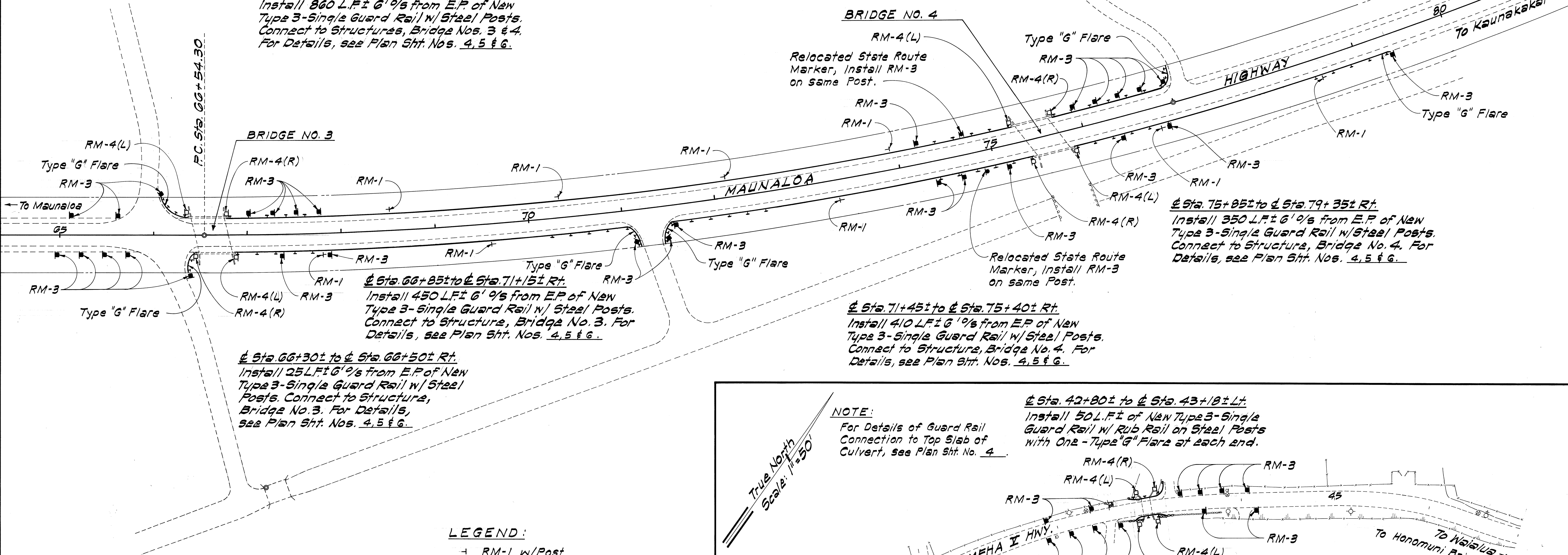


FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	HWY-M-03-82	1982	2	18

± Sta. 66+08± to ± Sta. 66+40± Lt.
 Install 50 L.F. ± 6' 0" from E.P. of New Type 3-Single Guard Rail w/ Steel Posts. Connect to Structure, Bridge No. 3. For Details, see Plan Sht. Nos. 4, 5 & 6.

± Sta. 75+70± to ± Sta. 77+00± Lt.
 Install 165 L.F. ± 6' 0" from E.P. of New Type 3-Single Guard Rail w/ Steel Posts. Connect to Structure, Bridge No. 4. For Details, see Plan Sht. Nos. 4, 5 & 6.

± Sta. 66+80± to ± Sta. 75+25± Lt.
 Install 860 L.F. ± 6' 0" from E.P. of New Type 3-Single Guard Rail w/ Steel Posts. Connect to Structures, Bridge Nos. 3 & 4. For Details, see Plan Sht. Nos. 4, 5 & 6.



± Sta. 66+30± to ± Sta. 66+50± Rt.
 Install 25 L.F. ± 6' 0" from E.P. of New Type 3-Single Guard Rail w/ Steel Posts. Connect to Structure, Bridge No. 3. For Details, see Plan Sht. Nos. 4, 5 & 6.

± Sta. 66+85± to ± Sta. 71+15± Rt.
 Install 450 L.F. ± 6' 0" from E.P. of New Type 3-Single Guard Rail w/ Steel Posts. Connect to Structure, Bridge No. 3. For Details, see Plan Sht. Nos. 4, 5 & 6.

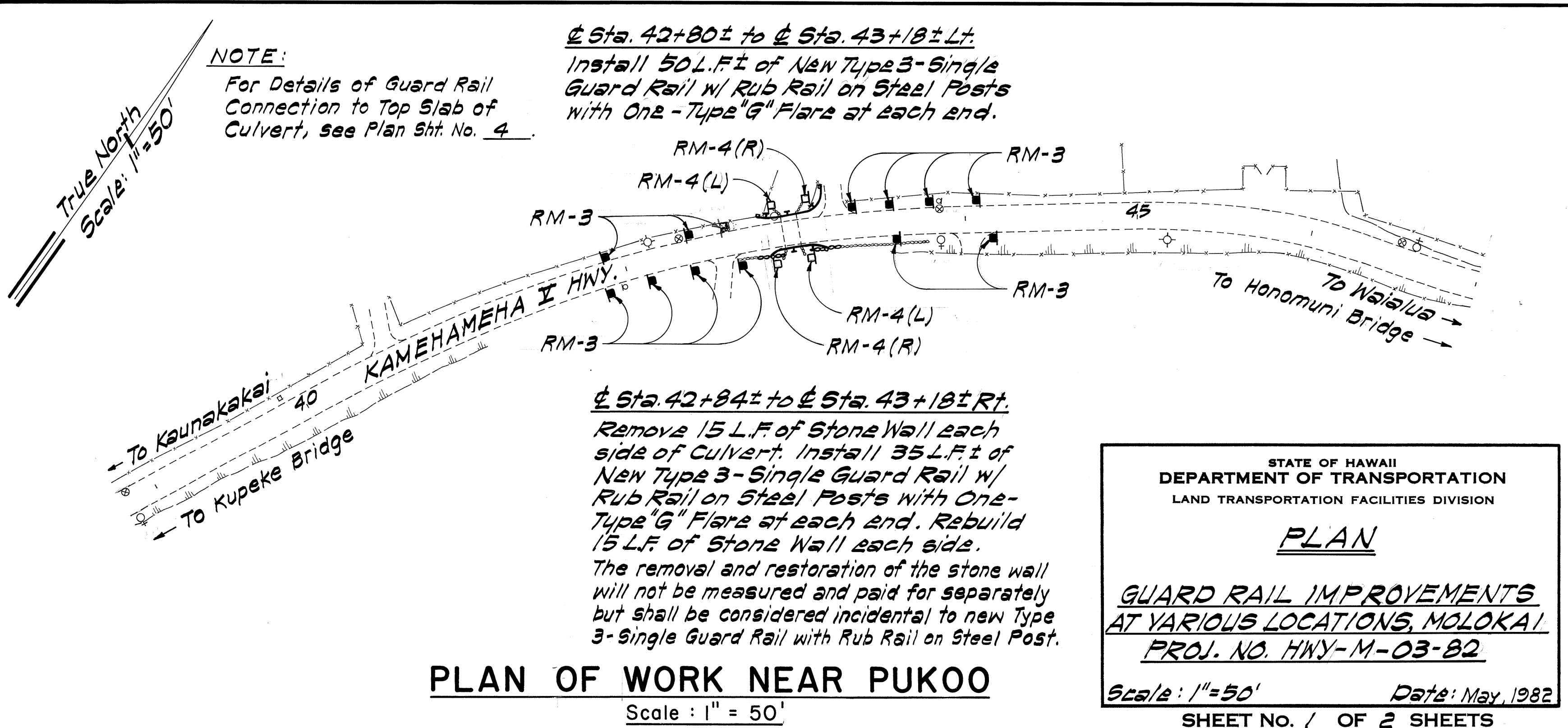
± Sta. 71+45± to ± Sta. 75+40± Rt.
 Install 410 L.F. ± 6' 0" from E.P. of New Type 3-Single Guard Rail w/ Steel Posts. Connect to Structure, Bridge No. 4. For Details, see Plan Sht. Nos. 4, 5 & 6.

± Sta. 75+85± to ± Sta. 79+35± Rt.
 Install 350 L.F. ± 6' 0" from E.P. of New Type 3-Single Guard Rail w/ Steel Posts. Connect to Structure, Bridge No. 4. For Details, see Plan Sht. Nos. 4, 5 & 6.

- LEGEND:**
- RM-1 w/Post
 - RM-3 w/Post
 - RM-4 w/Post
 - Relocated State Route Marker
- For installation of Route & Reflector Markers at locations shown on plans or as directed by the Engineer.

PLAN OF WORK NEAR KAUNAKAKAI
 Scale : 1" = 50'

NOTE:
 For Details of Guard Rail Connection to Top Slab of Culvert, see Plan Sht. No. 4.



± Sta. 42+80± to ± Sta. 43+18± Lt.
 Install 50 L.F. of New Type 3-Single Guard Rail w/ Rub Rail on Steel Posts with One-Type 'G' Flare at each end.

± Sta. 42+84± to ± Sta. 43+18± Rt.
 Remove 15 L.F. of Stone Wall each side of Culvert. Install 35 L.F. of New Type 3-Single Guard Rail w/ Rub Rail on Steel Posts with One-Type 'G' Flare at each end. Rebuild 15 L.F. of Stone Wall each side. The removal and restoration of the stone wall will not be measured and paid for separately but shall be considered incidental to new Type 3-Single Guard Rail with Rub Rail on Steel Post.

PLAN OF WORK NEAR PUKOO
 Scale : 1" = 50'

STATE OF HAWAII
 DEPARTMENT OF TRANSPORTATION
 LAND TRANSPORTATION FACILITIES DIVISION

PLAN
 GUARD RAIL IMPROVEMENTS
 AT VARIOUS LOCATIONS, MOLOKAI
 PROJ. NO. HWY-M-03-82
 Scale : 1" = 50' Date : May, 1982
 SHEET No. 1 OF 2 SHEETS

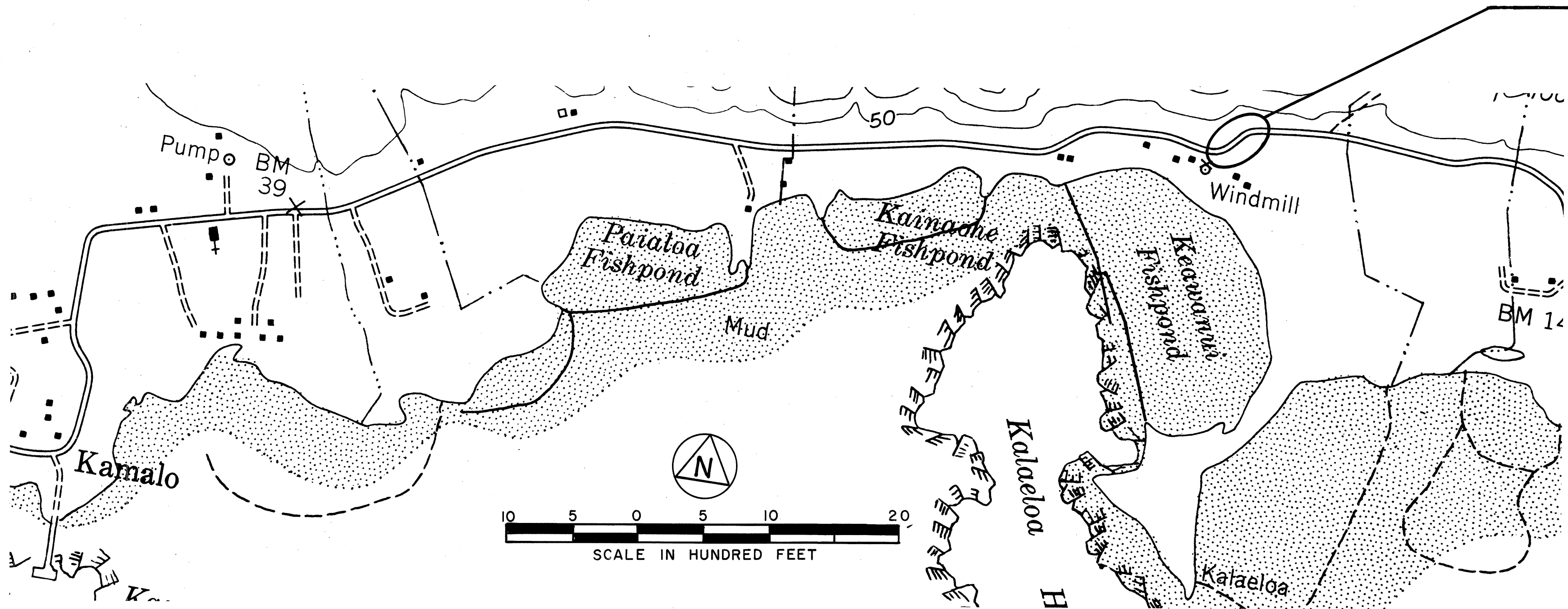
FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	HWY-M-03-82	1982	25-1R	18

PAVEMENT MARKING SCHEDULE			
STATION		DESCRIPTION	QUANTITIES
BEGIN	END		
MOANALUA HWY. - BRIDGE NO. 3 & NO. 4			
58+90	83+25	8" White Edge Stripe - Both Edges	4640 Lin. Ft.
KAMEHAMEHA V HWY. - CULVERT			
42+00	44+00	4 Ea. Type J (Remove) Type D (To Remain) EXISTING	
		Install Type D Type D (To Remain) NEW	
		Type D Pavement Markers	
		4 Each	

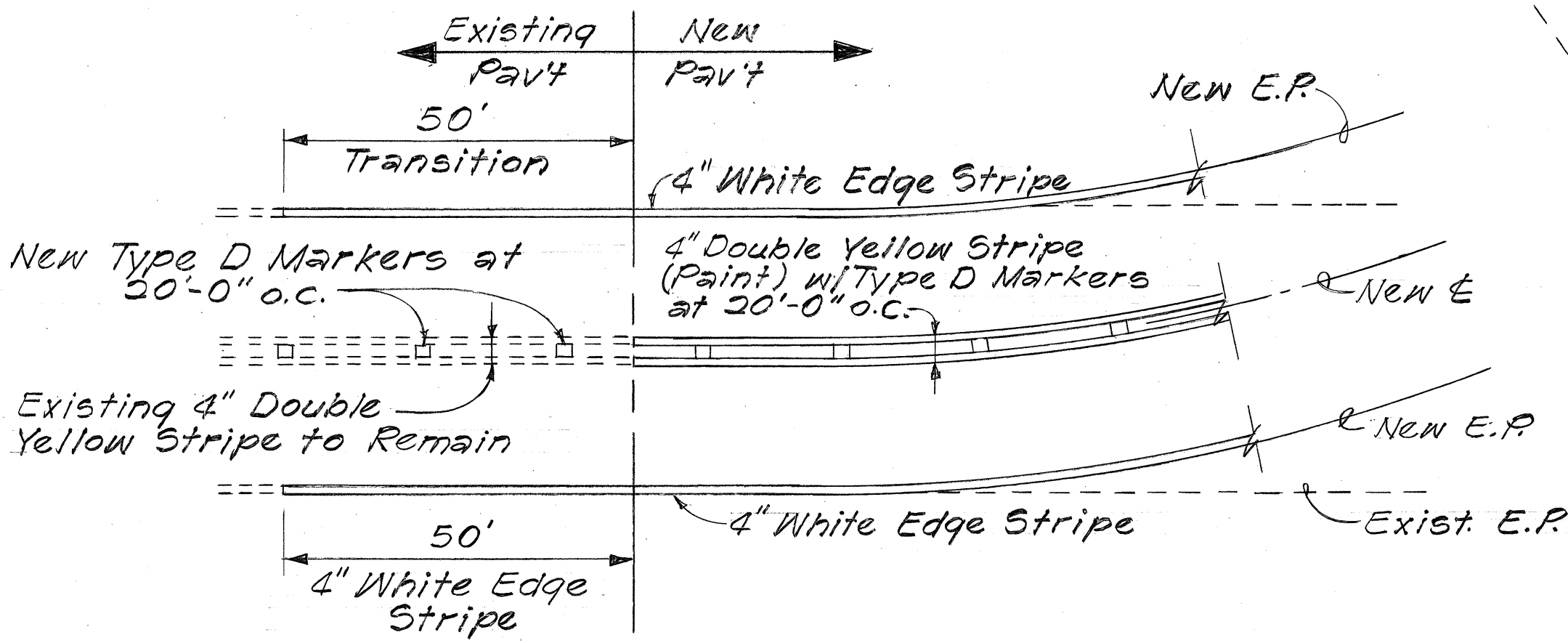
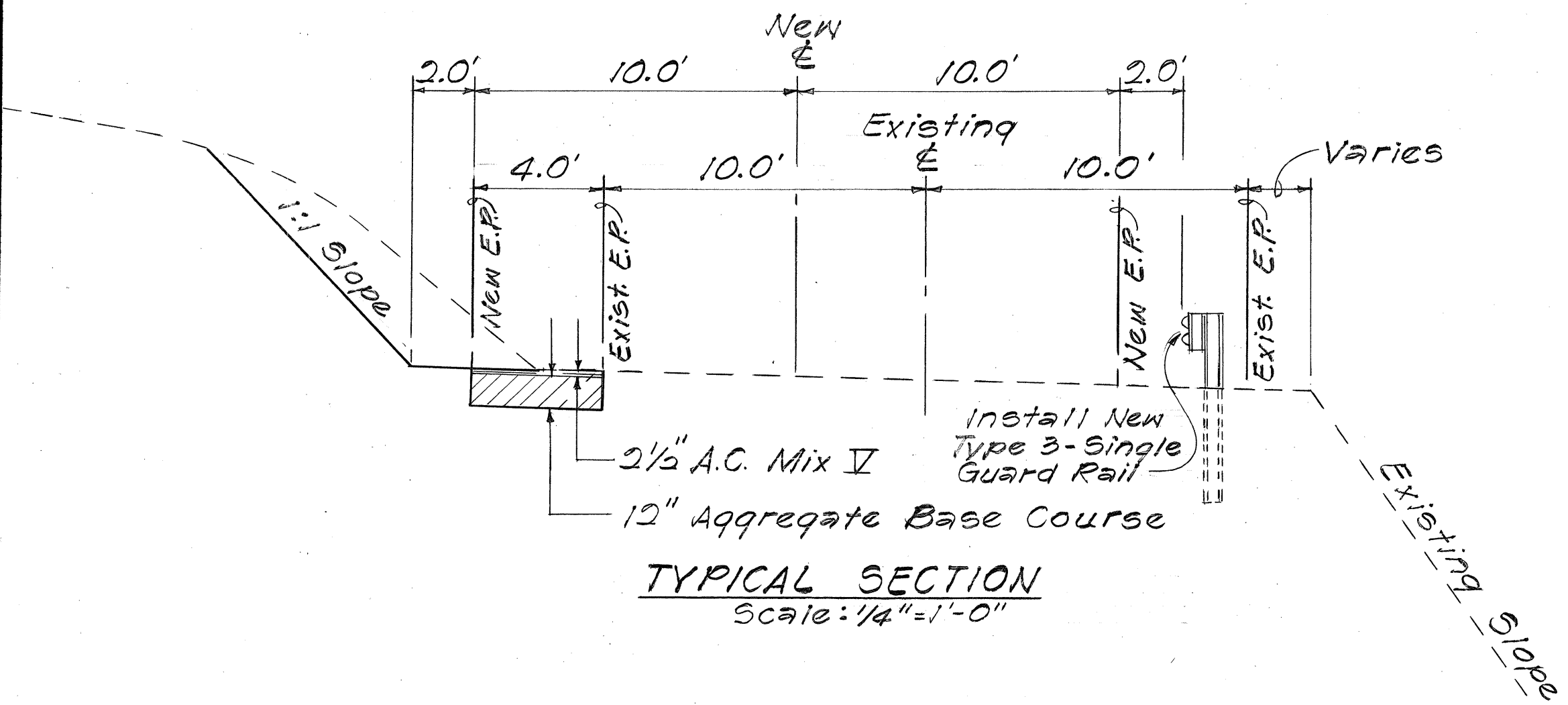
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
LAND TRANSPORTATION FACILITIES DIVISION
PAVEMENT MARKING SCHEDULE
GUARD RAIL IMPROVEMENTS
AT VARIOUS LOCATIONS, MOLOKAI
PROJ. NO. HWY-M-03-82
Not to Scale June, 1982
SHEET No. 1A OF 2 SHEETS

6/25/82	Supplement Sheet prepared for "Pavement Marking Schedule" as required per Addendum.
DATE	REVISION

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	HWY-M-0382	1982	3	18



PLAN OF WORK NEAR KAMALO



PAVEMENT STRIPING DETAIL
Scale: Not to Scale

Excavate existing cut slope as directed by the Engineer. Widen existing pavement as shown in the typical section this sheet and/or as directed by the Engineer. Install 425 L.F. of New Type 3-Single Guard Rail w/Steel Posts. Install new pavement markings as shown in the detail this sheet. For approximate quantities for this work, see Table I this sheet. Quantities shown are approximate and are for bidding purposes only. The Contractor will be paid for the actual quantities needed for the work as determined by the Engineer.

GENERAL NOTES

1. The project consists of installing guard rail, end post connections, pavement striping, reflector markers, roadway excavation, base course and A.C. paving.
2. The elevation of the new pavement at the joint shall be flush with the existing pavement.
3. Pavement markers shall be furnished and installed in accordance with Special Provisions and as shown on the plans or as directed by the Engineer.
4. A 12" water line runs parallel to the road in area of the widening. The Contractor shall use extreme caution when working in this area.
5. Unless otherwise specified, all materials and construction of water system facilities and appurtenances shall be in accordance with the Standard Specifications for Road and Bridge Construction, dated 1970, as Amended, of the Hawaii Highways Division, Department of Transportation.
6. The existence and location of underground utilities and structures as shown on the plans are from the latest available data but is not guaranteed as to the accuracy or the encountering of other obstacles during the course of the work. The Contractor shall be responsible and shall pay for all damages to existing utilities.
7. If there are any existing utilities that need to be relocated, this work shall not be measured and paid for separately but shall be considered incidental to the other items of work.
8. Pavement Markers shall be furnished and installed in accordance with the Special Provisions and as shown on the plans.
9. Pavement Striping shall be furnished and applied in accordance with the Special Provisions and as shown on the plans.
10. Construct new 50' pavement transition from 4' to 0' wide at each end of work area affected by the cut section.

TABLE I

ITEM	APPROXIMATE QUANTITY
Roadway Excavation	204 ±50 Cu. Yd.
Aggregate Base Course	128 ±80 Tons
Asphalt Concrete Pavement	39 ±5 Tons
Guard Rail, Type 3-Single w/Steel Post	400 ±25 L.F.
Type "D" Pavement Marker	28 ±5 Each
4" Double Yellow Stripe (Paint)	500 ±50 L.F.
4" White Edge Stripe (Paint)	1270 ±200 L.F.
RM-3 Reflector Marker w/Post	28 ±3 Each
RM-3 Reflector Marker w/Post (Bi-Directional)	6 Each

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

PLAN
GUARD RAIL IMPROVEMENTS
AT VARIOUS LOCATIONS, MOLOKAI
PROJ. NO. HWY-M-03-82
Scale: As Shown Date: May, 1982
SHEET NO. 2 OF 2 SHEETS

DATE	_____
SURVEY PLANNED BY	_____
DESIGNED BY	_____
CHECKED BY	_____
NOTED BY	_____
ORIGINAL PLAN	_____
NOTE BOOK	_____
NO.	_____