATED) - MODIFY	EA	—		—		—		—												1		1		
9-1-151	COORDINATION UNIT	EA	1		—		—		—												1		1		
5-320	SYSTEM AUXILIARIES (TELEMENTRY TRANSCEIVER)	EA	1		—		—		—												1		1		
5-323	SYSTEM AUXILIARIES (3-PHASE THRU 8-PHASE FULL ACTUATED ADAPTER)	EA	1		—		—		—												1		1		
5-325	SYSTEM AUXILIARIES (STANDBY SYSTEM RELAY)	EA	1		—		—		—												1		1		
5-328	SYSTEM AUXILIARIES (INTERFACE PANEL)	EA	1		—		—		—												26		26		
0-10	REMOVE TRAFFIC SIGNAL HEAD ASSEMBLY	EA	9		6		6		5												—		—		
0-20	REMOVE PEDESTRIAN SIGNAL ASSEMBLY	EA	—		—		—		—												3		3		
0-30	REMOVE POLES	EA	—		2		1		—												—		—		
0-31	REMOVE SIGNAL PEDESTAL	EA	—		—		—		—												—		—		
0-40	REMOVE MAST ARM ASSEMBLY	EA	—		—		—		—												3		3		
0-50	REMOVE CONTROLLER ASSEMBLY	EA	1		1		1		—												—		—		
0-60	REMOVE VEHICLE DETECTOR ASSEMBLY	EA	—		—		—		—												—		—		
0-70	REMOVE PEDESTRIAN DETECTOR ASSEMBLY	EA	—		—		—		—												4		4		
0-80	REMOVE SPAN WIRE ASSEMBLY	EA	1		1		1		1												4		4		
0-90	REMOVE CABLING AND CONDUIT	PI	1		1		1		1												4		4		
0-100	REMOVE MISCELLANEOUS SIGNAL EQUIPMENT	PI	1		1		1		1																
																					—		—		
0-84-1	SIGN PANEL INSTALLATION (EMERGENCY SIGNAL)	EA	—		—		—		—												—		—		
0-90-1	FLASHING BEACON SIGN	EA	—		—		—		—																

: THIS SHEET IS FOR INFORMATION ONLY. FOR PAY ITEM QUANTITIES, SEE SUMMARY OF PAY ITEMS SHEETS.
1. SEE SHEET T-4, GENERAL NOTE SHEET, FOR ALL NOTES PERTAINING TO ITEM NUMBERS.

PRELIMINARY

FEB 10 1988

SUBJECT TO CHANGE

REVISIONS

DESCRIPTION	DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

	NAME	DATE		NAME	DATE
DESIGNED BY	C.S.	1-88	DRAWN BY	C.S.	1-88
CHECKED BY	C.R.B.	1-88	CHECKED BY	B.C.M.	1-88
SUPERVISED BY : C.K.M. 1-88					

FLORIDA DEPARTMENT OF TRANSPORTATION

APPROVED BY :

DATE :

STATE PROJ. NO.	SHEET NO.
10110-3560	T-4

0. 630-1-AB: IN LIEU OF THE INSTALLATION OF NEW CONDUIT, EXISTING CONDUIT (IF NOT DAMAGED) MAY BE RE-USED, AS DIRECTED BY THE PROJECT ENGINEER.

0. 630-1-11: ABOVE-GROUND CONDUIT SHALL BE USED FOR VERTICAL RUNS ON EXISTING POLES AND EXISTING CONTROLLER, AS SHOWN IN PLANS, WHEN SIGNAL CABLE AND/OR OTHER CABLES CANNOT BE RE-INSTALLED IN EXISTING POLES, OR IN EXISTING CONDUIT IN CONTROLLER BASE.

0. 630-1-12: PAYMENT SHALL INCLUDE THE COST OF TRENCHING AND ALL CONDUIT IN TRENCH.

0. 632-7-1: THIS ITEM SHALL INCLUDE ALL LABOR AND WIRE NECESSARY FOR COMPLETE REWIRING OF INTERSECTION.

0. 634-4-ABC: THIS ITEM SHALL INCLUDE THE COST OF DRILLING NEW HOLES IN EXISTING POLE NO. 1 & 2 ,LOCATION NO. 4,AT HEIGHTS OF 23'-5" AND 36'-6" (POLE NO. 1) AND 23'-4" AND 36'-3" (POLE NO. 2).

0. 639-1-AB: THIS ITEM SHALL INCLUDE THE COST OF ALL SPECIAL IMPACT CONNECTION FEES CHARGED BY LOCAL POWER COMPANIES FOR ELECTRICAL SERVICE CONNECTION.

OS. 650-1-ABC AND 650-9-A51: THE ELECTRICAL CONNECTORS IN THE DISCONNECT HOUSING SHALL BE CAPABLE OF CONNECTING WITH CINCH JONES CONNECTORS WITHOUT THE USE OF SPECIAL ADAPTORS.

8. ITEM NOS. 650-1-ABC AND 650-9-A51: ALL SIGNAL HEADS SHALL HAVE GLASS LENSES.

9. ITEM NOS. 650-1-ABC, 650-9-A51, AND 659-103: THE INSIDE DIMENSIONS OF ALL DISCONNECT HOUSINGS SHALL BE 12 INCHES LONG, 6 INCHES HIGH AND 4 3/4 INCHES DEEP.

10. ITEM NO. 670-1AB-CDE: THIS ITEM SHALL INCLUDE ADDITIONAL COST OF CONCRETE, LABOR, AND OTHER MATERIALS FOR CONTROLLER BASE, PAD, AND STEPS AS REQUIRED.

11. ITEM NO. 670-1AB-CDE: THIS ITEM TO INCLUDE TYPE V CONTROLLER CABINET.

12. ITEM NO. 670-1AB-CDE: THIS ITEM TO INCLUDE A MANUAL PUSHBUTTON WITH CORD AS SPECIFIED IN THE 1986 STANDARD SPECIFICATIONS (TRAFFIC SIGNALS), SECT. A 676-3.3(C), POLICE SWITCHES (LOC. 1,2, AND 3).

13. ITEM NO. 670-1AB-CDE: COORDINATION UNITS SHALL HAVE CAPABILITIES OF GENERATING SEPERATE FORCEOFFS AND PERMISSIVE PERIODS FOR MOVEMENTS 1,3,4,5,7 AND 8.

14. ITEM NO. 690-30: SIGNAL POLES TO BE REMOVED SHALL BE DISPOSED OF BY THE CONTRACTOR IN AN AREA PROVIDED BY THEM.

15. BASE OF CONTROLLER TO BE SAME ELEVATION AS CENTER OF ROADWAY OR GREATER.

16. TIMINGS ARE INITIAL AND MAY REQUIRE FIELD ADJUSTING.

17. EXISTING EQUIPMENT OWNERS: D.O.T.

18. SIGNAL TO BE MAINTAINED BY: CITY OF TAMPA (LOC. 1 AND 2); HILLSBOROUGH COUNTY (LOC. 3 & 4).

19. POLE ELEVATIONS ARE BASED ON AN ASSUMED HEIGHT OF INSTRUMENT ELEVATION OF 100.00.

20. FOR PAVEMENT MARKINGS, SEE PAVEMENT MARKING PLANS.

21. TRAFFIC CONTROL PLAN FOR SIGNAL INSTALLATION FOR MULTI-LANED HIGHWAYS: MAINTAIN TRAFFIC ON EXISTING ROADWAY BY USE OF CASE NO. XXII, FIGURE 11.22 OF THE MANUAL ON TRAFFIC CONTROL AND SAFE PRACTICES, 1978.

22. SECT. 611-4, FIELD TESTS:

PRIOR TO THE 48 HOUR TEST (CONDITIONAL ACCEPTANCE TEST) ALL EQUIPMENT SHALL BE INSTALLED AND OPERABLE. RESULTS OF FIELD TESTS, I.E., SECT. 611-4.1, 4.2. 4.3, AND 4.4, SHALL BE MADE AVAILABLE TO THE PROJECT ENGINEER IN WRITTEN FORM. A QUALIFIED REPRESENTATIVE SHALL BE PRESENT AT THE CONDITIONAL ACCEPTANCE INSPECTION OF THE CONTROLLER ASSEMBLY. THE QUALIFICATIONS OF THE REPRESENTATIVE SHALL INCLUDE:

(A) COMPLETE FAMILIARITY WITH ALL SYSTEM ELEMENTS INCLUDING CONTROLLERS, COORDINATING UNITS, SYSTEM CLOCKS AND SYSTEM COMMUNICATIONS ELEMENTS. THE REPRESENTATIVE SHALL BE QUALIFIED TO INPUT AND RECALL ALL CONTROLLER AND SYSTEM TIMING FUNCTIONS.

23. DURING TRAFFIC SIGNAL FLASHING OPERATION, THE RED ARROW INDICATION OF ALL 3-SECTION LEFT-TURN HEADS SHALL BE THE FLASHING INDICATION DISPLAYED.

24. THE INSTALLATION OF CONDUIT AND PULL BOXES FOR LOOPS ARE TO BE COORDINATED WITH UTILITY COMPANIES AS DIRECTED BY THE PROJECT ENGINEER.

25. ITEM NO. 632-8-231 TO INCLUDE ALL LABOR, LOCKING CABLE TIES OR LASHING WIRES NECESSARY TO ATTACH COMPUTER INTERCONNECT CABLE TO SPAN WIRE AND EXISTING AERIAL JUNCTION BOX. (LOCATION NO. 3)

26. INSURANCE AS REFERENCED IN SECTION 7-13.3 IN THE F.D.O.T. STANDARD SPECIFICATIONS FOR ROADWAY AND BRIDGE CONSTRUCTION (1986) SHALL BE PROVIDED BY THE CONTRACTOR WHEN WORKING ON, OR INSTALLING JOINT-USE POLES, AND/OR INSTALLING SPAN WIRE ASSEMBLY OR POLES WITHIN SIX FEET OF ALL POWER.

27. ITEM NO. 670-133-051 TO INCLUDE ALL LABOR FOR ENTERING NEW TIMING IN EXISTING CONTROLLER (SEE PLANS FOR NEW TIMING).

28. ITEM NO. 679-1-151 TIME BASE COORDINATION UNIT IS TO BE COMPATIBLE WITH EXISTING (TRANSYT 1880) CONTROLLER.

PRELIMINARY

FEB 10 1988

SUBJECT TO CHANGE

REVISIONS																	
DESCRIPTION	DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION								

	NAME	DATE		NAME	DATE
DESIGNED BY	C.S.	1-88	DRAWN BY	C.S.	1-88
CHECKED BY	C.R.B.	1-88	CHECKED BY	M.L.M.	1-88

SUPERVISED BY: C.K.M. 1-88

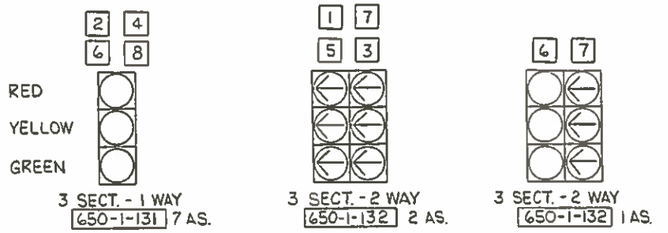
FLORIDA DEPARTMENT OF TRANSPORTATION

APPROVED BY:

DATE:

GENERAL NOTE SHEET

STATE PROJ. NO.	SHEET NO.
10110 - 3560	T-5



SIGNAL HEAD DETAILS

CONTROLLER OPERATIONS:

1. MAJOR STREET IS S.R. 45 (U.S. 41) PHASE 3 (MOVEMENTS 2 AND 6) AND MINOR STREET IS S.R. 60 (ADAMO DR.) PHASE 6 (MOVEMENTS 4 AND 8).
2. STANDARD SIGNAL OPERATING PLAN NO. 10 (EXISTING) WITH THE FOLLOWING:
   A. EXISTING COMPUTER EQUIPMENT
   B. THE YIELD POINT SHALL BE THE POINT IN THE CYCLE WHERE THE COORDINATED PHASE 3 (MOVEMENTS 2 AND 6) IS TERMINATED, SUBJECT TO THE PRESENCE OF A CONFLICTING CALL. THE YIELD POINT SHALL BE THE ZERO PERCENT OFFSET POINT OF THE LOCAL CYCLE LENGTH.
3. NEW TIMEBASE COORDINATION UNIT (ITEM NO. 679-1-151) TO BE CONNECTED TO PHASE 3 (MOVEMENTS 2 AND 6).

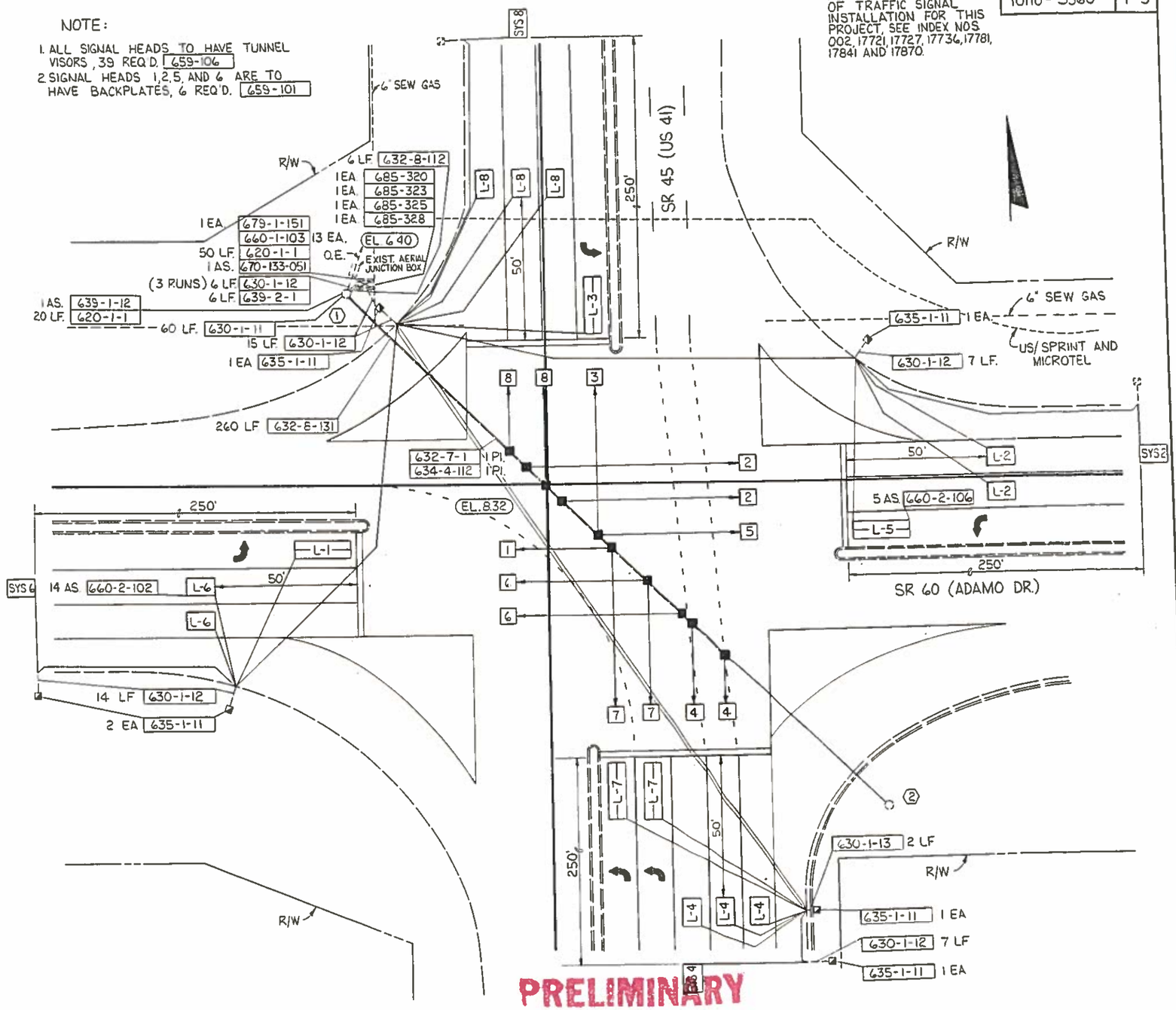
NOTES:

1. SEE SHEET T-4, GENERAL NOTE SHEET, FOR ALL NOTES PERTAINING TO THIS LOCATION.

NOTE:

1. ALL SIGNAL HEADS TO HAVE TUNNEL VISORS, 39 REQ'D. 659-106
2. SIGNAL HEADS 1, 2, 5, AND 6 ARE TO HAVE BACKPLATES, 6 REQ'D. 659-101

FOR ADDITIONAL DETAILS OF TRAFFIC SIGNAL INSTALLATION FOR THIS PROJECT, SEE INDEX NOS. 002, 17721, 17727, 17736, 17781, 17841 AND 17870.



TIMINGS ARE INITIAL AND MAY REQUIRE FIELD ADJUSTING

CONTROLLER TIMINGS

TIMING FUNCTION	MOVEMENT NO.	1	2	3	4	5	6	7	8
	MIN. GRN. (INT.)	7.0	17.0	7.0	17.0	7.0	17.0	7.0	17.0
	EXT. (PASS.)	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
	MAX. GRN. I	20.0	40.0	30.0	40.0	20.0	40.0	20.0	40.0
	MAX. GRN. II	—	—	—	—	—	—	—	—
	YELLOW CLR.	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
	ALL RED CLR.	1.0	1.5	1.0	1.5	1.0	1.5	1.0	1.5
	PED. WALK	—	—	—	—	—	—	—	—
	PED. CLR.	—	—	—	—	—	—	—	—
	RECALL								

DETECTORS FOR LOOPS		
LOOP	NO. OF LOOPS	NO. OF DETS.
L-1	1	1
L-2	2	1
L-3	1	1
L-4	3	1
L-5	1	1
L-6	2	1
L-7	2	2
L-8	3	1
SYS 2	1	1
SYS 4	1	1
SYS 6	1	1
SYS 8	1	1

TRAFFIC CONTROL PLAN FOR SIGNAL INSTALLATION- MAINTAIN TRAFFIC ON EXISTING ROADWAY BY USE OF CASE NO. XXII, FIGURE 11.22 OF THE MANUAL ON TRAFFIC CONTROL AND SAFE PRACTICES, 1978.

PRELIMINARY

FEB 10 1988

SUBJECT TO CHANGE

LOCATION NO. 1
SR 60 (ADAMO DR.) AT SR 45 (US 41)
SCALE: 1" = 20'

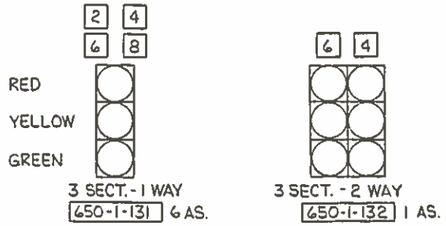
REVISIONS											
BY	DESCRIPTION	DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION	

	NAME	DATE		NAME	DATE
DESIGNED BY	af	12-87	DRAWN BY	cj	9-87
CHECKED BY	CRB	12-87	CHECKED BY	mLm	12-87
SUPERVISED BY	CKM 1-88				

FLORIDA DEPARTMENT OF TRANSPORTATION
APPROVED BY
DATE

SIGNALIZATION PLANS

STATE PROJ. NO.	SHEET NO.
10110-3560	T-6



SIGNAL HEADS 2 AND 6 TO HAVE BACKPLATES, 4 REQ'D. 659-101

ALL SIGNAL HEADS TO HAVE TUNNEL VISORS, 24 REQ'D. 659-106

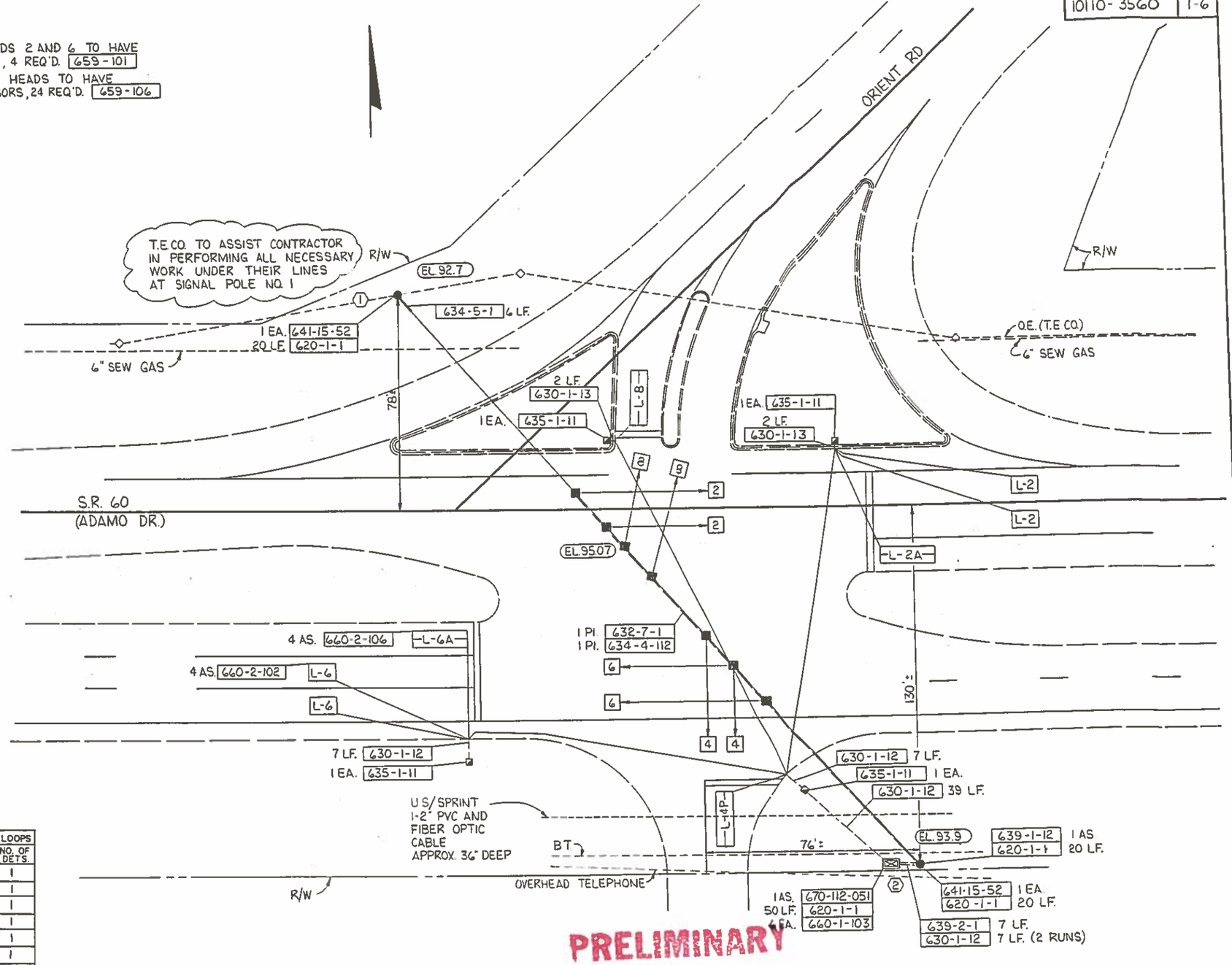
SIGNAL HEAD DETAILS

CONTROLLER OPERATIONS:

1. MAJOR STREET IS S.R. 60 (ADAMO DR.), PHASE 1 (MOVEMENTS 2 AND 6), AND MINOR STREET IS ORIENT RD., PHASE 2 (MOVEMENTS 4 AND 8).
2. STANDARD SIGNAL OPERATING PLAN NO. 1 WITH THE FOLLOWING:
   - A. COORDINATION ON PHASE 1 (MOVEMENTS 2 AND 6) TIME BASE.
   - B. THE YIELD POINT SHALL BE THE POINT IN THE CYCLE WHERE THE COORDINATED PHASE 1, (MOVEMENTS 2 AND 6) IS TERMINATED. SUBJECT TO THE PRESENCE OF A CONFLICTING CALL. THE YIELD POINT SHALL BE THE ZERO PERCENT OFFSET POINT OF THE LOCAL CYCLE LENGTH.
   - C. FOUR PHASE CONTROLLER TO OPERATE AS TWO PHASE.
3. ITEM NO. 670-1AB-CDE SHALL INCLUDE ADDITIONAL COST OF CONCRETE, LABOR AND OTHER MATERIALS FOR CONTROLLER BASE, PAD AND STEPS AS REQUIRED.

NOTES:

1. SEE SHEET T-4, GENERAL NOTE SHEET, FOR ALL NOTES PERTAINING TO THIS LOCATION.



TIMINGS ARE INITIAL AND MAY REQUIRE FIELD ADJUSTING

CONTROLLER TIMINGS

TIMING FUNC		1		2	
	MOVEMENT NO.	2	6	4	8
TIMING FUNCTION	MIN. GRN. (INT.)	17.0	17.0	7.0	7.0
	EXT. (PASS.)	3.0	3.0	3.0	3.0
	MAX. GRN. I	50.0	50.0	30.0	30.0
	MAX. GRN. II				
	YELLOW CLR.	4.5	4.5	4.5	4.5
	ALL RED CLR.	2.0	2.0	2.0	2.0
	PED. WALK				
	PED. CLR.				
	RECALL	MIN.	MIN.		

DETECTORS FOR LOOPS		
LOOP	NO. OF LOOPS	NO. OF DETS.
L-2	2	1
L-2A	1	1
L-4P	1	1
L-6	2	1
L-6A	1	1
L-8P	1	1
L-		
L-		
L-		
L-		

TRAFFIC CONTROL PLAN FOR SIGNAL INSTALLATION - MAINTAIN TRAFFIC ON EXISTING ROADWAY BY USE OF CASE NO. XXII, FIGURE 11.22 OF THE MANUAL ON TRAFFIC CONTROL AND SAFE PRACTICES, 1978.

PRELIMINARY

FEB 10 1988

SUBJECT TO CHANGE

LOCATION NO. 2
SR 60 (ADAMO DR.) AT ORIENT RD.
SCALE: 1" = 20'

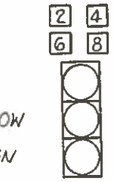
REVISIONS											
BY	DESCRIPTION	DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION	

	NAME	DATE		NAME	DATE
DESIGNED BY	CS	1-'88	DRAWN BY	CS	9-87
CHECKED BY	CRG	1-88	CHECKED BY	CCIII	1-88
SUPERVISED BY	CCIII	1-88			

FLORIDA DEPARTMENT OF TRANSPORTATION
APPROVED BY
DATE

SIGNALIZATION PLANS

STATE PROJ. NO.	SHEET NO.
10110 - 3560	T-7



3-SECT., 1-WAY
650-1-131 8 AS.

HEADS 2 & 6 TO HAVE BACKPLATES, 4 REQ'D. 659-101

ALL SIGNAL HEADS TO HAVE TUNNEL VISORS, 24 REQ'D. 659-106

SIGNAL HEAD DETAILS

CONTROLLER OPERATIONS:

1. MAJOR STREET IS S.R. 60 (ADAMO DR.), PHASE 1 (MOVEMENTS 2 & 6) AND MINOR STREET IS 78TH ST., PHASE 2 (MOVEMENTS 4 & 8).
2. STANDARD S.O.P. NO. 1, WITH THE FOLLOWING:
   (A) FOUR-PHASE CONTROLLER TO OPERATE AS TWO-PHASE.
   (B) COORDINATION ON PHASE 1 - TIME-BASE (MOVEMENTS 2 & 6).
   (C) THE YIELD POINT SHALL BE THE POINT IN THE CYCLE WHERE THE COORDINATED PHASE 1 (MOVEMENTS 2 & 6) IS TERMINATED, SUBJECT TO THE PRESENCE OF A CONFLICTING CALL. THE YIELD POINT SHALL BE THE ZERO PERCENT OFFSET POINT OF THE LOCAL CYCLE LENGTH.

NOTES:

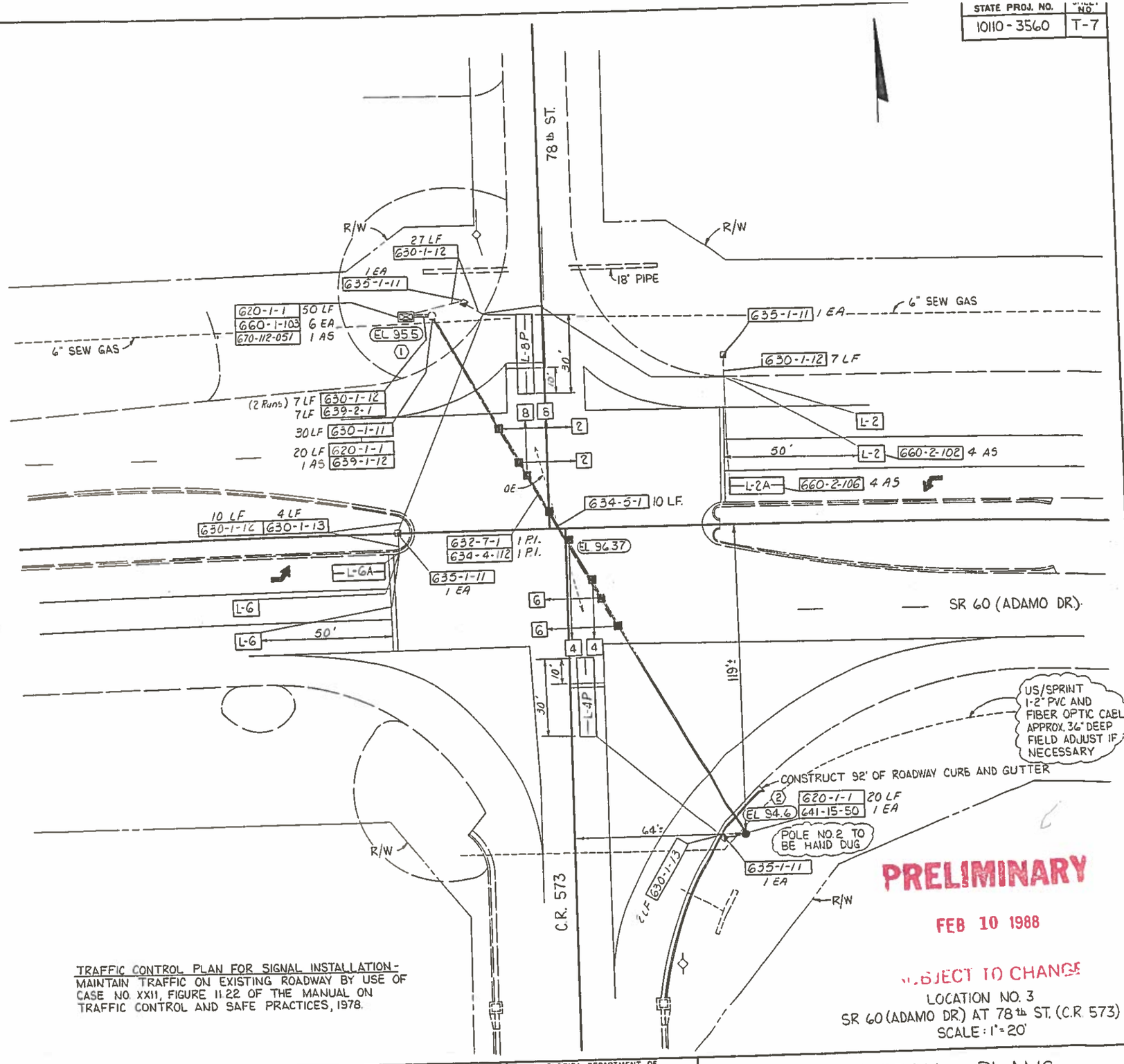
1. SEE SHEET T-4, GENERAL NOTE SHEET, FOR ALL NOTES PERTAINING TO THIS LOCATION.

TIMINGS ARE INITIAL AND MAY REQUIRE FIELD ADJUSTING

CONTROLLER TIMINGS

	TIMING FUNC.	1		2	
	MOVEMENT NO.	2	6	4	8
TIMING FUNCTION	MIN GRN (INT)	17.0	17.0	7.0	7.0
	EXT. (PASS)	3.0	3.0	3.0	3.0
	MAX. GRN. I	36.0	36.0	28.0	28.0
	MAX. GRN. II	-	-	-	-
	YELLOW CLR	5.0	5.0	4.0	4.0
	ALL RED CLR	1.0	1.0	1.0	1.0
	PED. WALK	-	-	-	-
	PED. CLR.	-	-	-	-
	RECALL	Max.	Max.	-	-

DETECTORS FOR LOOPS		
LOOP	NO. OF LOOPS	NO. OF DETS
L-2	2	1
L-2A	1	1
L-4P	1	1
L-6	2	1
L-6A	1	1
L-8P	1	1
L-		
L-		
L-		
L-		



TRAFFIC CONTROL PLAN FOR SIGNAL INSTALLATION - MAINTAIN TRAFFIC ON EXISTING ROADWAY BY USE OF CASE NO. XXII, FIGURE 11.22 OF THE MANUAL ON TRAFFIC CONTROL AND SAFE PRACTICES, 1978.

PRELIMINARY

FEB 10 1988

SUBJECT TO CHANGE

LOCATION NO. 3
SR 60 (ADAMO DR) AT 78th ST. (C.R 573)
SCALE: 1"=20'

REVISIONS											
BY	DESCRIPTION	DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION	

	NAME	DATE		NAME	DATE
DESIGNED BY	MLM	12/87	DRAWN BY	CL	9-87
CHECKED BY	CRB	12/87	CHECKED BY	BCM	1/87
SUPERVISED BY	C.K. AT. CROAN	12/87			

FLORIDA DEPARTMENT OF TRANSPORTATION
APPROVED BY
DATE

SIGNALIZATION PLANS