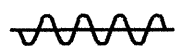
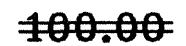


FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	STP-019-2(35)	1995	32	39

GUARDRAIL SCHEDULE													
FROM	TO	LEFT	RIGHT	LENGTH OF NEW GR. (FT.)	OFFSET (FT.)	LENGTH OF RESET GR. (FT.)	GUARDRAIL END TREATMENT				STRUCTURE TYPE/NAME	GUARDRAILS TO BE REMOVED	REMARKS
							LEADING	RADIUS	TRAILING	RADIUS			
FA-F14B(1)													
10+42.5	10+80	●		37.5	10		TO EXIST.	— —	F	— —	— —	25.0	Extend GR, replace G with F
10+85.5	11+00.5		●	25.0	8		G+	R=15'	TO EXIST.	— —	— —	12.5	Replace G with G+
12+65.5	12+78	●		12.5	10		C	— —	TO EXIST.	— —	— —	12.5	Replace G with C
12+82	12+94.5		●	12.5	8		TO EXIST.	— —	F	— —	— —	— —	Extend GR, replace G with F
16+48	16+98	●		— —	6		— —	— —	TYPE I	— —	Kaieie Bridge	50.0	Connect to bridge
16+48	16+98		●	— —	6		TYPE I	— —	— —	— —	Kaieie Bridge	50.0	Connect to bridge
19+12	19+49	●		— —	6		TYPE I*	— —	— —	— —	Kaieie Bridge	25.0	Connect to bridge
19+12	19+49		●	— —	6		— —	— —	TYPE I*	— —	Kaieie Bridge	12.5	Connect to bridge
19+57	21+27		●	175.0	8		G+	R=10'	G+	R=10'	— —	150.0	Remove existing, install new GR with G+ each end
19+67.5	21+25	●		162.5	6		C	— —	G+	R=20'	— —	137.5	Remove existing, install new GR with C and G+
21+54	24+51.5		●	300.0	8		G+	R=10'	G	— —	— —	137.5	Remove existing, install new GR with G+ and G
23+48	26+25.5	●		287.5	8		C	— —	G+	R=15'	— —	— —	New installation
28+67.5	30+67.5		●	175.0	9		C	— —	MELT SRT-350	— —	— —	137.5	Remove existing, install new GR with C and MELT SRT-350
29+06.5	30+81.5	●		175.0	11		TO EXIST.	— —	G	— —	— —	50.0	Extend GR, install new with G
31+44	31+56.5	●		12.5	11		C	— —	TO EXIST.	— —	— —	— —	Extend GR, install C
33+60.5	34+78	●		137.5	8		TO EXIST.	— —	G+	R=30'	— —	25.0	Extend GR, install G+
33+65	35+97.5		●	237.5	8		G+	R=20'	G	— —	— —	112.5	Remove existing, install new GR with G+ and G
35+54.5	36+12	●		75.0	8		G+	R=20'	TO EXIST.	— —	— —	37.5	Extend GR, install G+
42+25	42+75	●		— —	6		— —	— —	TYPE I	— —	Kalaea Bridge	50.0	Connect to bridge
42+25	42+75		●	— —	6		TYPE I	— —	— —	— —	Kalaea Bridge	50.0	Connect to bridge
44+21	44+71	●		— —	6		TYPE I	— —	— —	— —	Kalaea Bridge	50.0	Connect to bridge
44+21	44+71		●	— —	6		— —	— —	TYPE I	— —	Kalaea Bridge	50.0	Connect to bridge
50+40	52+60	●		225.0	9		C	— —	G+	R=20'		— —	New installation
53+00	57+25.75		●	425.0 450.0	6		C	— —	F	— —		— —	New installation

* Modified Type I bridge end connection, see Sheet 23

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 RESURFACING
PAPAIKOU TO PEPEKEO
F.A. Project NO. STP-019-2(35)

Scale: None Date: April, 1995

SHEET No. 1 OF 3 SHEETS

"AS-BUILT"

SURVEY PLOTTED BY	DATE
DESIGNED BY	
DESIGNED BY	
QUANTITIES BY	
CHECKED BY	

ORIGINAL PLAN
NOTE BOOK
DESIGNED BY
QUANTITIES BY
CHECKED BY

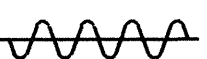
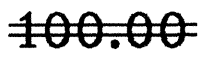
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	STP-019-2(35)	1995	33	39

GUARDRAIL SCHEDULE

FROM	TO	LEFT	RIGHT	LENGTH OF NEW GR. (FT.)	OFFSET (FT.)	LENGTH OF RESET GR. (FT.)	GUARDRAIL END TREATMENT				STRUCTURE TYPE/NAME	GUARDRAILS TO BE REMOVED	REMARKS
							LEADING	RADIUS	TRAILING	RADIUS			
64+79	65+29	●		---	6		---	---	TYPE I		Hanawi Bridge	50.0	Connect to bridge
64+79	65+29		●	---	6		TYPE I	---	---	---	Hanawi Bridge	50.0	Connect to bridge
69+58	70+08	●		---	6		TYPE I	---	---	---	Hanawi Bridge	50.0	Connect to bridge
69+58	70+08		●	---	6		---	---	TYPE I	---	Hanawi Bridge	50.0	Connect to bridge
77+17.5	78+40	●		125.0	8 11		G+	R=10'	F	---	---	---	New installation
84+07.5	89+92.5		●	600.0	8		G+	R=35'	TO EXIST.	---	---	37.5	Extend GR, install G+
84+48	87+23	●		287.5	8		C		G+	25'			New Installation
90+05	92+30	●		225.0	20 18		C	---	F	---	---	---	New installation
95+60.5	96+10.5	●		50.0	7		TO EXIST.	---	F	---	---	37.5	Replace G with F
96+73	96+85.5	●		12.5	7		C	---	TO EXIST.	---	---	---	Install C
100+37.5	100+62.5	●		225.0	5		TO EXIST.	---	F	---	---	37.5	Extend GR, install F
103+32.5	105+70		●	237.5	11		G	---	G	---	---	87.5	Remove existing, install new GR with G each ends
109+50	109+75	●		25.0	4		TO EXIST.	---	F	---	---	---	Extend GR, install F
109+62.5	109+75		●	25.0	4		C	---	TO EXIST.	---	Kawainui Bridge	12.5	Replace G with C
110+52	110+77	●		25.0	4		C	---	TO EXIST.	---	---	---	Extend GR, install C
111+31	111+51	●		---	4		TYPE II		G+	R=20'	Kawainui Bridge	---	Install Type II and G+
113+30	118+45		●	525.0	15		G+	R=15'	G	---	---	---	New installation
113+80	114+80	●		---	4	100.0	---	---	---	---	---	---	Reset guardrail height
113+50	113+80	●		50.0	4		TO EXIST.	---	G+	R=30'	---	---	Extend GR, install G+
124+60	127+85	●		300.0	7		MELT SRT-350	---	F	---	---	---	New installation
125+05	129+80		●	500.0	13		G	---	G+	R=20'	---	---	New installation
131+85	133+75	●		200.0	10		G+	R=15'	G	---	---	---	New installation
144+67.5	145+80		●	112.5	4		TO EXIST.	---	MELT SRT-350	---	Wa'a'ama Bridge	37.5	Replace BCT with MELT SRT-350
168+00.5	168+13		●	12.5	4		G	---	TO EXIST.	---	---	---	Extend existing GR
171+25	172+12.5	●		87.5	6		C	---	TO EXIST.	---	---	87.5	Replace C
171+38	171+83		●	50.0	4		TO EXIST.	---	G+	R=20'	---	---	Extend GR, install G+
184+27.5	185+40		●	87.5	4		TO EXIST.	---	MELT SRT-350	---	---	37.5	Extend GR, replace G with MELT SRT-350
184+51.5	184+89	●		12.5	4		MELT SRT-350	---	TO EXIST.	---	---	37.5	Replace BCT with MELT SRT-350

SURVEY PLOTTED BY	DATE
DESIGNED BY	
TRACED BY	
NOTE BOOK	
QUANTITIES BY	
CHECKED BY	

ORIGINAL PLAN
NOTE BOOK
QUANTITIES BY
CHECKED BY

LEGEND FOR AS-BUILT POSTINGS	
	Squiggly line for as-built deletion
	Double line for as-built deletion
Roadway	Text for as-built posting

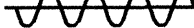
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

GUARDRAIL SCHEDULE
HAWAII BELT ROAD RESURFACING
PAPA'IKOU TO PEPEEKEO
F.A. Project NO. STP-019-2(35)

Scale: NoneDate: April, 1995

SHEET No. 2 OF 3 SHEETS

GUARDRAIL SCHEDULE													
FROM	TO	LEFT	RIGHT	LENGTH OF NEW GR. (FT.)	OFFSET GR. (FT.)	LENGTH OF RESET GR. (FT.)	GUARDRAIL END TREATMENT				STRUCTURE TYPE/NAME	GUARDRAILS TO BE REMOVED	REMARKS
							LEADING	RADIUS	TRAILING	RADIUS			
SDR 3(2)													
8+65.5	9+58	●		112.5	6		G+	R=30'	---	---	---	37.5	Extend GR, Install G+
11+30	12+30	●		100.0	8		TO EXIST.	---	G	---	---	12.5	Extend GR, Install G
11+82	12+44.5		●	62.5	11		G	---	TO EXIST.	---	---	37.5	Remove BCT, extend GR with G
15+90	18+90	●		300.0	8		C	---	F	---	---		New installation
16+13.5	20+91		●	487.5	10		G+	R=20'	G+	R=20'	---		New installation
20+68	25+50.5	●		487.5	10		G+	R=20'	F	---	---		New installation
21+22.5	29+70		●	862.5	10		G+	R=20'	G+	R=15'	---		New installation
25+95	33+40	●		750.0	10		C	---	G+	R=20'	---		New installation
30+03	34+18		●	425.0	10		G+	R=15'	F	---	---		New installation
41+75	45+00	●		300.0	9		MELT SRT-350	---	F	---	---		New installation
51+34	51+74		●	37.5	7		G+	R=40'	TO EXIST.	---	---	37.5	Replace G+
58+02.5	59+77.5		●	175.0	7		TO EXIST.	---	F	---	---	37.5	Replace BCT with F
60+35	61+00	●		75.0	7		TO EXIST.	---	G+	---	---	37.5	Replace BCT with G+
65+18.5	66+85.5	●		125.0	7		MELT SRT-350	---	TO EXIST.	---	---		Replace BCT, extend GR with MELT SRT-350
71+34.5	71+54.5	●		25.0	6		G+	R=20'	TO EXIST.	---	---	12.5	Replace G with G+
72+29.5	73+17		●	62.5	7		MELT SRT-350	---	TO EXIST.	---	---	37.5	Replace BCT, extend GR with MELT SRT-350
TOTAL				10,587.5 10,350.0		100.0	8 ea. MELT Terminals 1 ea. Type II End Connection 12 ea. Type I End Connection				TOTAL	2,037.5	

<u>LEGEND FOR</u> <u>AS-BUILT POSTINGS</u>	
	Squiggly line for as-built deletion
100.00	Double line for as-built deletion
Roadway	Text for as-built posting

"AS-BUILT"