

DATE _____
SURVEY PLOTTED BY _____
DRAWN BY _____
CHECKED BY _____
ORIGINAL PLAN _____
NOTE BOOK _____
NO. _____

GUARDRAIL SCHEDULE

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	RS-0377(2)	1986	12	30

LIMITS - STA. TO STA.	OFFSET FROM NEW E.P.	APPROXIMATE QUANTITIES									
		Feet	Lin. Ft.	Each	Each	Each	Each	Lin. Ft.	Lin. Ft.	Each	
0+15 - 16 1+25 - 2+20 Rt.		4.0	201 100	1			1				
1+37 - 2+42 Lt.		4.0	25 22	2			2				
5+89 - 9+15 Rt.		6.0	326 330	1			1				
24+75 - 25+95 Rt. 20+42-26+06		5.0	104 39		1	1					
25+73 - 26+83 Lt.								101			
29+47 - 30+48 Rt.											
29+00 - 30+50 Rt.		5.0	144 155		1		1				
31+01 - 31+52 Lt.		4.0	50.6 97			1					
31+00 - 31+46 Rt.								46			
30+90 - 31+47 Rt.		4.0	63 62				1				
HAPAPA BRIDGE 31+47 - 31+72 Lt. & Rt. (For Detail see Plan Sht. No. 15)								44			
31+78 - 32+30 Lt.								52			
31+72 - 32+56 Lt.		4.0	88 89				1				
31+72 - 33+60 Rt.		4.0	50.4 193				1				
31+61 - 32+41 - 33+67 Rt.		6.0	101 235 313.6	1			1				
50+52 - 51+01 Rt.								49			
50+75 - 51+05 Lt.		5.0	50.7 30	1							
50+80 - 51+05 Lt.		4.0	38.1 25			1					
PULEHU BRIDGE 51+05 - 51+41 Lt. & Rt. (For Detail see Plan Sht. No. 15)								63			
51+45 - 51+63 Lt.								25			
51+41 - 51+70 Lt.		4.0	50.8 34				1				
51+41 - 51+63 Rt.								22			
51+41 - 51+71 Rt.		5.0	37.8 30			1					
73+50 - 77+00 Rt.		6.0	362.7 350		1	1					
76+25 - 76+75 Lt.		4.0	104 50		1	1					
80+15 - 80+95 Lt.		6.0	88.5 30	1		1					
80+80 - 81+30 Rt.		6.0	113.5 50	1		1					
86+00 - 87+35 Lt.		5.0	151 135	2							
SUB-TOTAL NO. 1			3002.3 1902	9	4	7	14	295	107	-	

LIMITS - STA. TO STA.	OFFSET FROM NEW E.P.	APPROXIMATE QUANTITIES									
		Feet	Lin. Ft.	Each	Each	Each	Each	Lin. Ft.	Lin. Ft.	Each	
86+30 - 89+20 Rt.								290			
86+55 - 89+90 Rt.	4.0	338 335		2							
92+60 - 96+00 Rt.	4.0	313 345				1		1			
98+90 - 99+30 Lt.								40			
98+70 - 99+50 Lt.	6.0	101 85				1		1			
98+80 - 99+35 Rt.	5.0	64 30		1		1					
100+45 - 101+10 Lt.	6.0	75 65				1	1				
100+70 - 101+45 Rt.	4.0	101 75				1	1				
103+25 - 105+90 Rt.	6.0	14 250 265		2		+					
110+24 - 111+66 Lt.								142			
109+60 - 112+25 Lt.	6.0	251.6 225		1		1	+				
109+98 - 112+28 Rt.								230			
107+96 - 112+60 Rt.	6.0	438.5 465		1			1				
120+13 - 120+60 Rt.								47			
121+15 - 122+35 Rt.								120			
120+79 - 123+00 Rt.	6.0	113.5 350	29.5		+	1	1				
121+10 - 122+45 Lt.	6.0	113.7 170		1		+	1				
125+15 - 125+75 Lt.	3.0	62.5 60		1		+	1				
125+30 - 126+40 Rt.	6.0	137.5 110				1		1			
131+73 - 134+43 Rt.								270			
131+88 - 134+43 Lt.								55			
136+00 - 136+30 Rt.								30			
SUB-TOTAL NO. 2		2580.8 2580	9	8	4	7	1224	-	-		

NOTE: Type "G" Flare shall be 10' radius bend with rounded end section.

6/25/86 Plan Sheet References Added
per Addendum No. 1.
DATE REVISION

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION
GUARDRAIL SCHEDULE
KEKAULIKE AVENUE IMPROVEMENTS
HALEAKALA CRATER RD. TO KULA HWY.
F.A. Project No. RS-0377(E)
Date: Apr. 1986
SHEET No. 18 OF 11 SHEETS

DATE _____
SURVEY PLOTTED BY _____
DRAWN BY _____
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ORIGINAL PLAN _____
NOTE BOOK _____
NO. _____

GUARDRAIL SCHEDULE

LIMITS - to STA. TO to STA.	OFFSET FROM NEW E.P.	APPROXIMATE QUANTITIES								
		Install New Guard-rail, Type 3 - Single with Steel Posts	Terminal Section Type BCT	Type "C" Flare	Type "F" Flare	Type "G" Flare	Remove Existing Guardrail with Concrete Posts	Type A Connection	Guardrail Connection to Exist. End Post	
	Feet	Lin. Ft.	Each	Each	Each	Each	Lin. Ft.	Lin. Ft.	Each	
136+00± - 136+52± Lt.							52			
ALAE BRIDGE										
131+65± - 134+50± Rt.	4.0	282.7				1			1	
133+45± - 134+50± Lt.	4.0	51.2	1			1			1	
136+00± - 136+30± Rt.	4.0	88.5				1			1	
136+00± - 136+25± Lt.	4.0	25.2	1						1	
(For Detail see Plan Sht. No. 14)										
137+64± - 138+01± Rt.							37			
137+58± - 138+08± Rt.	4.0	49.7		1						
137+74± - 137+96± Lt.							22			
137+62± - 138+00± Lt.	4.0	37.5			1					
KANOULU BRIDGE								56		
138+01± - 138+31± Lt. & Rt.										
(For Detail see Plan Sht. No. 15)										
138+34± - 138+57± Rt.							23			
138+36± - 139+06± Rt.	4.0	75.7			1					
138+31± - 138+79± Lt.							48			
138+28± - 138+78± Lt.	4.0	50		1						
144+80 - 146+94		200								
146+00± - 147+00± Rt.	6.0	105	1			1				
147+30± - 155+00± Rt.	6.0	881.2			1	1				
156+31 - 159± Rt.	6.0	851.5			1	1				
5+75 - 4+39± Lt.	6.0	38.5	2							
3+11 - 2+60± Lt.	4.0	26	1			1				
SUB-TOTAL NO. 3		2,663.7	6	3	4	5	182	56	4	
SUB-TOTAL NO. 1		3,002.3	9	4	7	14	295	107	-	
SUB-TOTAL NO. 2		2,588.8	5	10	6	5	1,224	-	-	
TOTAL		8,254.8	24	15	15	26	1,701	163	4	

NOTE: Type "G" Flare shall be 10' radius bend with rounded end section.

MAILBOX RELOCATION SCHEDULE

LOCATION	NEW # OFFSET	LOCATION	NEW # OFFSET
17 + 46±	18' Lt.	124 + 90±	BEHIND GUARDRAIL
32 + 81±	18' "	124 + 93±	BEHIND GUARDRAIL
34 + 60±	18' "	125 + 96±	BEHIND GUARDRAIL
35 + 75±	18' "	126 + 01±	BEHIND GUARDRAIL
36 + 91±	18' "	126 + 82±	18' Lt.
41 + 21±	18' "	126 + 85±	18' "
43 + 32±	18' "	126 + 89±	18' "
53 + 14±	18' "	126 + 92±	18' "
56 + 16±	18' "	127 + 60±	18' "
65 + 44±	18' "	2 + 66±	BEHIND GUARDRAIL
66 + 33±	18' "	2 + 64±	BEHIND GUARDRAIL
66 + 38±	18' "		
66 + 40±	18' "		
66 + 42±	18' "		
66 + 44±	18' "		
85 + 86±	18' "		
90 + 78±	18' "		
95 + 85±	18' "		
107 + 69±	18' "		
114 + 73±	18' "		
114 + 88±	18' "		
124 + 43±	18' "		
124 + 47±	18' "		
124 + 49±	18' "		
124 + 53±	18' "		

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	RS-0377(2)	1986	13	39

01/25/86 Plan Sheet References Added per Addendum No. 1.
DATE REVISION

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

GUARDRAIL & MAILBOX SCHEDULE

KEKAULIKE AVENUE IMPROVEMENTS
HALEAKALA CRATER RD. TO KULA HWY.
F.A. Project No. RS-0377(2)

Date: Apr, 1986

SHEET No. 28 OF 11 SHEETS