

FED. ROAD DIST.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	RS-0130(24)	2000	34	55

GUARDRAIL SCHEDULE

GUARDRAIL STATION LOCATIONS		LEFT / RIGHT	NEW GUARDRAIL LENGTH (FT.)	GUARDRAIL END TREATMENTS								REMARKS
				MODIFIED TYPE "A-I"		MODIFIED TYPE "G" (RADIUS)		FLEAT 350		ET 2000		
				LEAD	TRAIL	LEAD	TRAIL	LEAD	TRAIL	LEAD	TRAIL	
FROM	TO											
104+10	106+35	L	250	--	--	1(18')	--	--	1	--	--	* - See Note Below
106+70	108+70	L	225	--	--	--	1(18')	1	--	--	--	* - See Note Below
114+30	118+30	L	400	--	--	--	--	1	1	--	--	
127+67.5	134+30	L	662.5	--	--	--	--	1	--	--	1	
137+00	142+25	L	525	--	1	--	--	--	--	1	--	
164+00	173+25	L	925	--	1	--	--	1	--	--	--	
204+60	210+50	R	590	--	--	--	--	--	1	1	--	
228+00	231+50	L	350	--	--	--	--	1	1	--	--	
+	+											
+	+											
+	+											
+	+											
TOTALS			3927.5	2		2		9		3		

\* - Length of guardrail shown includes 25 linear feet wrapped around curve radius, terminating away from the highway.

GUARDRAIL NOTES

1. The locations and limits of guardrails shown on the plans are approximate. The Contractor shall stake-out guardrail locations in the field for acceptance by the Engineer.
2. Unless otherwise noted all guardrail elements shall be 12' - 6" nominal length.
3. For all Modified Type 'G' end treatments:

a) Provide a curve radius to extend the flare away from the travelway.

b) Use the 'Rounded End Section' in lieu of the 'Flared End Section' (Refer to Plan Sheet 37).
4. See Sheet 47 for paving under guardrail details.
5. All existing posts and guardrails designated for removal shall be disposed of by the contractor at no cost to the State. This work shall be considered incidental to the contract Item No. 606.3110 - Strong Post W-Beam Guardrail.
6. The Contractor shall provide new edge of pavement striping (equal or better than existing) and Type 'C' markers at each work site destroyed by his operation as determined by the Engineer. The Contractor shall also replace striping or reflector markers damaged by his operations. Payment for this work shall be incidental to various Contract Items.
7. Removal and reinstallation or relocation of existing signs for the purpose of guardrail removal and installation shall be incidental to Item No. 606.3110 - Strong Post W-Beam Guardrail. Signs damaged by the contractor's operations shall be repaired or replaced at no cost to the State.
8. All end treatments (Terminal, modified "A-I", "G", Fleat 350, etc.) not completed by day's end shall be properly shielded with approved Barriers as directed by the Engineer. Payment for use of the Barrier shall be considered incidental to guardrail installation.
9. Replacement of existing guardrails shall be completed within the same day. No unshielded areas shall be permitted at the end of the work day.
10. At new guardrail locations, Contractor shall not leave unshielded posts exposed to public travel. Contractor shall at least install rail elements on posts at the end of each work day.
11. References on the plans to Standard Metal Guardrails and Posts shall be considered the same as Strong Post W-Beam Guardrail.

ORIGINAL PLAN	SURVEY PLOTTED BY	DATE
DRAWN BY		
DESIGNED BY		
CHECKED BY		
NOTED BY		
DATE		

STATE OF HAWAII  
DEPARTMENT OF TRANSPORTATION  
HIGHWAYS DIVISION

GUARDRAIL SCHEDULE

KEA'AU-PĀHOA ROAD  
PARADISE PARK SECTION-PHASE II & III  
F.A. PROJECT NO. RS-0130(24)

Scale: Noted      Date: May, 2000

SHEET No. 1 OF 1 SHEETS