

DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	HSIP-019-2(62)	2012	30	42

	REMOVE EXISTING GUARDRAIL STATION LOCATIONS		INSTALL NEW GUARDRAIL STATION LOCATIONS		RESET EXISTING GUARDRAIL STATION LOCATIONS		LEFT / RIGHT	GUARDRAIL REMOVAL LENGTH (FT.)	NEW GUARDRAIL LENGTH (FT.)	NESTED GUARDRAIL LENGTH (FT.)	INSTALL GUARDRAIL AT OBSTRUCTION (FT.)	INSTALL 8-FT. POST (EACH)	RESET POST AND REPLACE SPACER BLOCK (EACH)	GUARDRAIL END TREATMENTS												RM-5 @ 25ft O.C.	END TREATMENT REMOVAL	REMARKS
														TO EXISTING		RUBRAIL (LIN. FT.)	MODIFIED TYPE "A-1"		MODIFIED TYPE "G"		ET 2000		SKT 350		BRIDGE RAILING UPGRADE			
	FROM	TO	FROM	TO	FROM	TO								LEAD	TRAIL			LEAD	TRAIL	LEAD	TRAIL	LEAD	TRAIL	LEAD	TRAIL			
Ka'awali'i Gulch	91+00	95+00	91+00	95+00	+	+	L	400	400	--	--		--	--	--	--	--	--	--	1	--	--	--	--		(2) RAMP		
	118+50	122+25	118+50	122+25	+	+	R	375	375	--	--		--	--	--	--	1	--	--	1	--	--	--	--		(2) RAMP		
	118+10	122+80	118+10	122+80	+	+	R	470	475	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	(2) RAMP	Connect to Concrete Structures		
	140+00	140+50	140+00	140+50	+	+	L	50	50	--	--	--	--	--	--	--	1	--	--	1	--	--	--	--		(2) RAMP		
	140+30	141+00	140+30	141+00	+	+	R	70	75	--	--	--	--	--	--	--	--	1	1	--	--	--	--	--	--	(2) RAMP		
	143+90	148+00	143+90	148+00	+	+	R	410	412.5	--	--	--	--	--	--	--	1	--	--	--	--	--	--	--	--	(2) RAMP	Connect to Existing	
	145+00	148+00	145+00	148+00	+	+	L	300	300	--	--	--	--	--	--	--	1	--	--	--	--	--	--	--		(2) RAMP	Connect to Existing	
Laupahoehoe Gulch	52+50	59+50	52+50	59+50	+	+	L	700	700	--	--	--	--	--	--	--	--	--	1	1	--	--	--	--		(2) RAMP		
	54+00	59+00	54+00	59+00	+	+	R	500	500	--	--	--	--	--	--	--	1	1	--	--	--	--	--	--		(2) RAMP		
	61+40	66+00	61+40	66+00	+	+	L	460	462.5	--	--	--	--	--	--	--	1	1	--	--	--	--	--	--		(2) RAMP		
	61+80	71+10	61+80	71+10	+	+	R	930	937.5	--	--	--	--	--	--	--	1	--	--	--	1	--	--	--		(2) RAMP		
	81+30	82+00	81+30	82+00	+	+	R	70	75	--	--	--	--	--	--	--	--	--	1	--	--	--	--	--		(2) RAMP		
TOTALS								4,735.0	4,762.5	0	0	0	0	0	0	7	6	5	0	0	563							

ORIGINAL PLAN	SURVEY PLOTTED BY	DATE
NOTE BOOK	DRAWN BY	
DESIGNED BY	CHECKED BY	
QUANTITIES BY		
CHECKED BY		

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

GUARDRAIL SCHEDULE
HAWAII BELT ROAD
Safety Improvements
Laupahoehoe Gulch and Ka'awali'i Gulch
Federal Aid Project No. HSIP-019-2(62)
Scale: 1" = 40'
Date: June, 2012

SHEET No. 1 OF 1 SHEETS