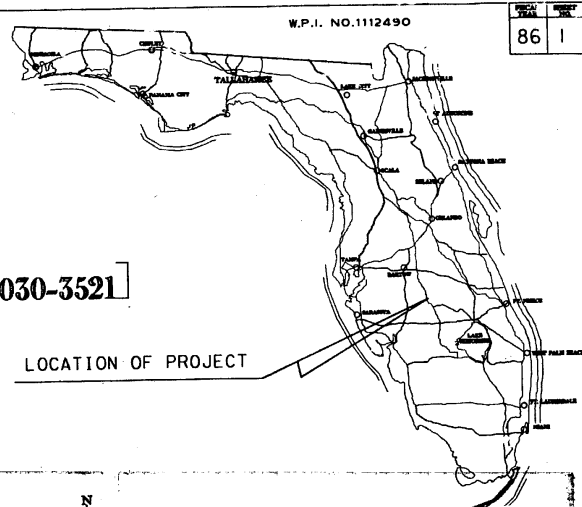


FINAL PLANS

THIS CONTRACT PLAN SET INCLUDES:
 SUMMARY OF PAY ITEMS (3 SHEETS)
 ROADWAY PLANS
 SIGNING AND PAVEMENT MARKING PLANS
 SIGNALIZATION PLANS

STATE OF FLORIDA
 DEPARTMENT OF TRANSPORTATION



W.P.I. NO. 1112490
 86 1

STATE HIGHWAY

F.A. PROJECT NO. F-399-1(16) [STATE PROJECT NO. 09030-3521]

HIGHLANDS COUNTY

STATE ROAD NO. 25

LOCATION OF PROJECT

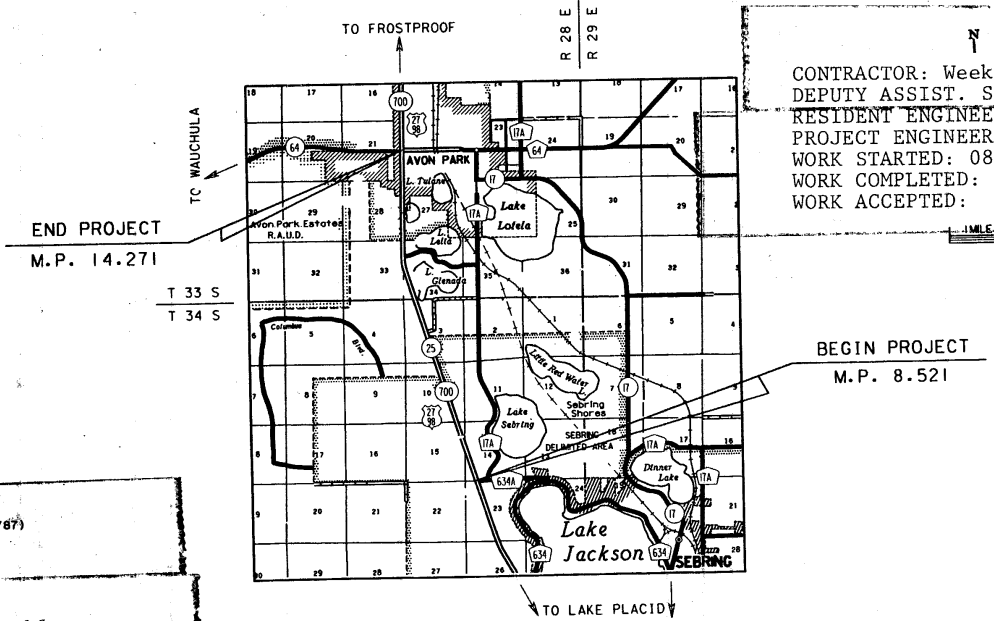
A DETAILED INDEX APPEARS ON THE KEY SHEET OF EACH GROUP OF PLANS

INDEX OF ROADWAY PLANS

SHEET NO.	SHEET DESCRIPTION
1	KEY SHEET
2	TYPICAL SECTION
3	DETAIL OF SAFETY BARRIER

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

- 001
- 002
- 300
- 400
- 513
- 514



CONTRACTOR: Weekly Asphalt Paving
 DEPUTY ASSIST. SECRETARY-DISTRICT ONE: W.R. Trefz
 RESIDENT ENGINEER: N.B. Polk
 PROJECT ENGINEER: R.E. Roberts
 WORK STARTED: 08/03/87
 WORK COMPLETED: 02/02/88
 WORK ACCEPTED:

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: *[Signature]*
 DIRECTOR OF PRECONSTRUCTION AND DESIGN

APPROVED BY: _____
 DIVISION ADMINISTRATOR FEDERAL HIGHWAY ADMINISTRATION
 DATE: _____

ROADWAY PLANS APPROVED BY: *[Signature]*
 DATE: *12/14/87*

BOOK NUMBER	DESCRIPTION
1	Diary
1	Computation Booklet
1	Computer Output Booklet
000040	Final Measurement - Base
002640	Thermoplastic Striping
002641	Thermoplastic Striping
002642	Final Measurement
002647	Final Measurement
005632	Final Measurement FC-2
005637	Final Measurement FC-2

LENGTH OF PROJECT		
	LINEAR FT.	MILES
ROADWAY	30360.00	5.750
BRIDGES	0.00	0.000
NET LENGTH OF PROJ.	30360.00	5.750
EXCEPTIONS	0.00	0.000
GROSS LENGTH OF PROJ.	30360.00	5.750

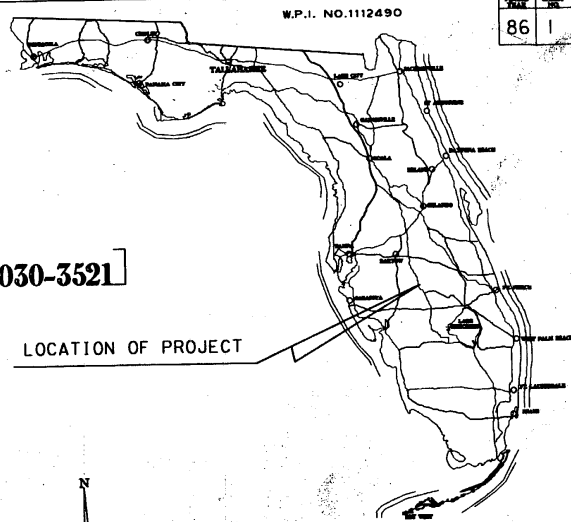
BL. FISHER

THIS CONTRACT PLAN SET INCLUDES:
 SUMMARY OF PAY ITEMS (3 SHEETS)
 ROADWAY PLANS
 SIGNING AND PAVEMENT MARKING PLANS
 SIGNALIZATION PLANS

STATE OF FLORIDA
 DEPARTMENT OF TRANSPORTATION

PLANS OF PROPOSED
 STATE HIGHWAY

F.A. PROJECT NO. F-399-1(16) [STATE PROJECT NO. 09030-3521]
 HIGHLANDS COUNTY
 STATE ROAD NO. 25



LOCATION OF PROJECT

A DETAILED INDEX APPEARS ON THE KEY SHEET
 OF EACH GROUP OF PLANS

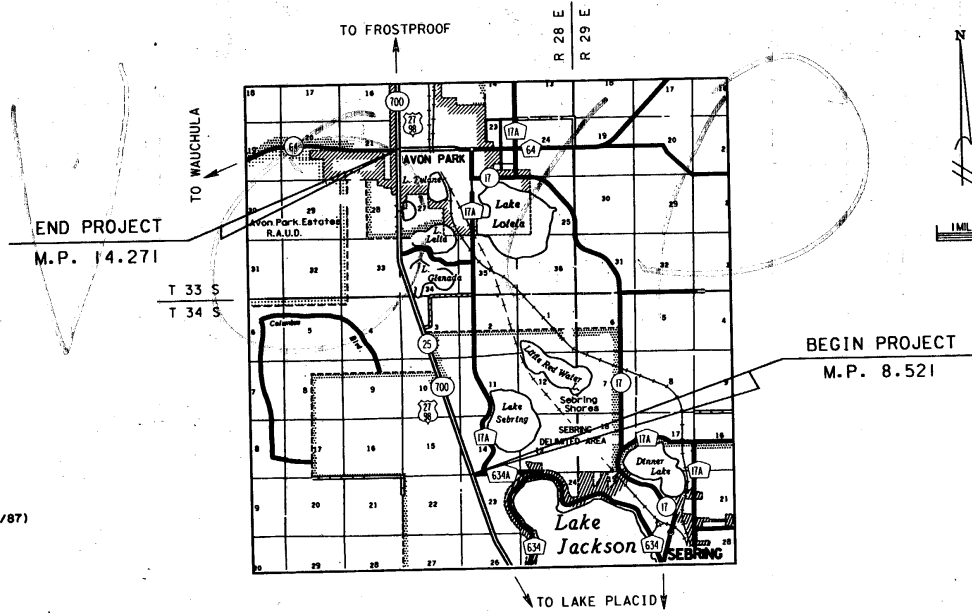
INDEX OF ROADWAY PLANS

SHEET NO.	SHEET DESCRIPTION
1	KEY SHEET
2	TYPICAL SECTION
3	DETAIL OF SAFETY BARRIER

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

- 001
- 002
- 300
- 400
- 513
- 514

REVISIONS
 SHEET'S 01 OF 01 SIGNING CES, S1, S2, & S5 (REVISED 2/24/87)



ATTENTION IS DIRECTED TO THE FACT THAT
 THESE PLANS MAY HAVE BEEN REDUCED IN
 SIZE BY REPRODUCTION. THIS MUST BE CON-
 sidered 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: _____

ROADWAY PLANS
 APPROVED BY: _____
 DATE: Nov 16 1987

	LENGTH OF PROJECT	
	LINEAR FT.	MILES
ROADWAY	30360.00	5.750
BRIDGES	0.00	0.000
NET LENGTH OF PROJ.	30360.00	5.750
EXCEPTIONS	0.00	0.000
GROSS LENGTH OF PROJ.	30360.00	5.750

B.L. FISHER

THIS CONTRACT PLAN SET INCLUDES

SUMMARY OF PAY ITEMS (3 SHEETS)
ROADWAY PLANS
SIGNING AND PAVEMENT MARKING PLANS
SIGNALIZATION PLANS

A DETAILED INDEX APPEARS ON THE KEY SHEET
OF EACH GROUP OF PLANS

INDEX OF ROADWAY PLANS

SHEET NO.	SHEET DESCRIPTION
1	KEY SHEET
2	TYPICAL SECTION
3	DETAIL OF SAFETY BARRIER

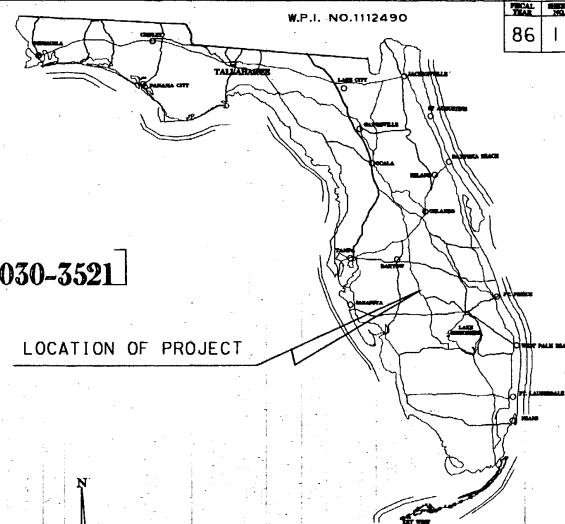
ROADWAY AND TRAFFIC DESIGN STANDARDS
(BOOKLET DATED JANUARY, 1987)

001
002
300
400
513
514

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

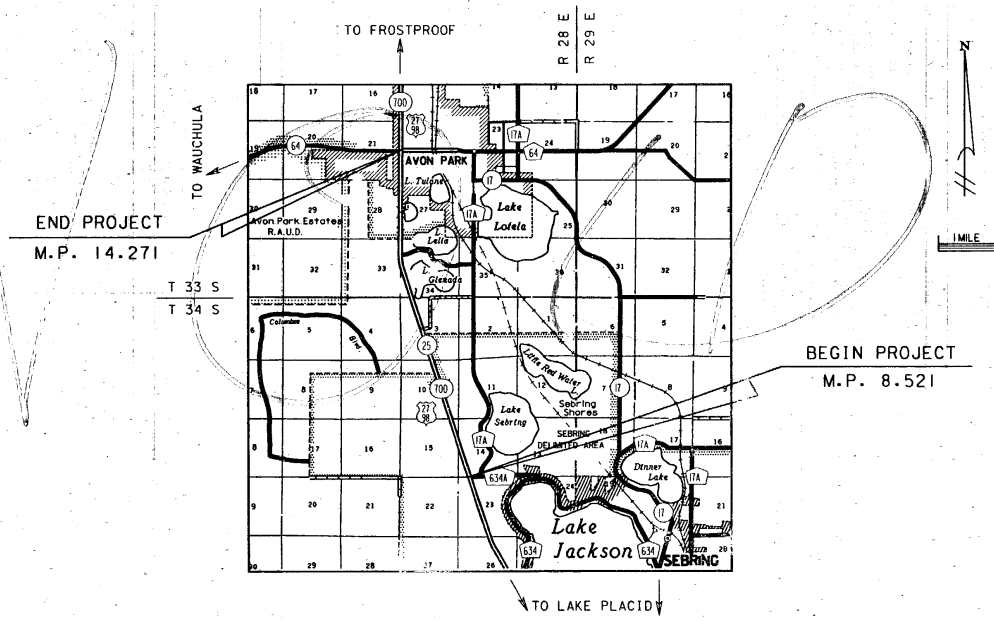
PLANS OF PROPOSED
STATE HIGHWAY

F.A. PROJECT NO. F-399-1(16) [STATE PROJECT NO. 09030-3521]
HIGHLANDS COUNTY
STATE ROAD NO. 25



W.P.I. NO.1112490

86 1



LENGTH OF PROJECT		
	LINEAR FT.	MILES
ROADWAY	30360.00	5.750
BRIDGES	0.00	0.000
NET LENGTH OF PROJ.	30360.00	5.750
EXCEPTIONS	0.00	0.000
GROSS LENGTH OF PROJ.	30360.00	5.750

B.L. FISHER

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: *[Signature]*
DIRECTOR OF PRECONSTRUCTION AND DESIGN

APPROVED BY: _____
DIVISION ADMINISTRATOR FEDERAL HIGHWAY ADMINISTRATION
DATE: _____

ROADWAY PLANS APPROVED BY: *[Signature]*
DATE: *11/14/87*

3/09/87
CES0151

Revised 3/16/87

CESPJ15-1
PAGE 91 OF 91

02030-3521

A L T		S P I C	ITEM NUMBER	SUMMARY OF ITEM	ROADWAY PAY ITEMS	UN IT	02030-3521 FA PART	QUANTITY TOTAL
1			101- 1-	MOBILIZATION		LS	1.000	1.000
1			102- 1-	MAINT OF TRAFFIC		LS	1.000	1.000
2			102- 74-	BARRICADE (TEMPORARY - CLASSES A, D & O)		CB	18000.000	18000.000
2			102- 75-	CONSTRUCTION SIGNS (TEMP - POST MOUNTED)		CB	7200.000	7200.000
2			102- 76-	FLASHING ARROW BOARD (TEMPORARY)		CB	180.000	180.000
2			102- 77-	HIGH INTENSITY FLASHING LIGHTS (TEMP - TYPE B)		CB	3600.000	3600.000
2			102- 92- 3	TEMPORARY PAVEMENT MARKING (SKIP)		SN	35.000	35.000
2			102- 92- 4	TEMPORARY PAVEMENT MARKING (SOLID)		NM	69.000	69.000
1			104- 4-	MOVING		AC	6.400	6.400
1			120- 8-	FINAL DRESSING		LS	1.000	1.000
1			285-716-	OPTIONAL BASE (BASE GROUP 1A)		SY	23886.000	23886.000
1			300- 1- 3	BIT MTL (TACK COAT)		GA	25089.000	25089.000
1			300- 1- 9	BIT MTL (9C) (SPAL 350H)		GA	23605.000	23605.000
3			327- 70- 5	MILLING EXIST ASPH PAVT (2" AVG DEPTH)		SY	167545.000	167545.000
1			339- 1-	MISC ASPHALT PAVEMENT		TM	36.300	36.300
1			400- 2- 3	CLASS II CONC (BRIDGES)		CY	9.300	9.300
1			415- 1- 1	REINF STEEL (ROADWAY)		LB	2208.000	2208.000
1			520- 1- 7	CONC CURB & GUTTER (TYPE E)		LF	130.000	130.000
1			522- 2-	CONC SIDEWALK (6" THICK)		SY	50.000	50.000
1			536- 1- 1	GUARDRAIL (ROADWAY)		LF	100.000	100.000
1			536- 9-	END ANCHORAGE ASSEM TYPE IV		SA	4.000	4.000
2			536- 73-	REN OF EXISTING GUARDRAIL		LF	100.000	100.000
1			538- 1-	RESET GUARDRAIL		LF	950.000	950.000
1			570- 2-	SEED & MULCH (PERMANENT TYPE)		SY	101165.000	101165.000
1			570- 3-	GRASS SEED		LB	2090.000	2090.000
1			570- 4-	MULCH MAT		TR	83.600	83.600
1			570- 5-	FERTILIZER		TR	5.700	5.700
1			570- 9-	WATER FOR GRASS		CG	128.000	128.000
1			570- 10-	GRASS SEED (QUICK-GROWING TYPE)		LB	627.000	627.000
1			575- 1-	SPACING		SY	22431.000	22431.000
2			5331- 2-	TYPE 5 ASPH CONC (INC BIT)		TM	27775.700	27775.700
2			5337- 1- 2	ASPH CONC FRICTION COURSE (INC BIT) (628) (FC-9)		SY	235057.000	235057.000

2/25/87
CES0152

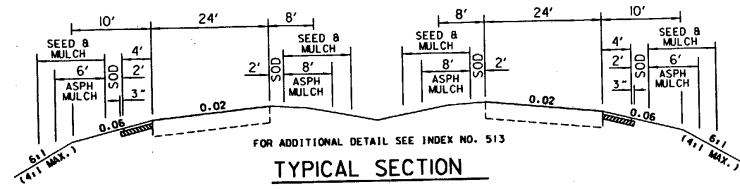
CESPJ15-2
PAGE 01 OF 01

09030-3521

Revised 2/24/87

SUMMARY OF SIGNING PAY ITEMS

A L T	S P C	ITEM NUMBER	ITEM	UN IT	09030-3521		QUANTITY TOTAL
					FA	PART	
	-1	700- 1- 5	ROADSIDE SIGN (RT MARKER DOUBLE)	AS	2.000		2.000
	-1	700- 1- 10	ROADSIDE SIGN (3 SQ FT OR LESS)	AS	2.000		2.000
	-1	700- 1- 14	ROADSIDE SIGN (SIGN 6-E.25)	AS	2.000		2.000
	-1	700- 73- 1	REMOVE EXISTING SIGN (ONE POST)	AS	2.000		2.000
	-1	700- 79-	REMOVE EXIST SIGN PANEL	EA	6.000		6.000
	-1	700- 84- 1	SIGN PANEL INSTALLATION (SQ FT 0 TO 10)	EA	2.000		2.000
	-1	706- 1- 12	REFLECTIVE PAVEMENT MARKER (F61) (CLASS B)	EA	2134.000		2134.000
	-1	706- 2-	REM OF EXIST PAVT MARKERS	EA	12.000		12.000
	-1	711- 1-	SKIP TRAFFIC STRIPE THERMOPLASTIC	GW	14.048		14.048
	-1	711- 4-	DIRECTIONAL ARROWS THERMOPLASTIC	EA	22.000		22.000
	-1	711- 6- 81	SOLID TRAFFIC STRIPE THERMOPLASTIC (8")	LF	1012.000		1012.000
	-1	711- 6-121	SOLID TRAFFIC STRIPE THERMOPLASTIC (12")	LF	228.000		228.000
	-1	711- 6-181	SOLID TRAFFIC STRIPE THERMOPLASTIC (18")	LF	495.000		495.000
	-1	711- 6-241	SOLID TRAFFIC STRIPE THERMOPLASTIC (24")	LF	475.000		475.000
	-1	711- 8- 41	SOLID TRAFFIC STRIPE THERMOPLASTIC (4")	NM	19.743		19.743



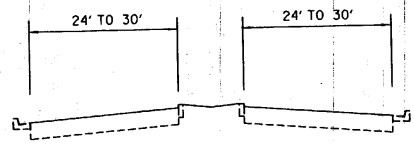
TYPICAL SECTION
M.P. 8.52 TO M.P. 13.31
DESIGN SPEED 55 MPH

MILL 2" AVG. DEPTH AND CONSTRUCT TYPE S STRUCTURAL COURSE (300 LBS/SY) WITH FRICTION COURSE (5/8") FC-2.

PAVED SHOULDERS: OPTIONAL BASE GROUP 16 (FOR THICKNESS SEE BELOW) WITH TYPE S STRUCTURAL COURSE (300 LBS/SY) AND FRICTION COURSE (5/8") FC-2.

OPTIONAL BASE COURSE PERMITTED

OPTION COURSE PERMITTED	OPTION CODE
4" LIMESTONE BASE COURSE	981
3" ASPHALT BASE COURSE (TYPE 1)	604
3" ASPHALT BASE COURSE (TYPE 3)	606



TYPICAL SECTION
M.P. 13.31 TO M.P. 14.27
DESIGN SPEED 45 MPH

MILL 2" AVG. DEPTH AND CONSTRUCT TYPE S STRUCTURAL COURSE (300 LBS/SY) WITH FRICTION COURSE (5/8") FC-2.

TRAFFIC DATA

EST. 1987 A.D.T. - 23000
EST. 1997 A.D.T. - 32400
K-10X D-55X 24-HR. T-14X

UTILITY OWNERS
CITY OF AVON PARK (813) 452-2221
UNITED TELEPHONE (813) 453-3243

- SUMMARY OF PAY ITEM FOOTNOTES**
- | ITEM NO. | DESCRIPTION |
|----------|---|
| 102-1 | MAINTENANCE OF TRAFFIC BARRICADES WILL BE PAID FOR ON THE BASIS OF PER BARRICADE PER DAY IN USE. THE QUANTITY SHOWN IS BASED ON AN ESTIMATED AVERAGE OF 100 BARRICADES FOR 180 DAYS. |
| 102-74 | CONSTRUCTION SIGNS (TEMP. POST MOUNTED) SIGNS WILL BE PAID FOR ON THE BASIS OF PER SIGN PER DAY IN USE. THE QUANTITY SHOWN IS BASED ON AN ESTIMATED AVERAGE OF 40 SIGNS FOR 180 DAYS. |
| 102-76 | FLASHING ARROW BOARD (TEMP.) ARROW BOARDS WILL BE PAID FOR ON THE BASIS OF PER ARROW BOARD PER DAY IN USE. THE QUANTITY SHOWN IS BASED ON AN ESTIMATED AVERAGE OF 1 ARROW BOARDS FOR 180 DAYS. |
| 102-77 | HIGH INTENSITY FLASHING LIGHTS (TEMP. TYPE B) FLASHING LIGHTS WILL BE PAID FOR ON THE BASIS OF PER FLASHING LIGHT PER DAY IN USE. THE QUANTITY SHOWN IS BASED ON AN ESTIMATED AVERAGE OF 20 FLASHING LIGHTS FOR 180 DAYS. |
| 120-8 | FINAL DRESSING PRICE AND PAYMENT FOR THIS ITEM SHALL ALSO INCLUDE EXCAVATION FOR TRENCHES FOR WIDENING AND ALL ROADWAY EXCAVATION NECESSARY TO SHAPE SHOULDERS AND FRONT SLOPES AND NECESSARY COMPACTION. |
| 300-1-9 | BITUMINOUS MATERIAL (EMUL. ASPHALT) INCLUDED FOR BITUMINOUS SHOULDER TREATMENT. |
| 339-1 | MISC. ASPH. PAVEMENT INCLUDED FOR PAVEMENT UNDER GUARDRAIL. |
| 520-1-7 | INCLUDED FOR MEDIAN REVISIONS AT FAIRMOUNT DR. AND VALERIE RD AS SHOWN IN SIGNALIZATION PLANS. ALSO INCLUDES REMOVAL OF EXISTING CURB. |
| 570-5 | FERTILIZER BASED ON ONE APPLICATION. |
| 522-2 | INCLUDED FOR REPAIR OF CONCRETE DRIVES LOCATED WITHIN PAVED SHOULDER AREA. ALSO INCLUDES COST OF REMOVING EXISTING DRIVE TO 10" FROM TRAVEL LANE. |
| 5331-2 | INCLUDES 69 TN FOR ADJUSTMENT TO ASPHALT DRIVE. |

PROPOSED TRAFFIC CONTROL PLAN

CONFORMS TO THE MANUAL ON TRAFFIC CONTROL AND SAFE PRACTICES, 1978.

MILLING AND RESURFACING OPERATIONS SHALL UTILIZE CASE NO. XII, FIG. 11.12 AND CASE NO. XVII, FIG. 11.17.

PROPOSED WIDENING SHALL UTILIZE CASE NO. XII, FIG. 11.12.

SHOULDER OPERATIONS SHALL UTILIZE CASE NO. XI, FIG. 11.11.

PAVEMENT MARKINGS ARE TO BE APPLIED BY USE OF CASE NO. XXVII, FIG. 11.27.

SUMMARY OF SODDING

LOCATION STA. TO STA.	SIDE	PLAN LENGTH	SOVD.	FINAL LENGTH	SOVD.
8.521 - 13.311	R.M.	8'	25291.2'	22481.0'	

NOTE: THE LIMITS OF SODDING INDICATED ABOVE ARE APPROXIMATE AND ARE TO BE ADJUSTED WHERE NECESSARY AS DIRECTED BY THE ENGINEER TO PROVIDE FOR CONTINUITY OF CONSTRUCTION OR TO SUIT THE ACTUAL REQUIREMENTS.

GENERAL NOTES

ANY PUBLIC LAND CORNER WITHIN THE LIMITS OF CONSTRUCTION IS TO BE PROTECTED. IF A CORNER MONUMENT IS IN DANGER OF BEING DESTROYED AND HAS NOT BEEN PROPERLY REFERENCED, THE PROJECT ENGINEER SHOULD NOTIFY THE DISTRICT LOCATION SURVEYOR WITHOUT DELAY BY TELEPHONE.

ANY NGVD-29 MONUMENT WITHIN THE LIMITS OF CONSTRUCTION IS TO BE PROTECTED. IF IN DANGER OF DAMAGE, THE PROJECT ENGINEER SHOULD NOTIFY:

GEODETIC INFORMATION CENTER
ATTN: MARK MAINTENANCE SECTION
6001 EXECUTIVE BOULEVARD
ROCKVILLE, MARYLAND 20852
TELEPHONE (301) 443-8319

AT THE BEGINNING, END, AND EXCEPTIONS OF THE PROJECT, CONSTRUCTION LIMITS SHALL BE EXTENDED BEYOND THE PROJECT LIMITS (WHERE APPLICABLE) TO ALLOW FOR THE ASPHALT COURSES TO BE FEATHERED. FEATHER SHALL BE CONSTRUCTED IN SUCH A MANNER AS TO CONSTRUCT A SMOOTH TRANSITION. THE COST SHALL BE INCLUDED IN THE FRICTION COURSE PAY ITEM.

EXISTING DRAINAGE STRUCTURES WITHIN THE CONSTRUCTION LIMITS SHALL REMAIN UNLESS OTHERWISE NOTED.

UTILITIES ARE TO BE ADJUSTED BY OTHERS AS DIRECTED BY THE ENGINEER.

THE CONTRACTOR SHALL PROVIDE TEMPORARY PAVEMENT MARKINGS INDICATING LANELINES, STORAGE AREAS FOR TURNING MOVEMENTS, ARROWS, AND PAVEMENT MESSAGES TO COMPLETELY DEFINE TRAFFIC DURING AND AT THE END OF EACH DAY'S OPERATION. COST TO BE INCLUDED UNDER TEMPORARY PAVEMENT MARKINGS FOR LANELINES AND ALL OTHER ITEMS TO BE INCLUDED IN MAINTENANCE OF TRAFFIC LUMP SUM.

ALL INTERSECTIONS TO BE RESURFACED TO THE RADIUS RETURN UNLESS OTHERWISE DIRECTED BY THE ENGINEER.

WHERE DITCHWORK IS NECESSARY CONSTRUCT PROPOSED DITCH AT EXISTING DITCH ELEVATION UNLESS OTHERWISE DIRECTED BY THE ENGINEER.

THE CONTRACTOR SHALL MILL TRAVEL LANES AND MAJOR TURNLANES AS DIRECTED BY THE ENGINEER.

THE TYPICAL SECTIONS SHOWN MAY NOT BE REPRESENTATIVE OF THE ACTUAL CONDITIONS. VARIABLE CONDITIONS WILL BE ADJUSTED AS DIRECTED BY THE ENGINEER.

FRICTION COURSE (FC-2) SHALL NOT BE FEATHERED BUT REMAIN 5/8" AT THE LIP OF THE CURB. FEATHER STRUCTURAL COURSES TO THE LIP OF THE GUTTER.

MILLING AND RESURFACING OPERATIONS SHALL NOT BE ACCOMPLISHED IN SUCH A MANNER AS TO REFLECT IRREGULARITIES IN THE EXISTING CURB.

THE CONTRACTOR SHOULD IDENTIFY THE PROPOSED OPTION ON WHICH HIS INITIAL BID IS BASED BY ENTERING THE THREE DIGIT OPTION CODE TO THE RIGHT SIDE OF THE ITEM NUMBER OF OPTIONAL BASE ITEM ON THE SUBMITTED BID PROPOSAL.

MEDIAN REVISIONS AT FAIRMOUNT DRIVE AND VALERIE ROAD SHALL USE 750 LBS/SY TYPE S FOR BASE COURSE AND 200 LBS/SY TYPE S FOR STRUCTURAL COURSE.

SUMMARY OF GUARDRAIL

QTY	LOCATION	SIDE	GUARDRAIL			END ANCHORAGE		SPECIAL POSTS
			NEW	RESET	REMOVE	TYPE-11	TYPE-14	
P	M.P. 13.170	RT	25'		25'			1
F			25'		25'			1
P	M.P. 13.170	M/RT	37.5'	200'	25'	1	0	
P	M.P. 13.175	LT	37.5'		25'			1
F			37.5'		25'			1
P	M.P. 13.189	M/LT	25'	175'	25'	1	0	
F			25'	175'	25'			1
P	M.P. 13.189	LT	25'	200'	25'			1
F			25'	200'	25'			1
P			100'	950'	100'			4
F			150'	1150'	100'	3	2	
TOTAL								

NOTE: GUARDRAIL LIMITS AND LIMITS ALONG THE PROJECT MAY BE VARIED BASED ON ACTUAL PROJECT CONDITIONS AT TIME OF CONSTRUCTION.

REVISIONS

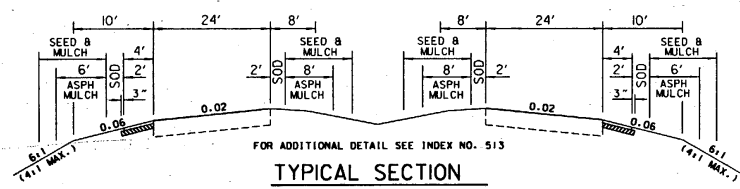
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

REVISIONS: 1/1/87 BY: Revised various notes

APPROVED BY: [Signature]

DATE: 1/1/87

TYPICAL SECTION

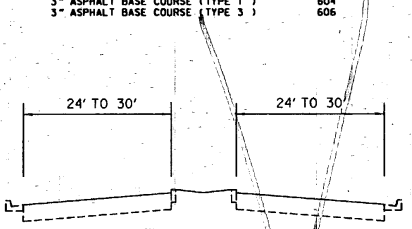


TYPICAL SECTION

M.P. 8.521 TO M.P. 13.311
DESIGN SPEED 55 MPH

MILL 2" AVG. DEPTH AND CONSTRUCT TYPE S STRUCTURAL COURSE (300 LBS/SY) WITH FRICTION COURSE (5/8") FC-2.
PAVED SHOULDERS: OPTIONAL BASE GROUP 16 (FOR THICKNESS SEE BELOW) WITH TYPE S STRUCTURAL COURSE (400 LBS/SY) AND FRICTION COURSE (5/8") FC-2.

OPTIONAL BASE COURSE PERMITTED	OPTION CODE
4" LIME ROCK BASE COURSE	981
3" ASPHALT BASE COURSE (TYPE 1)	604
3" ASPHALT BASE COURSE (TYPE 3)	606



TYPICAL SECTION

M.P. 13.311 TO M.P. 14.271
DESIGN SPEED 45 MPH

MILL 2" AVG. DEPTH AND CONSTRUCT TYPE S STRUCTURAL COURSE (300 LBS/SY) WITH FRICTION COURSE (5/8") FC-2.

TRAFFIC DATA

EST. 1987 A.D.T. = 23000
EST. 1997 A.D.T. = 32400
K=10% D=55% 24-HR. T=14%

UTILITY OWNERS
CITY OF AVON PARK (813) 452-2221
UNITED TELEPHONE (813) 453-3243

SUMMARY OF PAY ITEM FOOTNOTES

- ITEM NO. DESCRIPTION
- 102-1 MAINTENANCE OF TRAFFIC. INCLUDES ALL ITEMS OF MAINTENANCE OF TRAFFIC NOT INCLUDED FOR PAYMENT UNDER SEPARATE ITEMS.
- 102-74 BARRICADES (TEMP. CLASS A, B, AND D) BARRICADES WILL BE PAID FOR ON THE BASIS OF PER BARRICADE PER DAY IN USE. THE QUANTITY SHOWN IS BASED ON AN ESTIMATED AVERAGE OF 100 BARRICADES FOR 180 DAYS.
- 102-75 CONSTRUCTION SIGNS (TEMP. POST MOUNTED) SIGNS WILL BE PAID FOR ON THE BASIS OF PER SIGN PER DAY IN USE. THE QUANTITY SHOWN IS BASED ON AN ESTIMATED AVERAGE OF 40 SIGNS FOR 180 DAYS.
- 102-76 FLASHING ARROW BOARD (TEMP.) ARROW BOARDS WILL BE PAID FOR ON THE BASIS OF PER ARROW BOARD PER DAY IN USE. THE QUANTITY SHOWN IS BASED ON AN ESTIMATED AVERAGE OF 1 ARROW BOARDS FOR 180 DAYS.
- 102-77 HIGH INTENSITY FLASHING LIGHTS (TEMP. TYPE B) FLASHING LIGHTS WILL BE PAID FOR ON THE BASIS OF PER FLASHING LIGHT PER DAY IN USE. THE QUANTITY SHOWN IS BASED ON AN ESTIMATED AVERAGE OF 20 FLASHING LIGHTS FOR 180 DAYS.
- 120-8 FINAL DRESSING PRICE AND PAYMENT FOR THIS ITEM SHALL ALSO INCLUDE EXCAVATION FOR TRENCHES FOR WIDENING AND ALL ROADWAY EXCAVATION NECESSARY TO SHAPE SHOULDERS AND FRONT SLOPES AND NECESSARY COMPACTION.
- 300-1-9 BITUMINOUS MATERIAL (EMUL. ASPHALT) INCLUDED FOR BITUMINOUS SHOULDER TREATMENT.
- 339-1 MISC. ASPH. PAVEMENT INCLUDED FOR PAVEMENT UNDER GUARDRAIL.
- 520-1-7 INCLUDED FOR MEDIAN REVISIONS AT FAIRMOUNT DR. AND VALERIE RD., AS SHOWN IN SIGNALIZATION PLANS.
- 870-5 FERTILIZER BASED ON ONE APPLICATION.

PROPOSED TRAFFIC CONTROL PLAN

CONFORMS TO THE MANUAL ON TRAFFIC CONTROL AND SAFE PRACTICES, 1978.
MILLING AND RESURFACING OPERATIONS SHALL UTILIZE CASE NO. XII, FIG. 11.12 AND CASE NO. XVII, FIG. 11.17.
PROPOSED WIDENING SHALL UTILIZE CASE NO. XI, FIG. 11.12.
SHOULDER OPERATIONS SHALL UTILIZE CASE NO. XI, FIG. 11.11.
PAVEMENT MARKINGS ARE TO BE APPLIED BY USE OF CASE NO. XXVII, FIG. 11.27

SUMMARY OF SODDING

LOCATION STA. TO STA.	SIDE	PLAN		FINAL	
		WIDTH	LENGTH	WIDTH	LENGTH
8.521 - 13.311	RML	8'	25291.2'	22481.0'	

NOTE: THE LIMITS OF SODDING INDICATED ABOVE ARE APPROXIMATE AND ARE TO BE ADJUSTED WHERE NECESSARY AS DIRECTED BY THE ENGINEER TO PROVIDE FOR CONTINUITY OF CONSTRUCTION OR TO SUIT THE ACTUAL REQUIREMENTS.

GENERAL NOTES

ANY PUBLIC LAND CORNER WITHIN THE LIMITS OF CONSTRUCTION IS TO BE PROTECTED. IF A CORNER MONUMENT IS IN DANGER OF BEING DESTROYED AND HAS NOT BEEN PROPERLY REFERENCED, THE PROJECT ENGINEER SHOULD NOTIFY THE DISTRICT LOCATION SURVEYOR WITHOUT DELAY BY TELEPHONE.

ANY NGVD-29 MONUMENT WITHIN THE LIMITS OF CONSTRUCTION IS TO BE PROTECTED. IF IN DANGER OF DAMAGE, THE PROJECT ENGINEER SHOULD NOTIFY:

GEODETIC INFORMATION CENTER
ATTN: MARK MAINTENANCE SECTION
ATTN: HJ-C-162
6001 EXECUTIVE BOULEVARD
ROCKVILLE, MARYLAND 20852
TELEPHONE (301) 443-8319

AT THE BEGINNING, END, AND EXCEPTIONS OF THE PROJECT, CONSTRUCTION LIMITS SHALL BE EXTENDED BEYOND THE PROJECT LIMITS (WHERE APPLICABLE) TO ALLOW FOR THE ASPHALT COURSES TO BE FEATHERED. FEATHER SHALL BE CONSTRUCTED IN SUCH A MANNER AS TO CONSTRUCT A SMOOTH TRANSITION. THE COST SHALL BE INCLUDED IN THE FRICTION COURSE PAY ITEM.

EXISTING DRAINAGE STRUCTURES WITHIN THE CONSTRUCTION LIMITS SHALL REMAIN UNLESS OTHERWISE NOTED.

UTILITIES ARE TO BE ADJUSTED BY OTHERS AS DIRECTED BY THE ENGINEER.

THE CONTRACTOR SHALL PROVIDE TEMPORARY PAVEMENT MARKINGS INDICATING LANELINES, STORAGE AREAS FOR TURNING MOVEMENTS, ARROWS, AND PAVEMENT MESSAGES TO COMPLETELY DEFINE TRAFFIC DURING AND AT THE END OF EACH DAY'S OPERATION. COSTS TO BE INCLUDED UNDER TEMPORARY PAVEMENT MARKINGS FOR LANELINES AND ALL OTHER ITEMS TO BE INCLUDED IN MAINTENANCE OF TRAFFIC LUMP SUM.

ALL INTERSECTIONS TO BE RESURFACED TO THE RADIUS RETURN UNLESS OTHERWISE DIRECTED BY THE ENGINEER.

WHERE DITCHWORK IS NECESSARY CONSTRUCT PROPOSED DITCH AT EXISTING DITCH ELEVATION UNLESS OTHERWISE DIRECTED BY THE ENGINEER.

THE CONTRACTOR SHALL MILL TRAVEL LANES ONLY UNLESS OTHERWISE DIRECTED BY THE ENGINEER.

THE TYPICAL SECTIONS SHOWN MAY NOT BE REPRESENTATIVE OF THE ACTUAL CONDITIONS. VARIABLE CONDITIONS WILL BE ADJUSTED AS DIRECTED BY THE ENGINEER.

FRICTION COURSE (FC-2) SHALL NOT BE FEATHERED BUT REMAIN 5/8" AT THE LIP OF THE CURB.

MILLING AND RESURFACING OPERATIONS SHALL NOT BE ACCOMPLISHED IN SUCH A MANNER AS TO REFLECT IRREGULARITIES IN THE EXISTING CURB.

THE CONTRACTOR SHOULD IDENTIFY THE PROPOSED OPTION ON WHICH HIS INITIAL BID IS BASED BY ENTERING THE THREE DIGIT OPTION CODE TO THE RIGHT SIDE OF THE ITEM NUMBER OF OPTIONAL BASE ITEM ON THE SUBMITTED BID PROPOSAL.

MEDIAN REVISIONS AT FAIRMOUNT DRIVE AND VALERIE ROAD SHALL USE 750 LBS/SY TYPE S FOR BASE COURSE AND 200 LBS/SY TYPE S FOR STRUCTURAL COURSE.

SUMMARY OF GUARDRAIL

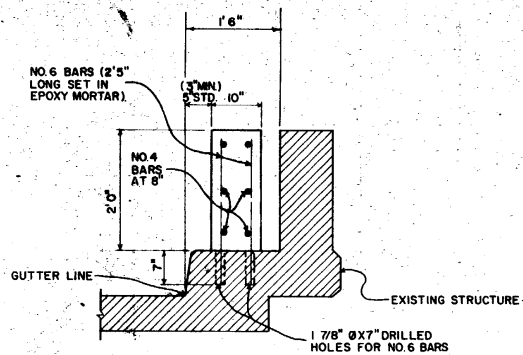
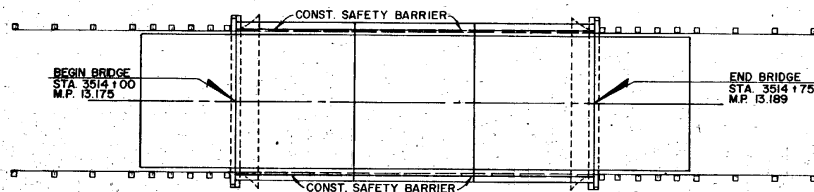
QTY	LOCATION	SIDE	GUARDRAIL			END ANCHORAGE		SPECIAL POSTS
			NEW	RESET	REMOVE	TYPE-11	TYPE-1V	
P	M.P. 13.170	RT	25'		25'			1
F								
P	M.P. 13.170	M/RT	25'		25'			1
F								
P	M.P. 13.175	LT		375'				
F								
P	M.P. 13.189	M/LT	25'	175'	25'			1
F								
P	M.P. 13.189	LT	25'	400'	25'			1
F								
TOTAL			P 100'	950'	100'			4

NOTE: GUARDRAIL LIMITS AND LIMITS ALONG THE PROJECT MAY BE VARIED BASED ON ACTUAL PROJECT CONDITIONS AT TIME OF CONSTRUCTION.

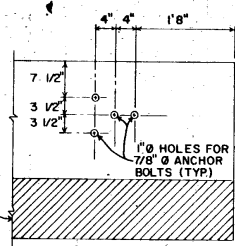
TYPICAL SECTION

REVISIONS										FLORIDA DEPARTMENT OF TRANSPORTATION	
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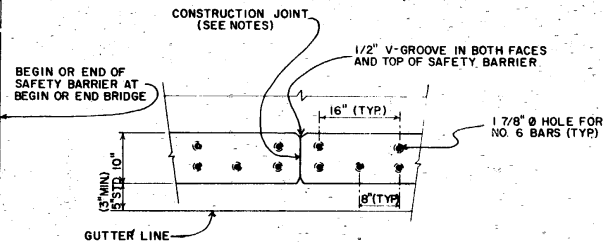
DESIGNED BY	DATE	DRAWN BY	DATE	CHECKED BY	DATE	APPROVED BY	DATE
RKH	10-80	SEJ	10-80	RKH	10-80		
BLE	10-80						



SECTION THRU CURB



PARTIAL ELEVATION
DETAIL "A"
SHOWING GUARDRAIL ATTACHMENT



PARTIAL PLAN

CONCRETE: CLASS II, CYLINDER STRENGTH (28 DAYS) 3400 P.S.I.
 REINFORCING STEEL: GRADE 60. AT ALL CONSTRUCTION JOINTS IN CONTRACT GUARDRAIL BARRIER LONGITUDINAL REINFORCING MAY BE EITHER CONTINUOUS OR SPLICED. ALL SPLICES SHALL BE 1'4" MINIMUM. AT ALL OPEN JOINTS STEEL SHALL HAVE 2" MINIMUM COVER.
 JOINTS: THERE SHALL BE A 3/4" OPEN JOINT AT ALL SUBSTRUCTURE SUPPORTS. CONSTRUCTION JOINTS SHALL BE AT MIDSPAN.
 SURFACE FINISH: ALL SURFACES OF CONCRETE SAFETY BARRIER SHALL RECEIVE A "CLASS 5, APPLIED FINISH COATING".
 NOTE: CONNECT THE PROPOSED GUARDRAIL TO SAFETY BARRIER AT BRIDGE ENDS ATTACHMENTS AS SHOWN IN DETAIL "A" AT THE COST OF ALL NECESSARY WORK AND MATERIALS TO BE INCLUDED IN THE COST OF THE SAFETY BARRIER.

ITEM	ESTIMATED QUANTITIES		BASIS OF ESTIMATE
	UNIT	QUANTITY	
CLASS II CONCRETE	C.Y.	9.5	1.67 C.F./FT.
REINFORCING STEEL	L.B.S.	2208	14.7 LBS./FT.

DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

DESIGNED BY	DWM	DATE	2-6-86	DRAWN BY	DWM	DATE	2-7-86	APPROVED BY		DATE	
CHECKED BY	S.W.	DATE	2-10-86	CHECKED BY	S.W.	DATE	2-10-86	APPROVED BY		DATE	
SUPERVISED BY	A. Casaway										

DETAIL OF SAFETY BARRIER

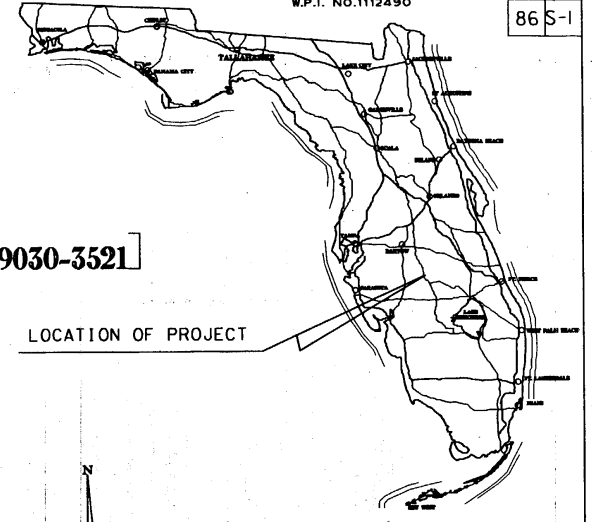
STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

PLANS OF PROPOSED
STATE HIGHWAY

F.A. PROJ. NO. F-399-1(16) [STATE PROJECT NO. 09030-3521]

HIGHLANDS COUNTY
STATE ROAD NO. 25

SIGNING AND PAVEMENT MARKING PLANS



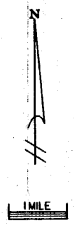
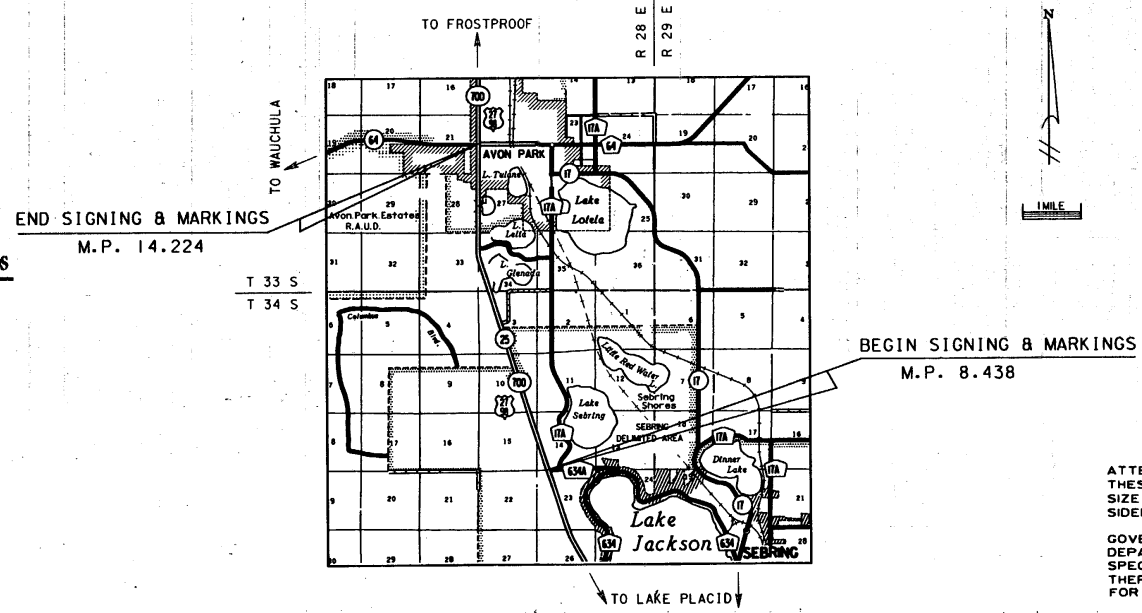
LOCATION OF PROJECT

INDEX OF SIGNING & PAVEMENT MARKING PLANS

SHEET NO.	SHEET DESCRIPTION
S-1	KEY SHEET
S-2	TABULATIONS
S-3 - S-5	PLAN SHEETS

ROADWAY AND TRAFFIC DESIGN STANDARDS
(BOOKLET DATED JANUARY, 1986)

- 11860
- 11862
- 17302
- 17346
- 17352
- 17359



REVISION: INDEX 17359 ADDED (2/24/87)

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: _____

SIGNING & PAVEMENT MARKING PLANS APPROVED BY: *Donald L. Pratt*
DATE: 2-26-87

CREW CHIEF : LG. WOOD

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

PLANS OF PROPOSED
STATE HIGHWAY

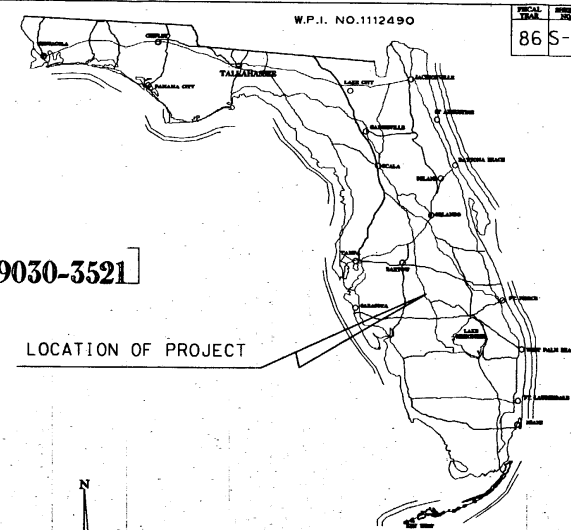
F.A. PROJ. NO. F-399-1(16) [STATE PROJECT NO. 09030-3521]

HIGHLANDS COUNTY
STATE ROAD NO. 25

SIGNING AND PAVEMENT MARKING PLANS

INDEX OF SIGNING & PAVEMENT MARKING PLANS

SHEET NO.	SHEET DESCRIPTION
S-1	KEY SHEET
S-2	TABULATIONS
S-3 - S-5	PLAN SHEETS



W.P.I. NO.1112490

86 S-1

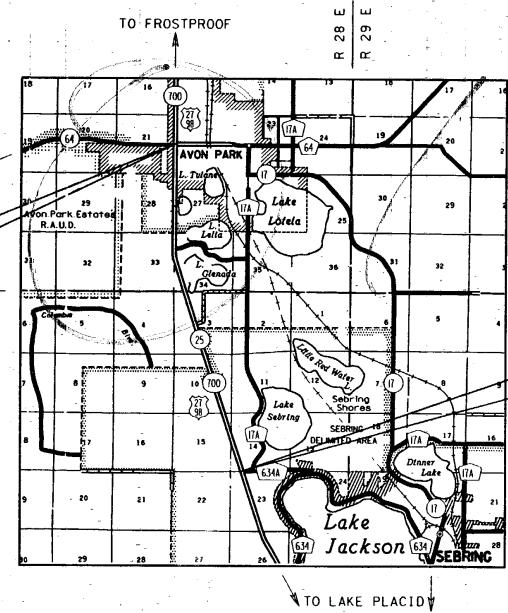
LOCATION OF PROJECT

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

- 11860
- 11862
- 17302
- 17346
- 17352

END SIGNING & MARKINGS
M.P. 14.273

T 33 S
T 34 E



BEGIN SIGNING & MARKINGS
M.P. 8.438

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 SPECIFICATIONS PROVISIONS FOR THIS PROJECT.

SUBMITTED BY: _____
DIRECTOR OF PRECONSTRUCTION AND DESIGN

APPROVED BY: _____
DIVISION ADMINISTRATOR FEDERAL HIGHWAY ADMINISTRATION
DATE: _____

SIGNING & PAVEMENT MARKING PLANS APPROVED BY: _____
DATE: 1-12-87

CREW CHIEF : LG.WOOD

09030-3521

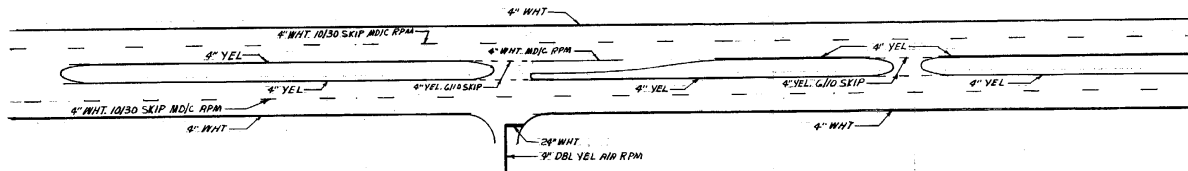
TABULATION OF QUANTITIES

BID ITEM NO.	DESCRIPTION	UNIT	SHEET NUMBERS												TOTAL THIS SHEET	GRAND TOTAL	REF. SHEET		
			S-3		S-4		S-5		ORIG.		FINAL		ORIG.					FINAL	
			ORIG.	FINAL	ORIG.	FINAL	ORIG.	FINAL	ORIG.	FINAL	ORIG.	FINAL	ORIG.	FINAL				ORIG.	FINAL
700-1-5	TWO M1-4(24"), TWO M3-1(12"x24")	AS			1												2	2	
	TWO M1-4(24"), TWO M3-3(12"x24")	AS				1													
700-1-14	R3-7R(30")	AS			2												2	2	
700-73-1	REMOVE EXISTING SIGN (ONE POST)	AS			1		1										2	2	
700-79	REMOVE EXISTING SIGN PANEL	EA			6												6	6	
700-84-1	SIGN PANEL INSTALLATION	EA			2												2	2	
705-1	DELINEATOR, SINGLE UNIT WHITE	EA																	
705-2	DELINEATOR, DOUBLE UNIT AMBER	EA																	
	DELINEATOR, DOUBLE UNIT AMBER/GREEN	EA																	
706-1-12	REFLECTIVE PAVEMENT MARKER, MONO-DIRECTIONAL /COLORLESS	EA	1.737		185		97											2134	2134
	REFLECTIVE PAVEMENT MARKER, COLORLESS/RED	EA			51		20												
	REFLECTIVE PAVEMENT MARKER, AMBER/AMBER	EA			22		22												
	REFLECTIVE PAVEMENT MARKER, MONO-DIRECTIONAL /AMBER	EA																	
	REFLECTIVE PAVEMENT MARKER, AMBER/RED	EA																	
706-2	REMOVAL OF EXISTING PAVEMENT MARKERS	EA					12										12	12	
710-11	REMOVE EXISTING MARKINGS, PAINT	SF																	
711-1	SKIP TRAFFIC STRIPE, 10' OF 4" WHITE THERMOPLASTIC - 30' SKIP	GM	11.051		.256		163											14.048	14.048
	SKIP TRAFFIC STRIPE, 10' OF 4" YELLOW THERMOPLASTIC - 30' SKIP	GM																	
	SKIP TRAFFIC STRIPE, 6' OF 4" WHITE THERMOPLASTIC - 10' SKIP	GM	.80		.108														
	SKIP TRAFFIC STRIPE, 6' OF 4" YELLOW THERMOPLASTIC - 10' SKIP	GM	1.67																
711-3	PAVEMENT MESSAGES THERMOPLASTIC, RXR (89 SF)	EA																	
	PAVEMENT MESSAGES THERMOPLASTIC, ONLY (22 SF)	EA																	
	PAVEMENT MESSAGES THERMOPLASTIC, SCHOOL (33 SF)	EA																	
711-4	DIRECTIONAL ARROWS THERMOPLASTIC, THRU-ARROW NON-INTERSTATE (12 SF)	EA																22	22
	DIRECTIONAL ARROWS THERMOPLASTIC, THRU AND TURN COMBINATION (29 SF)	EA			1		1												
	DIRECTIONAL ARROWS THERMOPLASTIC, RIGHT OR LEFT TURN (16 SF)	EA			12		8												
	DIRECTIONAL ARROWS THERMOPLASTIC, INTERSTATE RAMP ARROW (35 SF)	EA																	
711-5	GUIDE LINES, 2' OF 4" WHITE THERMOPLASTIC - 4' SKIP	LF																	
711-6-81	SOLID TRAFFIC STRIPE, 8" WHITE THERMOPLASTIC, ISLAND AND CORE MARKINGS	LF			479		533										1012	1012	
711-6-121	SOLID TRAFFIC STRIPE, 12" WHITE THERMOPLASTIC, PEDESTRIAN AND SCHOOL CROSSINGS	LF					228										228	228	
711-6-181	SOLID TRAFFIC STRIPE, 18" WHITE THERMOPLASTIC, CROSSHATCH	LF			312		109										495	495	
	SOLID TRAFFIC STRIPE, 18" YELLOW THERMOPLASTIC, CROSSHATCH	LF					74												
711-6-241	SOLID TRAFFIC STRIPE, 24" WHITE THERMOPLASTIC, STOP BAR	LF			273		245												
	SOLID TRAFFIC STRIPE, 24" WHITE THERMOPLASTIC, RAILROAD BANDS	LF															475	475	
	SOLID TRAFFIC STRIPE, 24" WHITE THERMOPLASTIC, SCHOOL BANDS	LF																	
711-7	REMOVE EXISTING MARKINGS, THERMOPLASTIC	SF																	
711-8-41	SOLID TRAFFIC STRIPE, 4" WHITE THERMOPLASTIC	NM	10.06		.476		.348												
	SOLID TRAFFIC STRIPE, 4" YELLOW THERMOPLASTIC	NM	.086		.259		.200										19.743	19.743	

* LENGTH OF DOUBLE YELLOW

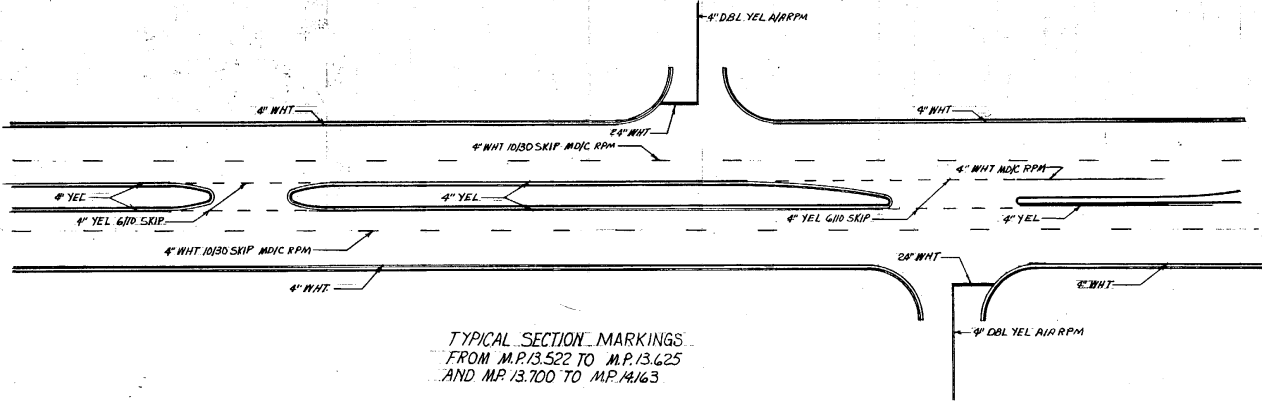
- NOTES: 1. PAVEMENT MARKINGS SHOULD BE PLACED AS SHOWN IN THE PLANS AND TRAFFIC DESIGN STANDARDS.
 2. THE PERMANENT REMOVAL OF SIGNS WITHIN THE LIMITS OF THIS PROJECT IS NOT REQUIRED IF THEY ARE NOT SHOWN IN THESE PLANS. ANY REQUIRED ADJUSTMENT OF THESE SIGNS BY THE CONTRACTOR SHALL BE COVERED UNDER SECTION 7-11.4 OF THE DEPARTMENT'S STANDARD SPECIFICATIONS.
 3. THE MILE POST USED IN THESE PLANS WERE DERIVED FROM ODOMETER READINGS AND ARE APPROXIMATE.

REVISIONS												FLORIDA DEPARTMENT OF TRANSPORTATION							
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION	DESIGNED BY	DATE	DRAWN BY	DATE	CHECKED BY	DATE	APPROVED BY	DATE
												DESIGNED BY	12-87	DRAWN BY	12-87	CHECKED BY	12-87	APPROVED BY	1-1988
												SUPERSEDED BY							



TYPICAL SECTION MARKINGS
FROM M.P. 8.537 TO M.P. 10.205
AND M.P. 10.345 TO M.P. 13.522

NOT TO SCALE



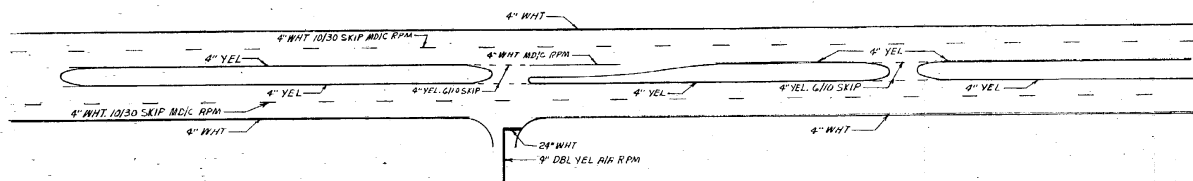
TYPICAL SECTION MARKINGS
FROM M.P. 13.522 TO M.P. 13.625
AND M.P. 13.700 TO M.P. 14.163

NOT TO SCALE

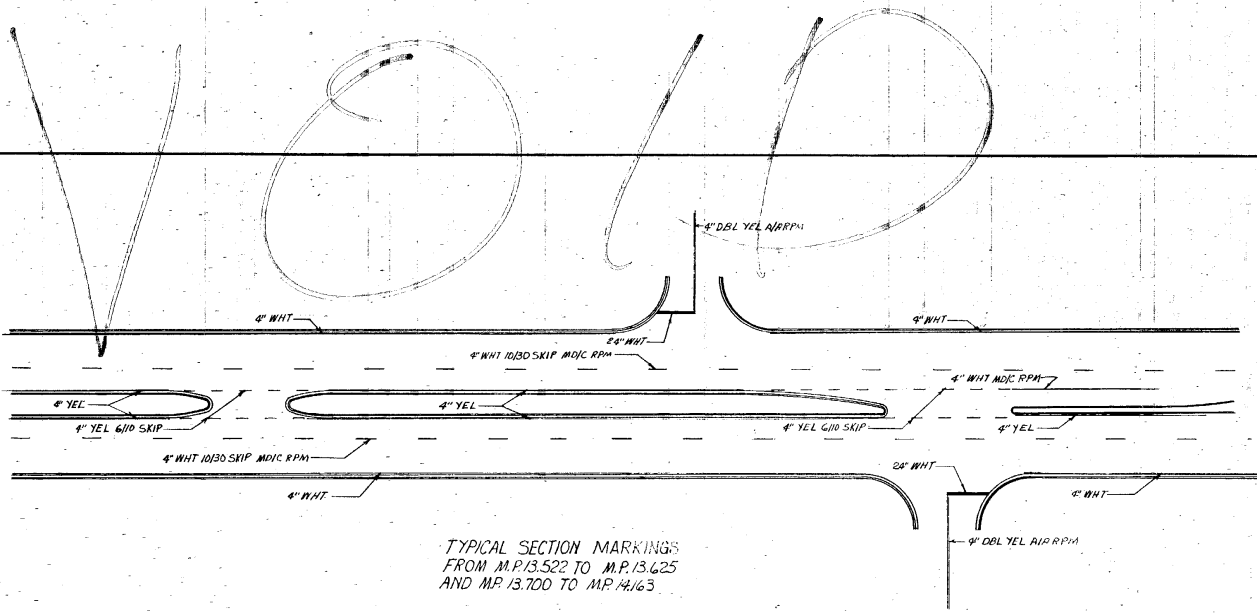
QUANTITIES FROM M.P. 8.438 TO M.P. 14.224 NOT SHOWN IN DETAILS.

4" WHT. THERMOPLASTIC SOLID	10.06
4" YEL THERMOPLASTIC SOLID	8.46
4" WHT THERMOPLASTIC 10/30 SKIP	11.051
4" YEL THERMOPLASTIC 6/10 SKIP	1.67
4" WHT THERMOPLASTIC 6/10 SKIP	.80
REFLECTIVE PRVT MARKERS MDIC	1,459

REVISIONS										FLORIDA DEPARTMENT OF TRANSPORTATION				
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION	DATE	BY	NAME	DATE	APPROVED BY	DATE
											DESIGNED BY: <i>DBY</i>	10/86	DRAWN BY: <i>AC</i>	10/86
											CHECKED BY: <i>DBY</i>	10/86	CHECKED BY: <i>DBY</i>	10/86
											SUPERVISED BY: <i>DEM</i>		APPROVED BY: <i>Small [Signature]</i>	DATE: 1-14-87



TYPICAL SECTION MARKINGS
FROM M.P. 8.537 TO M.P. 10.205
AND M.P. 10.345 TO M.P. 13.522



TYPICAL SECTION MARKINGS
FROM M.P. 13.522 TO M.P. 13.625
AND M.P. 13.700 TO M.P. 14.163

NOT TO SCALE

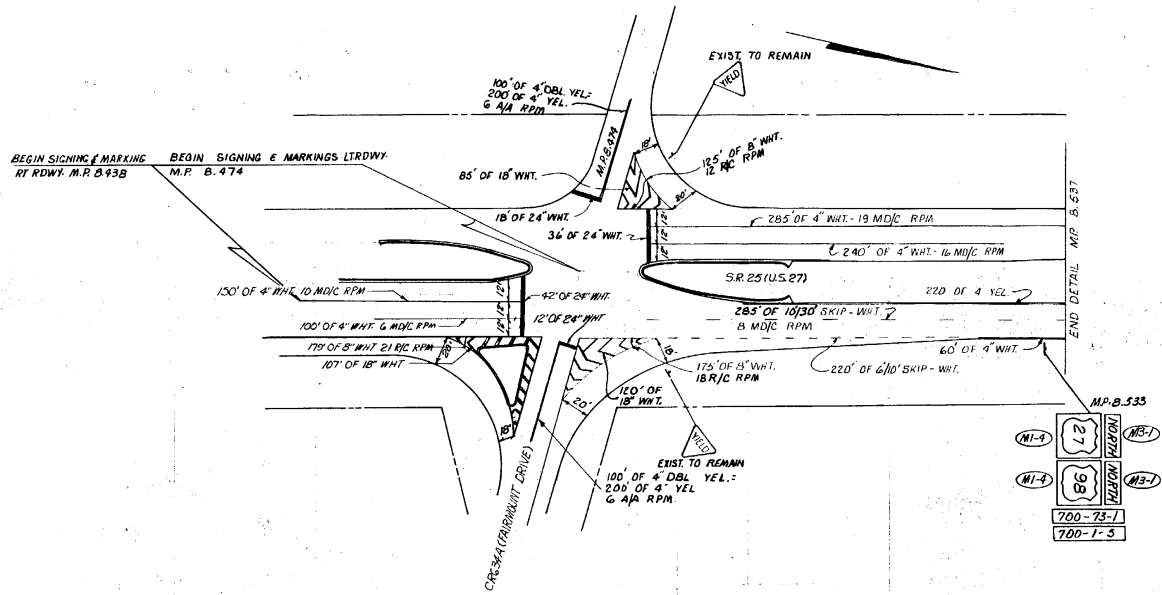
NOT TO SCALE

QUANTITIES FROM M.P. 8.438 TO M.P. 14.224 NOT SHOWN IN DETAILS.

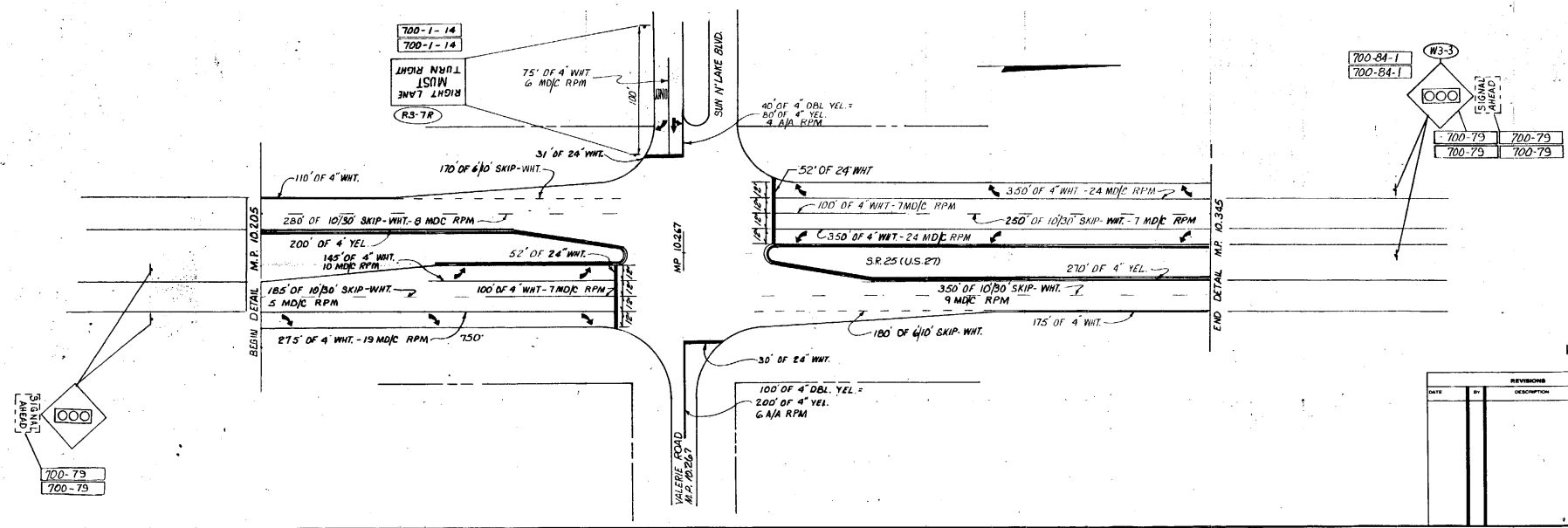
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4" YEL. THERMOPLASTIC SOLID	8.46
4" WHT. THERMOPLASTIC 10/30 SKIP	11.051
4" YEL. THERMOPLASTIC 6/10 SKIP	1.67
4" WHT. THERMOPLASTIC 6/10 SKIP	.80
REFLECTIVE PAVT MARKERS MDIC	1,459

DATE		BY		DESCRIPTION		DATE		BY		DESCRIPTION	

DESIGNED BY	NAME	DATE	DRAWN BY	NAME	DATE	FLORIDA DEPARTMENT OF TRANSPORTATION	
	JLN	1/1/86	AC	10/15/86	APPROVED BY		
CHECKED BY	JLN	1/2/86	CHECKED BY	WJW	10/15/86	DATE 1-14-87	
SUPERVISED BY		JLN					



40'

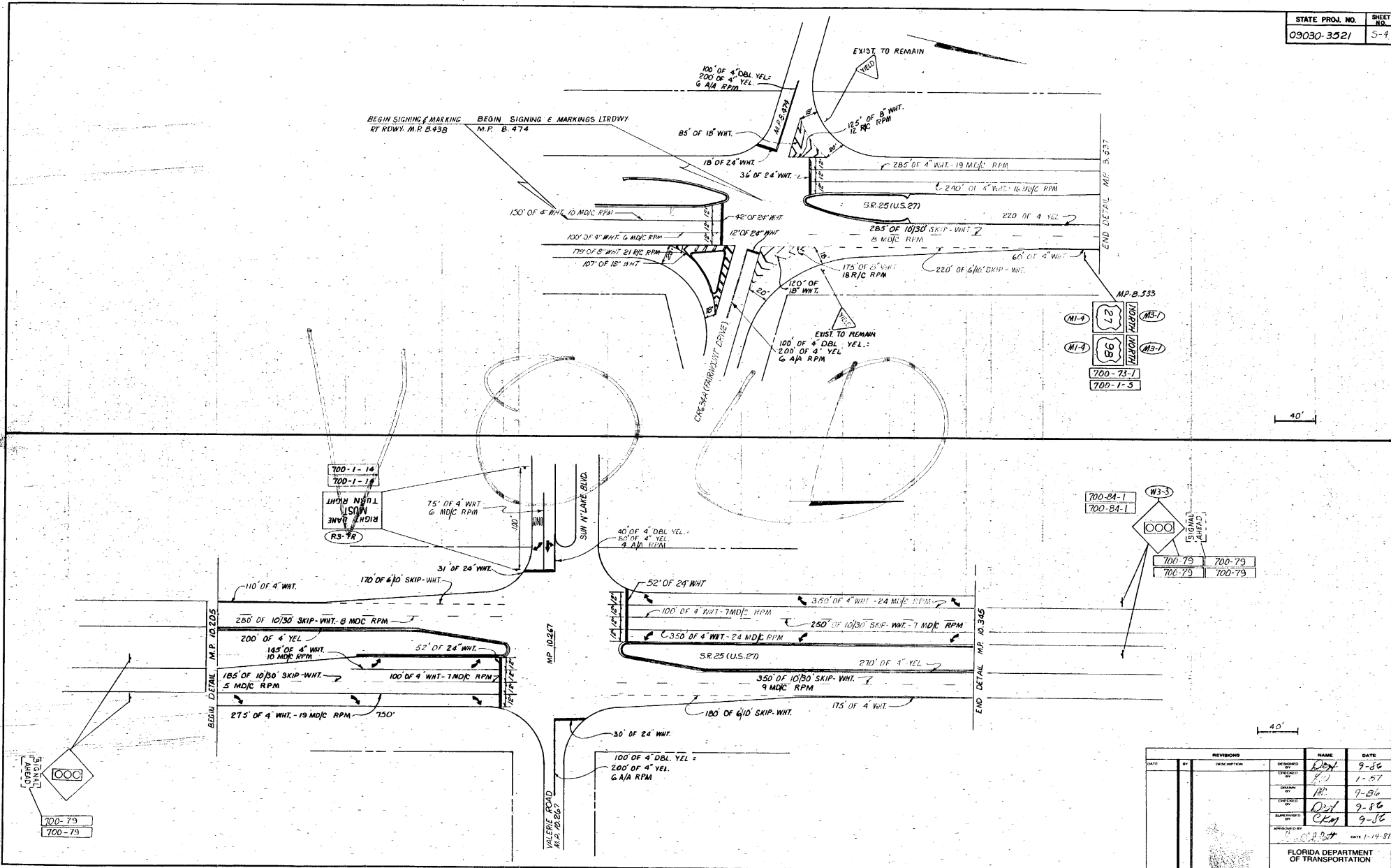


40'

REVISIONS		NAME	DATE
DATE	BY	DESCRIPTION	
		DESIGNED BY: <i>D. J. W.</i>	9-86
		CHECKED BY: <i>M.R.</i>	1-87
		CHECKED BY: <i>D. J. W.</i>	9-86
		SUPERSEDED BY: <i>C. J. W.</i>	9-86
APPROVED BY: <i>[Signature]</i>			DATE: 1-14-87

FLORIDA DEPARTMENT OF TRANSPORTATION

BRUNING 1174



40'

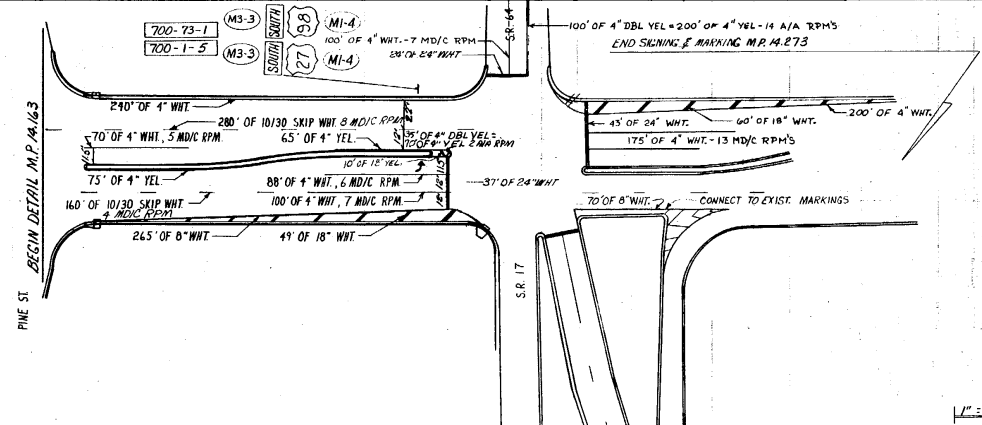
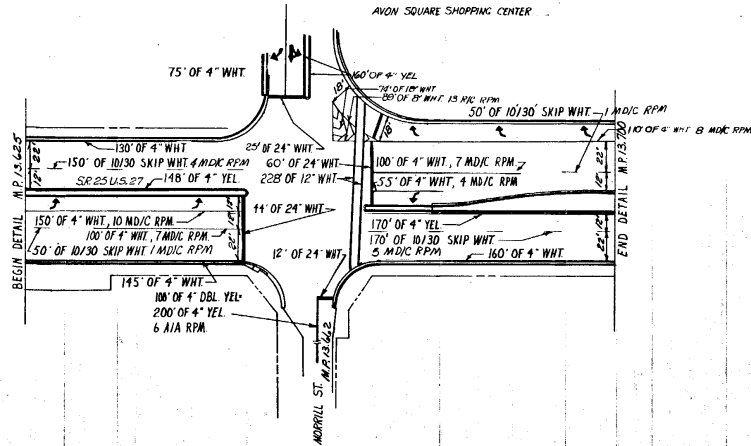
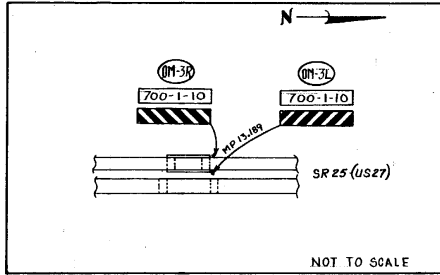
40'

REVISIONS		NAME	DATE
DATE	BY	DESCRIPTION	
		DESIGNED	Don 9-86
		DRAWN	11/1 1-87
		CHECKED	HR 9-86
		SUPERVISOR	Don 9-86
		APPROVED	Don 9-86

APPROVED BY: [Signature] DATE: 1-14-87

FLORIDA DEPARTMENT OF TRANSPORTATION

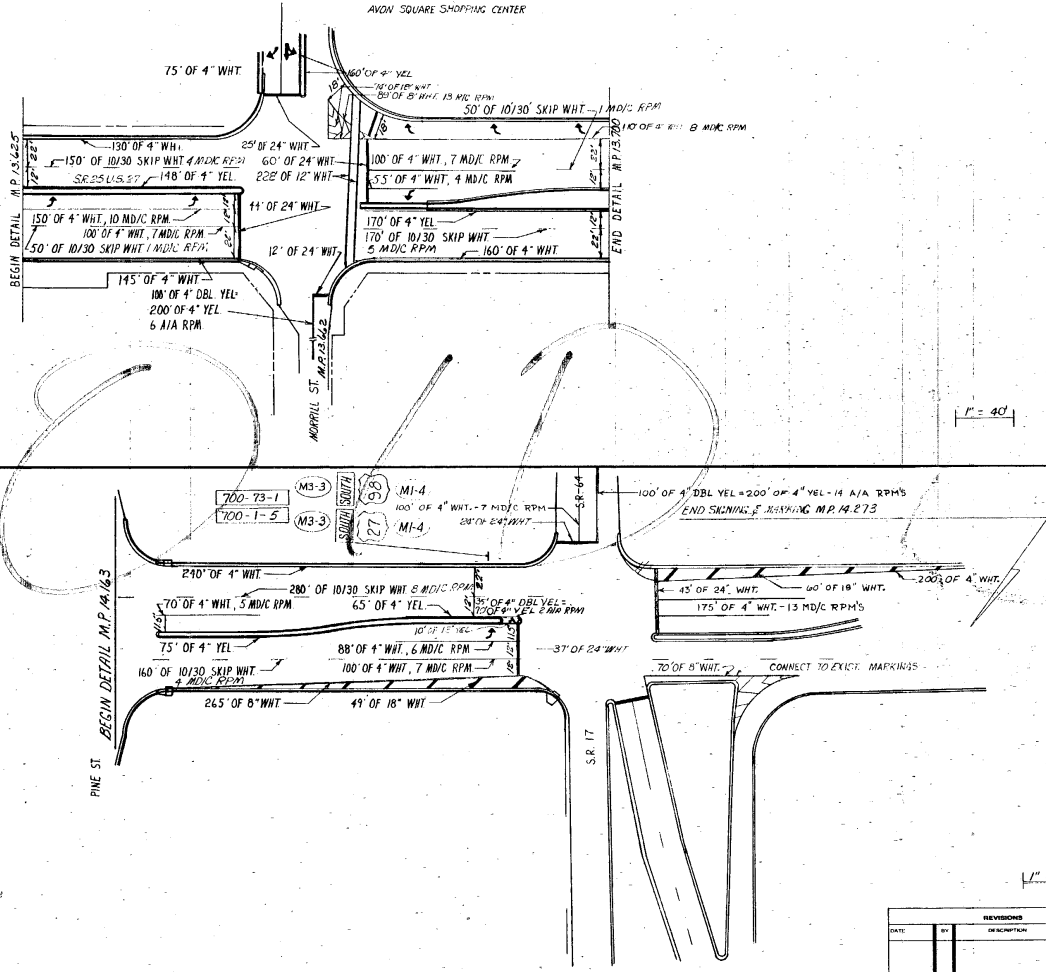
BRUNING 13174



REVISIONS				NAME	DATE
DATE	BY	REVISION	DESIGNED BY	DBJ	7-86
2/24/87	DBJ	ADD 0M-3R,L	CHECKED BY	W	1-87
			DRAWN BY	W	9-86
			APPROVED BY	DBJ	7-86
			APPROVED BY	CKM	7-86
			APPROVED BY	W	9-86

2-26-87

FLORIDA DEPARTMENT OF TRANSPORTATION



REVISIONS		NAME	DATE
DATE	BY		
		CKM	9-86
		CKW	1-87
		HK	9-86
		CKM	9-86
		CKM	9-86
APPROVED BY		DATE	1-14-87

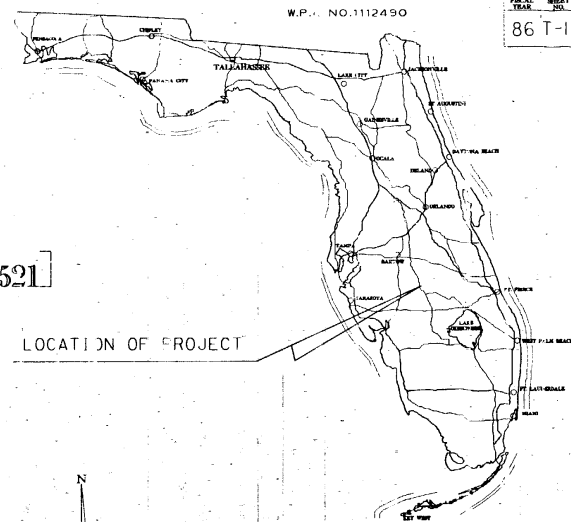
STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

PLANS OF PROPOSED
STATE HIGHWAY

F.A. PROJ. NO. F-399-1(16) [STATE PROJ. NO. 09030-3521]
HIGHLANDS COUNTY
STATE ROAD NO. 25
SIGNALIZATION PLANS

INDEX OF SIGNALIZATION PLANS

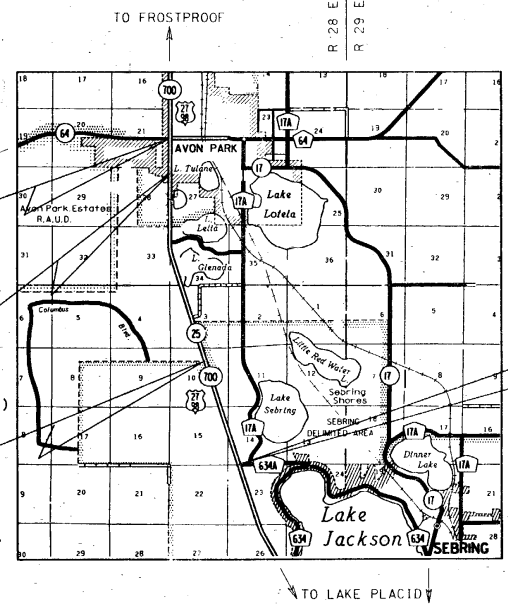
SHEET NO.	SHEET DESCRIPTION
T-1	KEY SHEET
T-2, T-3	TABULATION OF QUANTITIES
T-4 - T-7	SIGNALIZATION PLANS
T-8	CONCRETE STRAIN POLE SCHEDULE / CONVENTIONAL SIGNAL SYMBOLS



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

- 002
- 17721
- 17727
- 17736
- 17764
- 17781
- 17784
- 17841
- 17870

- LOCATION NO. 4
S.R. 25 (U.S. 27) AT
S.R. 64/S.R. 17 (ALT.
27)/MAIN ST.
- LOCATION NO. 3
S.R. 25 (U.S. 27) AT
MORRILL ST. (AVON SQUARE)
- LOCATION NO. 2
S.R. 25 (U.S. 27) AT
VALERIE RD./SUN N' LAKE BLVD.



- LOCATION NO. 1
S.R. 25 (U.S. 27) AT
C.R. 634A (FAIRMOUNT DR.)

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: *[Signature]*
DIRECTOR OF PRECONSTRUCTION AND DESIGN

APPROVED BY: _____
DIVISION ADMINISTRATOR FEDERAL HIGHWAY ADMINISTRATION
DATE: _____

CREW CHIEF : C.R. BINGHAM

SIGNALIZATION PLANS APPROVED BY: *[Signature]*
DATE: 1-14-87

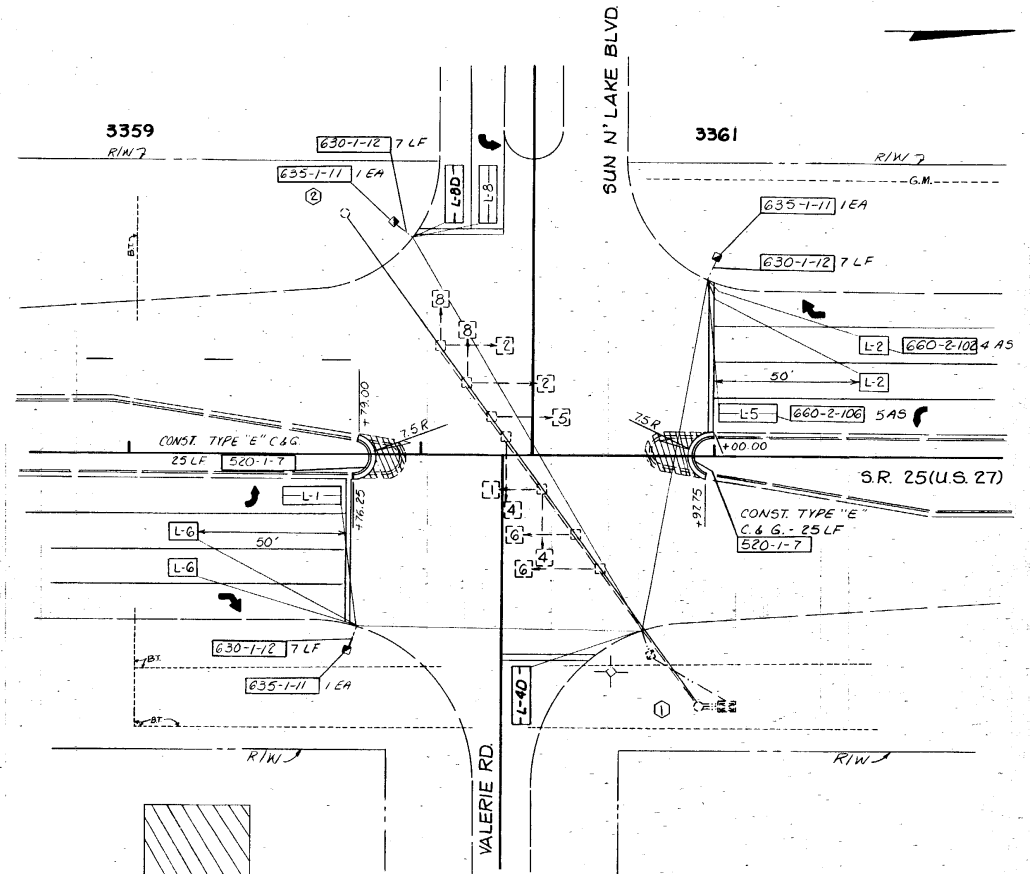
ALL SIGNAL HEADS ARE EXISTING

CONTROLLER OPERATIONS:

1. MAJOR STREET IS S.R. 25 (U.S. 27) AND MINOR STREET IS VALERIE RD./SUN N' LAKE BLVD.
2. STANDARD SIGNAL OPERATING PLAN NO. 7 (EXISTING) WITH THE FOLLOWING:
 - (1) NO SPECIAL FEATURES.

NOTES:

1. EXISTING EQUIPMENT OWNERS - HIGHLANDS COUNTY.
2. FOR PAVEMENT MARKINGS, SEE PAVEMENT MARKING PLANS.
3. SIGNAL TO BE MAINTAINED BY HIGHLANDS COUNTY.



- Proposed Widening**
633-1-2
1. FOR QUANTITIES OF MEDIAN REVISIONS, SEE ROADWAY PLANS.
 2. REMOVAL OF EXISTING CURB & GUTTER TO BE PAID FOR UNDER ITEM NO 520-1-7

LOCATION NO. 2
S.R. 25 (U.S. 27) @ VALERIE RD./
SUN N' LAKE BLVD.
SCALE: 1" = 20'

TIMING FUNCTION	CONTROLLER TIMINGS-EXISTING						DETECTORS FOR LOOPS	
	1	2	3	5	6		LOOP	NO. OF DETS.
MOVEMENT NO.	1	2	4	8	5	6	L-1	1
MIN. GRN. (INT)	7.5	7.5	7.5	7.5	7.5	7.5	L-2	2
EXT. (PASS.)	2.5	2.5	2.5	2.5	2.5	2.5	L-4D	1
MAX. GRN. I	10.0	25.0	15.0	15.0	10.0	25.0	L-5	1
MAX. GRN. II	-	-	-	-	-	-	L-6	2
YELLOW CLR.	3.0	4.0	3.0	3.0	4.0	3.0	L-8	1
ALL RED CLR.	-	2.0	-	-	-	2.0	L-8D	1
PED. WALK	-	-	-	-	-	-	L-	
PED. CLR.	-	-	-	-	-	-	L-	
RECALL	Max.	Max.	-	-	Max.	Max.	L-	

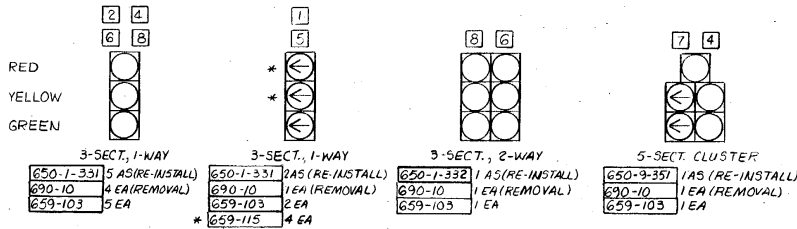
EXISTING

TRAFFIC CONTROL PLAN FOR SIGNAL INSTALLATION - MAINTAIN TRAFFIC ON EXISTING ROADWAY BY USE OF CASE NO. XX11, FIGURE 11.22 OF THE MANUAL ON TRAFFIC CONTROL AND SAFE PRACTICES, 1978.

DATE		BY		DESCRIPTION		REVISIONS		DATE		BY		DESCRIPTION		DESIGNED BY	NAME	DATE	DRAWN BY	NAME	DATE	APPROVED BY	FLORIDA DEPARTMENT OF TRANSPORTATION
														MLM	MLM	10/86	MLM	MLM	9/86		
														CRB	CRB	11/86	CRB	CRB	9/86		

SIGNALIZATION PLANS

DATE 1/14/87



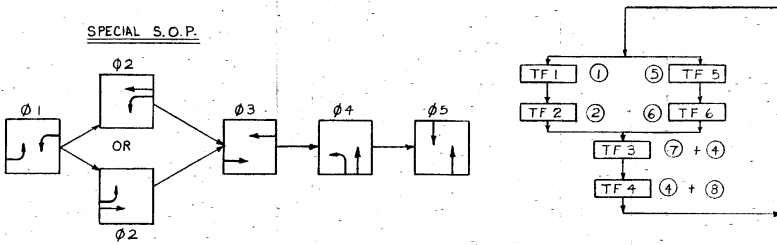
SIGNAL HEAD DETAILS

NOTE 1. SIGNAL HEADS 4, 7/4 AND 5 TO HAVE LOUVERS. 11 REQUIRED. [659-110]
2. ALL SIGNAL HEADS ARE TO HAVE TUNNEL VISORS, 32 REQ'D: [659-106]
3. TRAFFIC SIGNAL HEADS TO BE REMOVED CONSIST OF:
3 3-SECT, 1-WAYS
3 3-SECT, 2-WAYS
1 5-SECT CLUSTER

CONTROLLER OPERATIONS:

- MAJOR STREET 15 SR.25 (US.27) AND MINOR STREET 15 SR. 64 /SR.17 (ALT 27) / MAIN ST.
- SPECIAL SIGNAL OPERATING PLAN WITH THE FOLLOWING:
(i) NO SPECIAL FEATURES.

SPECIAL S.O.P.



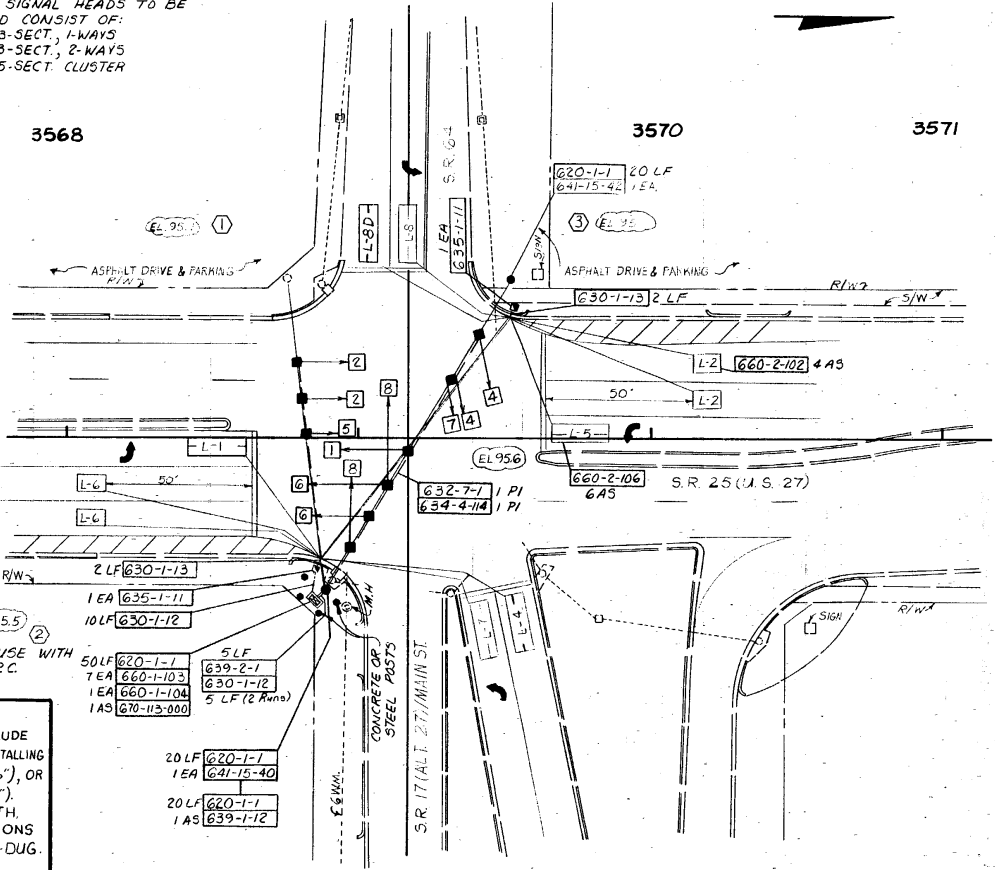
- NOTES:
- EXISTING EQUIPMENT OWNERS: HIGHLANDS COUNTY
 - FOR PAVEMENT MARKING, SEE PAVEMENT MARKINGS PLANS.
 - SIGNAL TO BE MAINTAINED BY HIGHLANDS COUNTY.

NOTE: TIMINGS ARE INITIAL AND MAY REQUIRE FIELD ADJUSTING.

CONTROLLER TIMINGS						
TIMING FUNC.	1	2	3	4	5	6
MOVEMENT NO	1	2	7	4	8	5
MIN. GRN. (INT.)	7.5	7.5	7.5	7.5	7.5	7.5
EXT. (PASS.)	2.5	2.5	2.5	2.5	2.5	2.5
MAX. GRN. I	10.0	20.0	10.0	10.0	10.0	20.0
MAX. GRN. II	-	-	-	-	-	-
YELLOW CLR.	3.5	3.5	3.5	3.5	3.5	3.5
ALL RED CLR.	-	-	-	-	-	-
PED. WALK	-	-	-	-	-	-
PED. CLR.	-	-	-	-	-	-
RECALL	-	MIN	-	-	MIN	-

DETECTORS FOR LOOPS		
LOOP	NO. OF LOOPS	NO. OF DEVS.
L-1	1	1
L-2	2	1
L-4	1	1
L-5	1	1
L-6	2	1
L-7	1	1
L-8	1	1
L-8D	1	1
L-		

ITEM NO. 670-113-000 SHALL INCLUDE THE COST OF FURNISHING AND INSTALLING FOUR (4) CONCRETE POSTS (6"X6"), OR 4 STEEL I-BEAM POSTS (6"X4"). POSTS ARE TO BE 6' IN LENGTH, WITH 3' ABOVE GROUND. LOCATIONS FOR POSTS ARE TO BE HAND-DUG.



LOCATION NO. 4
SR 25 (US 27) @ SR 64 / SR 17 (ALT 27) / MAIN STREET
SCALE: 1" = 20'

DATE	BY	REVISION	DESCRIPTION	DESIGNED	NAME	DATE
				MLM	MLM	11/86
				CRS	CRS	11/86
				SEK	SEK	11/86
				MLM	MLM	11/86
				CKM	CKM	11/86
						1/14/87

FLORIDA DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL PLAN FOR SIGNAL INSTALLATION - MAINTAIN TRAFFIC ON EXISTING ROADWAY BY USE OF CASE NO. XXII, FIGURE II.22 OF THE MANUAL ON TRAFFIC CONTROL AND SAFE PRACTICES, 1978.

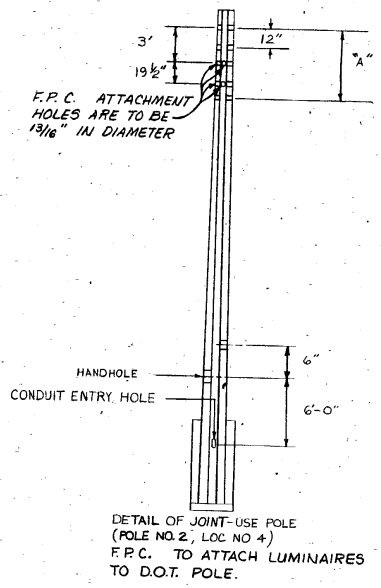
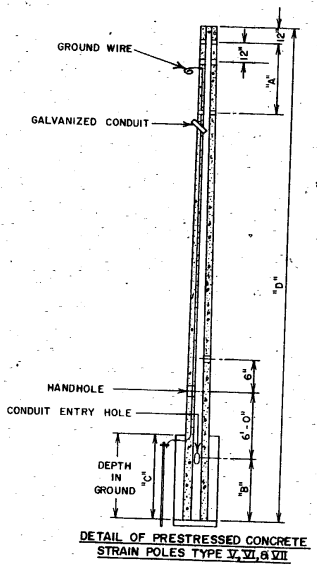
EXISTING	PROPOSED	
		INTERCONNECT CABLE (AERIAL)
		LOOP VEHICLE DETECTOR CABINET (POLE MOUNTED)
		AERIAL JUNCTION BOX
		JUNCTION BOX
		PULL BOX
		TIME DELAY LOOP
		PRESENCE LOOP

CONVENTIONAL SIGNAL SYMBOLS

POLE SCHEDULE

LOCATION	POLE NO.	TYPE	A	B	C	D	ITEM NO.	QUANTITY
1.	1 & 2			EXISTING TO REMAIN				
2	1 & 2			EXISTING TO REMAIN				
3	1 & 2			EXISTING TO REMAIN				
4	1	VI	8'-0"	EXISTING TO REMAIN				
4	2	VI	8'-0"	5'-6"	8'-0"	40'-0"	641-15-40	1
4	3	VI	8'-0"	7'-0"	9'-6"	42'-0"	641-15-42	1

POLE NO. 1, LOC. NO. 4 SHALL HAVE NEW HOLES DRILLED FOR NEW SPAN WIRE AT HEIGHTS OF 23'-6" AND 31'-6", TO BE PAID FOR UNDER ITEM NO. 634-4-114.



CONCRETE STRAIN POLE SCHEDULE AND CONVENTIONAL SIGNAL SYMBOLS

REVISIONS			NAME	DATE
DATE	BY	DESCRIPTION		
	MLM		MLM	9/86
	CAG		CAG	9/86
	MLM		MLM	9/86
	CRB		CRB	9/86
	CKM		CKM	9/86
APPROVED BY:			<i>Small</i>	DATE: 1/18/87

FLORIDA DEPARTMENT OF TRANSPORTATION