

ORIGINAL PLAN

NOTE BOOK

DATE

DESIGNED BY

CHECKED BY

SURVEY PLOTTED BY

DRAWN BY

DATE

DESIGNED BY

CHECKED BY

SURVEY PLOTTED BY

DRAWN BY

DATE

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	NH-019-2(71)	2018	22	68

GUARDRAIL SCHEDULE																			
REMOVE EXISTING GUARDRAIL STATION LOCATIONS		INSTALL NEW GUARDRAIL STATION LOCATIONS		LEFT	RIGHT	GUARDRAIL REMOVAL LENGTH (FT.)	NEW GUARDRAIL LENGTH (FT.)	INSTALL 8-FT. POST (EACH)	GUARDRAIL END TREATMENTS								REMARKS		
									TO EXIST. STRUCTURE		RUBRAIL (LIN. FT.)		TYPE "A-1"		TYPE "G" MODIFIED			SKT 350	
FROM	TO	FROM	TO						LEAD	TRAIL	LEAD	TRAIL	LEAD	TRAIL	LEAD	TRAIL	LEAD	TRAIL	
13+62	14+40	13+62	14+47	●		78.0	85.0		--	1	--	--	--	--	≠	--	--	--	
9+93	10+51	9+93	10+51		●	58.0	58.0		--	1	--	--	--	--	1	--	--	--	
6+82	7+24	6+82	7+24	●		42.0	42.0		1	--	--	--	--	--	1	--	--	--	
1+90	3+12	1+90	3+12	●		122.0	122.0	10	--	--	--	--	--	--	1	1	--	--	
351+11	355+50	351+11	355+50	●		439.0	439.0	50	--	--	--	--	--	--	1	--	--	1	
346+69	350+38	346+69	350+38	●		369.0	369.0	7	--	--	--	--	--	--	1	1	--	--	
326+80	334+29	326+80	334+29	●		749.0	749.0		--	--	--	--	--	--	1	1	--	--	
316+64	317+41	316+64	317+53	●		77.0	89.0		--	1	1	--	≠	--	--	--	1	--	
316+67	317+41	316+67	317+53		●	74.0	86.0		1	--	--	1	--	≠	--	--	--	1	
313+40	314+17	313+40	314+17	●		77.0	77.0		1	--	--	--	--	≠	--	--	--	1	
313+39	314+17	313+39	314+17		●	78.0	78.0		--	1	--	--	≠	--	--	--	1	--	
		305+55	311+00	●			545.0		--	--	--	1	--	1	1	--	--	--	
296+80	303+40	296+80	303+40	●		660.0	695.0		--	--	1	--	1	--	--	1	--	--	
274+00	282+53	274+00	282+53	●		853.0	853.0		--	--	--	1	--	1	1	--	--	--	
268+14	270+41	264+54	270+80	●		227.0	626.0		--	--	--	--	1	--	--	1	--	--	
268+50	270+18	265+50	270+18		●	168.0	425.0		--	--	--	--	1	1	--	--	--	--	
254+92	256+08	254+92	256+64	●		116.0	172.0		--	1	--	--	--	--	≠	--	1	--	
254+92	255+58	254+92	256+62		●	66.0	170.0		1	--	--	--	--	--	≠	--	1	--	
253+60	253+84.14	253+60	253+84.14	●		24.14	24.14		1	--	--	--	--	--	--	1	--	--	
253+60	253+84.14	253+60	253+84.14		●	24.14	24.14		--	1	--	--	--	--	1	--	--	--	
181+23	182+00	181+23	182+00	●		77.0	77.0		--	1	--	--	--	--	≠	--	1	--	
181+23	181+97	181+23	181+97		●	74.0	74.0		1	--	--	--	--	≠	--	--	--	1	
176+90	177+67	176+90	177+67	●		77.0	77.0		1	--	--	--	--	≠	--	--	--	1	
176+82	177+72	176+82	177+72		●	90.0	90.0		--	1	--	--	--	±	--	--	--	1	
TOTALS						4,558.28	6,056.28		15		5		≠ 6		≠ 15		≠ 11		

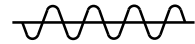
3,687.00 5,961.28

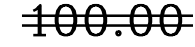
NOTES:

- All guardrail posts shall be 6 foot lengths unless otherwise directed by the Engineer.
- All lengths in feet, unless otherwise specified.
- The Engineers shall modify guardrail design to fit the existing field conditions.
- Actual guardrail locations and radii shall be verified in the field by the Contractor and approved by the Engineer prior to the ordering of materials. Curved guardrail sections shall be ordered in a timely manner to allow project completion within the contract time period.
- G+ = Type "G" Modified end treatment with radius indicated.
- MELT = Modified Eccentric Loader Terminal.
- * = To be paid for under Item No. 606.3200 - Guardrail, Type "3" - Single with Rubrail on Steel Posts.
- All Type "G" Modified end terminals shall utilize MGS transition and shall be incidental to Item 606.7101 - Terminal Section, Type "G" Modified.

LEGEND FOR

AS-BUILT POSTINGS

 Squiggly line for as-built deletion

 Double line for as-built deletion

Roadway Text for as-built posting

STATE OF HAWAII

DEPARTMENT OF TRANSPORTATION

HIGHWAYS DIVISION

GUARDRAIL SCHEDULE

HAWAII BELT ROAD GUARDRAIL

AND SHOULDER IMPROVEMENTS

Vicinity of Kalopa Bridge and

Kaunaloa Bridge to E. Paauilo Bridge

Federal-Aid Project No. NH-019-2(71)

Scale: Not To Scale

Date: Nov., 2018