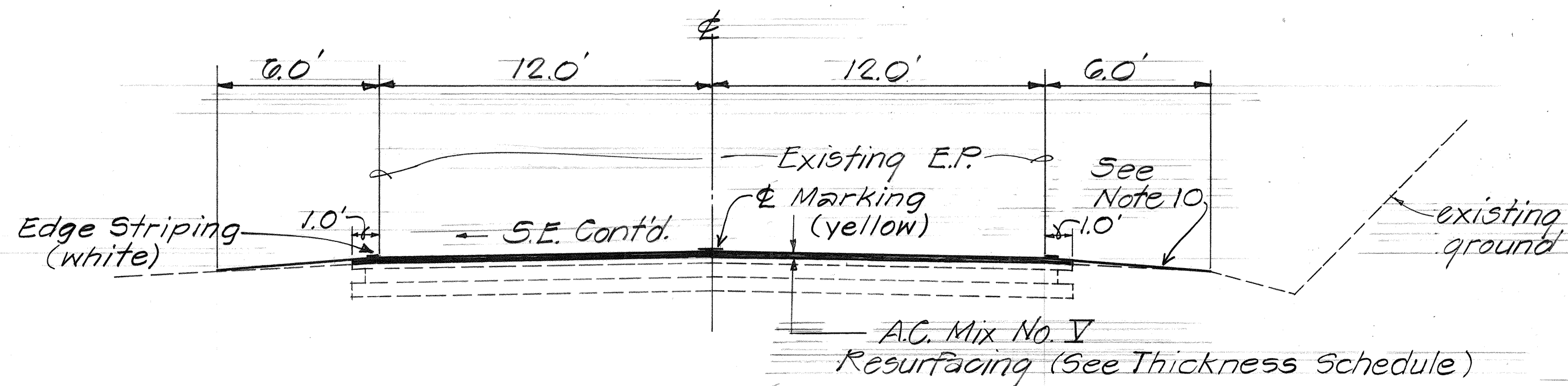
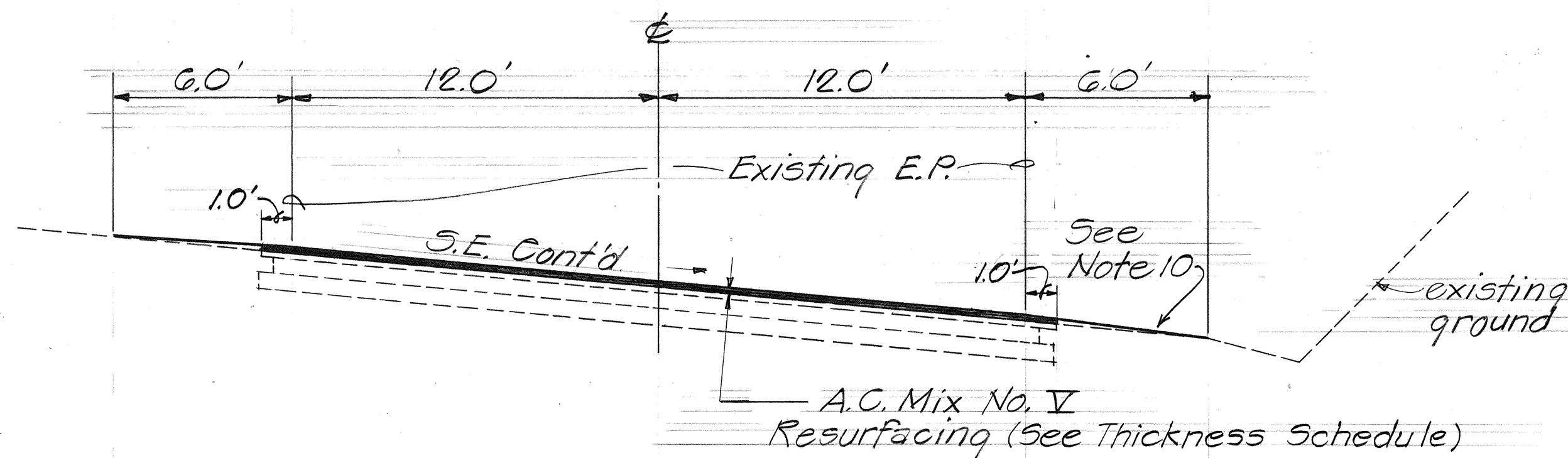


FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	R5-0440(2)	1986	2	2



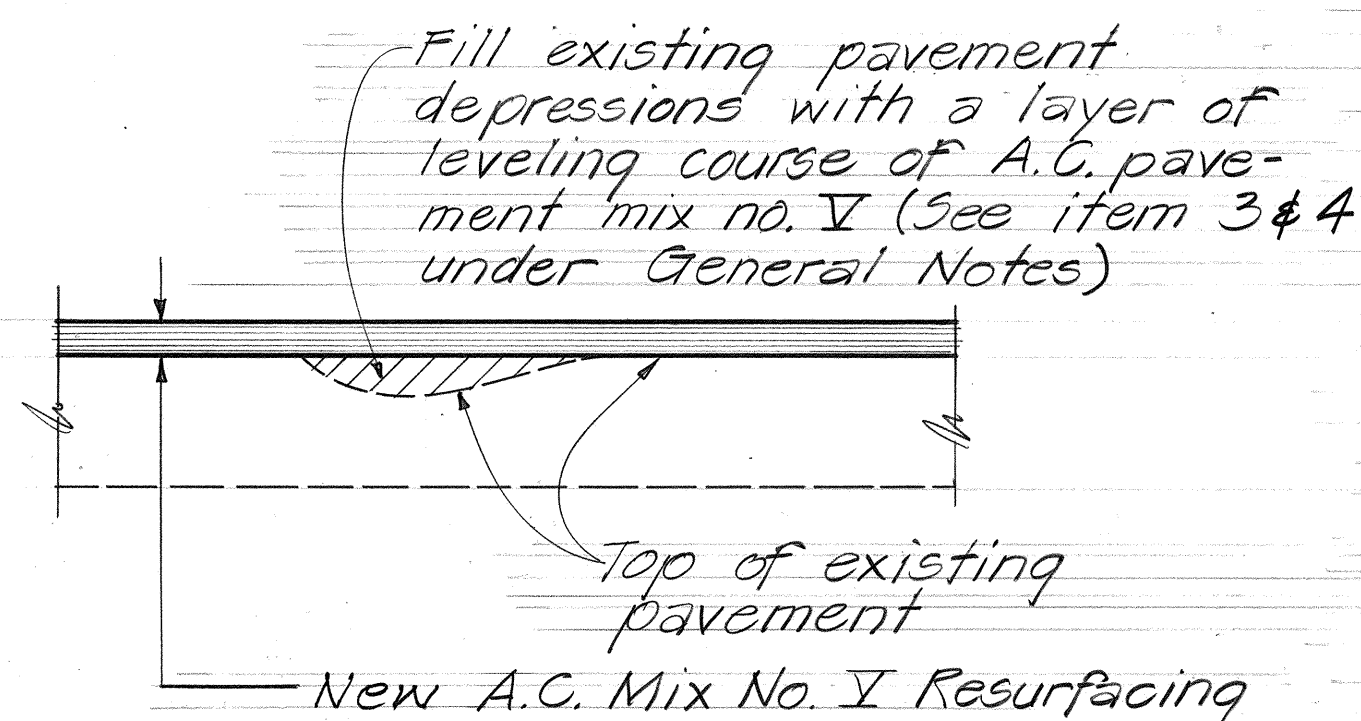
TYPICAL TANGENT SECTION

Scale: 1/4" = 1'-0"



TYPICAL SUPERELEVATED SECTION

Scale: 1/4" = 1'-0"



LEVELING COURSE DETAIL

Not to Scale

*PAVEMENT STRIPING SUMMARY			
STATION TO STATION	4" WHITE (L.F.)	4" YELLOW (L.F.)	4" DOUBLE YELLOW (L.F.)
0+00 - 104+00	32,400		
104+00 - 107+00			10,700
107+00 - 108+50		150	
108+50 - 127+00			
127+00 - 129+50		250	
129+50 - 130+50			2,100
130+50 - 134+50		400	
134+50 - 162+00			
TOTALS	32,400	800	12,800

32,284 587 12,832

RESURFACING THICKNESS SCHEDULE	
STATION TO STATION	THICKNESS
0+00 - 1+80	1 1/2"
1+80 - 104+70	2 1/2"
104+70 - 135+00	1 1/2"
135+00 - 138+40	2 1/2"
138+40 - 146+98	1 1/2"
146+98 - 162+00	2 1/2"

*NOTE

Locations of Passing and No Passing zones will be approved by the Engineer. See General Note no. 8

REGULATORY & WARNING SIGN W/ POST SUMMARY (10 SQ. FT. OR LESS)

STATION	WARNING	REGULATORY	QTY.
2+00 R.H.		R4-1	1
8+50 R.H.	W1-5R		1
24+00 R.H.	W2-2		1
104+00 R.H.		R4-2	1
106+00 L.H.	W1-5L	R4-1	1
108+00 L.H.	W1-5L	R4-1	1
109+00 R.H.	W2-1		1
123+50 L.H.	W2-1		1
125+00 R.H.	W2-1 W2-2		1
126+00 R.H.		R4-1	1
140+50 R.H.	W2-1		1
151+00 R.H.		R4-2	1
153+00 L.H.	W2-1		1
154+00 L.H.		R4-1	1
155+00 R.H.	W2-1		1
TOTAL			15

PAVEMENT MARKER SUMMARY

STATION TO STATION	TYPE D (Each)	TYPE H (Each)	TYPE J (Each)
0+00 - 104+00	535		
107+00 - 108+50	104	4	40
108+50 - 127+00	47		184
127+00 - 129+50	6	6	24
129+50 - 130+50	105		
130+50 - 134+50	10	106	40
134+50 - 162+00	1918		76
TOTALS	726	20	340

737 16 364

CENTERLINE MONUMENTS

STATION ±	STATION ±	STATION ±	STATION ±	STATION ±	STATION ±
0+00	21+70	36+93.84	65+51.28	84+05	128+35
0+50	22+69.59	41+63.69	66+45	88+35	129+36.63
1+50	24+38.99	42+65	67+95	89+33.76	139+91.35
4+12.38	25+40	46+75	68+91.67	94+28.08	140+90
5+10	26+10	47+72.94	72+77	95+30	145+95
11+50	27+10.26	54+84.71	73+75	100+05	146+98.34
12+52.79	28+77.61	55+85	79+50	101+05.60	149+10.84
17+32.04	29+80	60+43	80+48.20	102+88.20	150+15
18+30	35+95	61+39.45	83+40.03	103+90	

GENERAL NOTES:

- This project begins at the Kaumalapau Harbor, M.P. 0 on Kaumalapau Highway and proceeds in an easterly direction toward Lanai City. The overall length of this project is 3.07 miles.
- Improvements consist of roadway resurfacing with asphalt concrete, pavement striping and markers, adjust existing Centerline Monuments and install regulatory and warning signs.
- Prior to placing leveling course or resurfacing, the existing surface shall be cleaned as described in Section 310 of the Standard Specifications and as amended. Payment shall be considered incidental to A.C. Pavement Mix No. V.
- All holes, cracks and large depressions shall be filled, leveled and compacted with A.C. Pavement, Mix No. V prior to resurfacing as directed by the Engineer. Payment shall be made under A.C. Pavement Mix No. V.
- Smooth riding connections shall be constructed at the beginning and the end of the project, at all connecting approaches, and at extra widening as directed by the Engineer. Payment for this work shall be made under A.C. Pavement Mix No. V.
- The Contractor's attention is directed to Sub-section of 104.04 and Section 645 of the Standard Specifications and Section 645 of the Special Provisions concerning maintenance of traffic and Traffic Control.
- Before resurfacing, the Contractor shall remove and dispose of existing raised pavement markers. This work shall be considered incidental to A.C. Pavement Mix No. V.
- The Contractor shall reference all existing pavement markings prior to resurfacing. Final placement of the new pavement markings shall be approved by the Engineer. For installation of pavement markers and striping See Standard Detail DT 300.
- The Contractor shall adjust all existing centerline monuments in accordance with the Standard Detail Sheet DD G13.1. Payment for this work shall be made under Item No. G13.0110, Adjusting Centerline Monuments.
- Existing shoulder shall be dressed by the State Maintenance crew.
- The Contractor shall notify the State, in writing, two weeks prior to starting paving operation.

STATE OF HAWAII DEPARTMENT OF TRANSPORTATION HIGHWAYS DIVISION	
TYPICAL SECTIONS, ESTIMATED QUANTITIES & GENERAL NOTES	
KAUMALAPAU HWY. RESURFACING Kaumalapau Harbor toward Lanai City	
F. A. PROJ. NO. R5-0440(2)	
Scale: As Noted	Date: Sept. 1985
SHEET NO. 1 OF 1 SHEETS	