

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	STP-056-1-(43)	2000	20	42

GUARDRAIL WORK SUMMARY																								
SHT. NO.S	REMOVE GUARDRAILS, W/ STEEL POSTS				REMOVE GUARDRAILS, W/ CONCRETE POSTS				GUARDRAILS, TYPE 3, SINGLE W/ STEEL POSTS				GUARDRAILS, TYPE 3, SINGLE W/ RUB RAIL ON STEEL POSTS				FLEAT -350	TYPE A	TYPE G	QUADGUARDS				
	BEG	END	O/S	LENGTH	BEG	END	O/S	LENGTH	BEG	END	O/S	LENGTH	BEG	END	O/S	LENGTH				LOCATION	O/S	QS2402Y	QS2406Y	
5	139+70	139+95	Lt	25					139+70	139+88.75	Lt	18.75						1	140+00	Lt	1			
6	392+90		Rt	37.5													1							
6	397+10	338+10	Rt	100					397+47.5	397+72.5	Rt	25					1							
6					397+45	397+90	Lt	45	397+50	397+62.5	Lt	12.5					1							
6	397+50		Lt	37.5													1							
6	402+00		Lt	37.5													1							
6																			402+20	Rt	1			
6	402+20	403+20	Lt	100					402+57.5	402+82.5	Lt	25					1							
6	404+00		Rt	37.5													1							
7																			412+80	Rt	1			
7																			416+70	Rt	1			
8	-0+20	1+55	Lt	175					0+05	1+30	Lt	125					1							
8	0+75	1+75	Rt	100					1+12.5	1+50	Rt	37.5					1							
8	3+05	4+05	Lt	100																				
8	3+05	4+55	Lt	150					3+30	4+17.5	Lt	87.5					1		3+20	Rt	1			
9	105+15	105+65	Rt	50													1							
9	105+08	105+83	Lt	75					105+33	105+45.5	Lt	12.5					1							
9	102+80	103+05	Rt	25																				
9	102+69	102+94	Lt	25																				
10	84+87.5	85+50	Lt	62.5					84+87.5	85+25	Lt	37.5												
10	84+87.5	85+50	Rt	62.5					84+95	85+32.5	Rt	37.5												
10	88+00	88+62.5	Lt	62.5					88+25	88+62.5	Lt	37.5												
10	88+00	88+62.5	Rt	62.5					88+25	88+62.5	Rt	37.5												
11	98+97.5	99+60	Lt	62.5					99+10	99+35	Lt	25					1							
11	99+07.5	99+70	Rt	62.5					98+95	99+45	Rt	50					1							
11	100+00	101+50	Lt	150					100+25	101+12.5	Lt	87.5					1							
11	100+10	101+47.5	Rt	137.5					100+35	101+47.5	Rt	112.5												
12	26+00	26+50	Rt	50									25+88±	26+13±	Rt	25		1						
12													25+88±	26+13±	Lt	25		1						
12													35+00±	35+25	Rt	25		1						
12					35+31	36+81	Lt	150	35+00±	36+87.5±	Lt	187.5												
TOTALS				1787.5					195					956.25					75	15	3	1		

CONCRETE RAMP QUANTITY SUMMARY						
SHT. NO.	LOCATION	QUAN.	CURB HIGHT IN.	RAMP LENGTH FT.	RAMP WIDTH FT.	TOTAL VOL. CY
6	WAILUA BR.	4	8	8	3	2.5
8	KEALIA BR.	4	8	8	4	3.5
11	KALIHIWAI BR.	4	12	12	2	3.0
TOTAL						9.0

ORIGINAL PLAN	SURVEY PLOTTED BY	DATE
	DRAWN BY J. Iuraida	Mon Aug 31, 1998
	DESIGNED BY J. Iuraida	
	CHECKED BY J. Iuraida	
NOTE BOOK		
J. Iuraida		
J. Iuraida		

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

QUANTITY SUMMARIES

KUHIO HIGHWAY - Guardrail and Shoulder
Improvements at Various Locations

FEDERAL AID PROJECT NO. STP-056-1-(43)

Scale: As Shown Date: Nov., 1998

SHEET No. 1 OF 1 SHEETS