

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	STP-050-1-(22)	2001	23	24

GUARDRAIL WORK SUMMARY

SHT. NO.	REMOVE GUARDRAILS, W/ STEEL POSTS				REMOVE TERMINAL ENDS			GUARDRAIL, STRONG POST, W/ W-BEAM				GUARDRAIL, STRONG POST, W/ W-BEAM (8' POSTS)				STRONG POST MODIFIED THRIE-BEAM GUARDRAIL				FLEAT - 350	MOD. TYPE G
	BEG	END	O/S	LENGTH	TYPE 'D' (mounded)	TYPE 'C'/'F'	BCT	BEG	END	O/S	LENGTH	BEG	END	O/S	LENGTH	BEG	END	O/S	LENGTH		
4	250+67	251+67	Lt	100	1			251+04.5	251+67	Lt	62.5									1	
	251+67	251+92	Lt	25*				251+67	251+92	Lt	25**										
	251+92	253+67	Lt	175	1			251+92	253+29.5	Lt	137.5									1	
	250+23	251+60.5	Rt	137.5	1			250+60.5	251+60.5	Rt	100									1	
	251+60.5	251+85.5	Rt	25*				251+60.5	251+85.5	Rt	25**										
	251+85.5	252+85.5	Rt	100	1			251+85.5	252+48	Rt	62.5									1	
5	261+25	266+00	Lt	475				261+25	265+37.5	Lt	412.5									1	
	262+75	266+00	Rt	362.5				263+00	266+00	Rt	337.5	262+75	263+00	Rt	25						1
6	18+25	19+00	Lt	75				18+25	18+75	Lt	50					18+75	19+00	Lt	25		
	19+82.5	21+20	Lt	137.5				20+07.5	21+20	Lt	112.5					19+82.5	20+07.5	Lt	25		
	18+37.5	19+00	Rt	62.5				18+37.5	18+75	Rt	37.5					18+75	19+00	Rt	25		
	19+82.5	20+20	Rt	37.5				20+07.5	20+20	Rt	12.5					19+82.5	20+07.5	Rt	25		
7	62+15	65+15	Lt	300		1		62+15	65+15	Lt	300									1	
	79+10	85+85	Lt	675		2		79+10	85+35	Lt	625									2	
	62+15	65+90	Rt	375		1		62+15	65+90	Rt	375									1	
	79+60	85+22.5	Rt	562.5		2		79+60	84+72.5	Rt	512.5									2	
8	87+80	89+55	Lt	175				88+30	89+30	Lt	100					89+30	89+55	Lt	25	1	
	94+80	96+17.5	Lt	137.5			1	95+05	95+80	Lt	75					94+80	95+05	Lt	25	1	
	110+50	111+50	Lt	100				110+50	111+50	Lt	100									2	
	88+97.5	90+10	Rt	112.5				89+22.5	89+85	Rt	62.5					89+85	90+10	Rt	25	1	
	95+40	97+02.5	Rt	162.5				95+65	97+02.5	Rt	137.5					95+40	95+65	Rt	25	1	
	107+15	110+90	Rt	375		1	1	107+52.5	109+90	Rt	237.5	109+90	110+90	Rt	100					1	
								110+90	111+02.5	Rt	12.5									1	
9	117+20	121+82.5	Lt	462.5			2	1118+95	119+95	Lt	100	117+57.5	118+95	Lt	137.5					2	
												119+95	121+57.5	Lt	162.5						
	127+22.5	133+47.5	Lt	625			2	127+60	127+97.5	Lt	37.5	127+97.5	132+72.5	Lt	475					2	
								132+72.5	133+10	Lt	37.5										
	113+32.5	121+70	Rt	837.5			2	113+70	115+45	Rt	175	115+45	121+70	Rt	625					2	
	127+95	133+20	Rt	525		2		127+95	128+70	Rt	75	128+70	131+45	Rt	275					2	
10	140+85	142+72.5	Lt	187.5		1	1	141+10	141+22.5	Lt	12.5	141+22.5	141+85	Lt	62.5					1	
								141+85	142+35	Lt	50									1	
	144+10	147+72.5	Lt	362.5		2		144+47.5	144+60	Lt	12.5	144+60	144+85	Lt	25					1	
								144+85	146+85	Lt	200	146+85	147+35	Lt	50					1	
	140+97.5	142+72.5	Rt	175		1	1	140+85	141+35	Rt	50	141+35	141+85	Rt	50					1	
								141+85	142+35	Rt	50									1	
	144+10	147+72.5	Rt	362.5		2		144+47.5	144+60	Rt	12.5	144+60	144+85	Rt	25					1	
								144+85	146+60	Rt	175	146+60	147+22.5	Rt	62.5					1	
	154+00	156+87.5	Lt	287.5				154+37.5	154+75	Lt	37.5	154+75	156+25	Lt	150					1	
								156+25	156+50	Lt	25									1	
	154+50	156+62.5	Rt	212.5			2	154+75	155+12.5	Rt	37.5	155+12.5	156+37.5	Rt	125					1	
								156+37.5	156+75	Rt	37.5									1	

*Remove guardrail only. Post to remain. Removal shall be paid Under Item No. 202.0430, Removal of Guardrail and Steel Posts.

**Install guardrail on existing steel posts. Work shall be paid Under Item No. 606.3130 Installation of Guardrail, Strong Post w/W-Beam.

See Plan Sheet No. 24 For Totals

ORIGINAL PLAN	DATE
NOTED BY	
DESIGNED BY	
CHECKED BY	
IN CHARGE	

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

QUANTITY SUMMARIES

KAUMUALII HIGHWAY GUARDRAIL AND
SHOULDER IMPROVEMENTS
AT VARIOUS LOCATIONS

FED. AID PROJECT NO. STP-050-1-(22)

Scale: As Shown Date: August, 2000

SHEET No. 1 OF 1 SHEETS

GUARDRAIL WORK SUMMARY																							
SHT. NO.	REMOVE GUARDRAILS, W/ STEEL POSTS				REMOVE TERMINAL ENDS			GUARDRAIL, STRONG POST, W/ W-BEAM				GUARDRAIL, STRONG POST, W/ W-BEAM (8' POSTS)				STRONG POST MODIFIED THRIE-BEAM GUARDRAIL				FLEAT - 350			
	BEG	END	O/S	LENGTH	TYPE 'D' (mounded)	TYPE C/F	BCT	BEG	END	O/S	LENGTH	BEG	END	O/S	LENGTH	BEG	END	O/S	LENGTH				
11	160+52.5	162+15	Lt	162.5		2		160+90	161+27.5	Lt	37.5	161+27.5	161+52.5	Lt	25					1			
								161+52.5	161+77.5	Lt	25									1			
	166+50	169+12.5	Lt	262.5			2	166+50	166+87.5	Lt	37.5	166+87.5	167+12.5	Lt	25					1			
								167+12.5	168+75	Lt	162.5									1			
	160+65	162+90	Rt	225		2		161+02.5	161+27.5	Rt	25	161+27.5	161+65	Rt	37.5					1			
								161+65	162+52.5	Rt	87.5									1			
	166+30	168+30	Rt	200			2	166+55	166+80	Rt	25	166+80	167+05	Rt	25					1			
							167+05	167+92.5	Rt	87.5									1				
	188+00	194+00	Lt	600			2	188+00	190+75	Lt	275	190+75	193+75	Lt	300					2			
12	209+05	214+67.5	Lt	562.5			1	210+05	214+30	Lt	425	209+30	210+05	Lt	75					2			
	202+30	206+05	Rt	375			2					202+30	205+67.5	Rt	337.5					2			
	208+00	214+00	Rt	600			2	208+25	209+50	Rt	125	209+50	213+75	Rt	425					2			
13	228+95	232+45	Lt	350			2	228+95	229+82.5	Lt	87.5	229+82.5	231+82.5	Lt	200					1			
								231+82.5	232+20	Lt	37.5									1			
	235+80	237+65.5	Lt	187.5			2	236+30	237+30	Lt	100									2			
	238+00	240+50	Lt	250			2	237+90	240+15	Lt	225									1			
	229+75	237+62.5	Rt	787.5			2	229+75	236+00	Rt	625	236+00	237+50	Rt	150					1			
								237+50	237+75	Rt	25												
	238+10	241+22.5	Rt	312.5			1	238+35	241+10	Rt	275									2			
	248+20	251+07.5	Rt	287.5			2	248+57.5	249+20	Rt	62.5	249+20	250+95	Rt	175					2			
	249+70	251+45	Lt	175			1	249+40	251+40	Lt	200									2			
14							270+20	271+20	Rt	100									2				
TOTALS				14062.5	4	19	35					8225					4125					200	69