

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	STP-037-1(18)	1993	ADD. 22	35

INSTALLATION OF PAVEMENT MARKING AND SUMMARY								
	Q U A N T I T Y							
	4-Inch Pavement Striping (Tape, Type I or Ther-moplastic Ex-trusion	4-Inch Pavement Striping (Tape, Type II or Ther-moplastic Ex-trusion	8-Inch Pavement Striping (Tape, Type II or Ther-moplastic Ex-trusion	Double 4-Inch Striping (Tape, Type I or Ther-moplastic Ex-trusion	Type "C" Raised Pav't. Markers @ 40' -00" O.C.	Type "D" Raised Pav't. Markers @ 20' -00" O.C.	Type "H" Raised Pav't. Markers @ 40' -00"	Type "J" Raised Markers @ 40' -00"
KULA JUNCT. - LOWER KULA RD.								
Sta. 277+00 - Sta. 337+15.26		12,031			302			
Sta. 277+00 - Sta. 297+20				2,020		102		
Sta. 297+20 - Sta.302+80	560					15	15	60
Sta. 302+80 - Sta. 306+80						11		44
Sta. 306+80 - Sta. 309+50	300					8	8	32
Sta. 309+50 - Sta. 312+50				300		16		
Sta. 316+50 - Sta. 320+70	820					22	22	88
Sta. 320+70 - Sta. 328+00	730					19	19	76
Sta. 328+00 - Sta. 337+15.26				915		46		
SUBTOTAL	2,410	12,031		3,235	302	239	64	300
KEKAULIKE AVE. - KULA SANAT.								
Sta. 0+33.93 - Sta. 151+95		20,892			522			
Sta. 0+33.93 - Sta. 41+60				4,126		207		
Sta. 41+60 - Sta. 55+20						35		140
Sta. 55+20 - Sta. 82+50				2,730		137		
Sta. 62+75 - Sta. 78+10			3,070		78			
Sta. 82+50 - Sta. 89+00						17		68
Sta. 85+90 - Sta. 101+20			3,060		77			
Sta. 89+00 - Sta. 97+50				850		44		
Sta. 97+50 - Sta. 108+00						27		108
Sta. 108+00 - Sta. 115+50				750		39		
Sta. 115+50 - Sta. 131+00						40		160
Sta. 131+00 - Sta. 143+70				1,270		65		
Sta. 135+45 - Sta. 151+95			3,300		84			
SUBTOTAL		20,892	9,430	9,726	761	611		476
TOTAL	2,410	32,923	9,430	12,961	1,063	850	64	776

GUARDRAIL SCHEDULE			
STATION TO STATION UNIT USED	OFFSET	606.3110 RESET 6 POST	REMARKS
		EACH	
6+00 - 11+75	Lt.		New
14+25 - 15+62	Lt.	23	Existing
17+00 - 19+60	Lt.	43	Existing
22+38 - 28+20	Lt.	94	Existing
32+75 - 41+12	Lt.	135	Existing
47+71 - 49+33.5	Rt.	27	Existing
47+67 - 50+36	Lt.	44	Existing
53+52 - 56+90	Lt.	55	Existing
57+27 - 62+27	Lt.	81	Existing
65+65 - 67+65	Lt.		New
69+45 - 70+32	Rt.	15	Existing
69+74 - 72+74	Lt.	49	Existing
70+52 - 71+52	Rt.	17	Existing
84+15 - 85+27.5	Rt.	19	Existing
83+88 - 85+50.5	Lt.	27	Existing
92+57.5 - 94+32.5	Rt.	29	Existing
92+75.5 - 94+50.5	Lt.	29	Existing
99+63 - 101+12	Rt.	25	Existing
99+62 - 102+02	Lt.	40	Existing
104+00 - 106+00	Lt.	33	Existing
104+30 - 105+30	Rt.		New
114+00 - 124+00	Lt.		New
125+14 - 126+44	Rt.	22	Existing
125+14 - 127+02	Lt.	31	Existing
128+00 - 132+00	Lt.	65	Existing
142+29 - 144+54	Rt.	37	Existing
142+29 - 144+54	Lt.	37	Existing
279+95 - 282+20	Rt.		New
280+75 - 282+20	Lt.		New
284+00 - 287+40	Lt.		New
282+75 - 287+40	Rt.		New
297+75 - 303+00	Lt.		New
297+75 - 303+00	Rt.		New
322+50 - 324+25	Lt.		New
322+00 - 324+50	Rt.		New
TOTAL		977	

SURVEY PLOTTED BY	DATE
DRAWN BY	
NOTED BY	
CHECKED BY	
DATE	4-29-93

RECONSTRUCTION OF WEAKENED AREAS						
STATION TO STATION (APPROX.)	OFFSET	LENGTH (FT.)	WIDTH (FT.)	THICKNESS (INCHES)	EXCAVATION (C.Y.)	ACB (TONS)
KULA JUNCTION TO LOWER KULA ROAD						
278+50 - 279+50	Rt.	100	10	4"	12.35	25.20
280+50 - 281+50	Lt.	100	10	4"	12.35	25.20
292+50 - 295+00	Lt.	250	6	4"	18.52	37.80
326+75 - 329+50	Rt.	275	6	4"	20.37	41.58
327+60 - 328+25	Lt.	65	4	4"	3.21	5.44
332+45 - 337+15	Rt.	470	6	4"	34.81	71.06
335+50 - 337+15	Lt.	165	10	4"	20.37	41.58
TOTAL					121.98	247.86
SAY					122	248

6-3-93	Revised Reconstruction Schedule
DATE	REVISION

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

MISCELLANEOUS SUMMARIES

KULA HIGHWAY RESURFACING
Kekaulike to Kula Sanatorium
Kula Junction towards Lower Kula Road
FED. AID PROJECT NO. STP-037-1(18)

Date: April, 1993

SHEET No. 1 OF 2 SHEETS

ORIGINAL PLAN	SURVEY PLOTTED BY	DATE
	DRAWN BY	
	TRACED BY	
	NOTED BY	
	CHECKED BY	
NOTE BOOK	QUANTITIES BY	
	REVISIONS	
	CHECKED BY	
	DATE	4/29/93
	BY	

ITEM NO. 203.0100 ROADWAY EXCAVATION				
STATION TO STATION	S H O U L D E R			REMARKS
	W I D T H			
	2 FT.	3 FT.	6 FT.	
L E F T	LENGTH	LENGTH	LENGTH	
0+33.93 - 14+50			1,416	
14+50 - 15+37	87			Location of Guardrail
15+37 - 17+25			188	
17+25 - 19+35		210		Location of Guardrail
19+35 - 22+20			285	
22+20 - 27+95		575		Location of Guardrail
27+95 - 33+00			505	
33+00 - 40+87		787		Exist. Guard. & Bridg.
40+87 - 47+92			705	
47+92 - 50+11		219		Exist. Guard. & Bridg.
50+11 - 53+77			366	
53+77 - 56+65		288		Exist. Guard. & Bridg.
56+65 - 57+52			87	
57+52 - 62+02		450		Exist. Guard. & Bridg.
62+02 - 69+99			797	
69+99 - 72+49	250			Exist. Guard. & Bridg.
72+49 - 84+13			1164	
84+13 - 85+26		113		Location of Guardrail
85+26 - 93+00			774	
93+00 - 94+26	126			Exist. Guard. & Bridg.
94+26 - 99+87			561	
99+87 - 101+77		190		Locat. of Exist. Guard.
101+77 - 104+25			248	
104+25 - 105+75		150		Locat. of Exist. Guard.
105+75 - 125+39			1,964	
125+39 - 126+77	138			Locat. of Exist. Guard.
126+77 - 128+25			148	
128+25 - 131+75		350		Locat. of Exist. Guard.
131+75 - 142+29			1,054	
142+29 - 143+70		141		Exist. Guard. & Bridg.
SUBTOTAL	601	3,473	10,262	
R I G H T				
0+33.93 - 47+96			4,762	
47+96 - 49+09		113		Locat. of Exist. Guard.
49+09 - 69+70			2,061	
69+70 - 71+27	157			Exist. Guard. & Bridg.
71+27 - 84+40			1313	
84+40 - 87+03	263			Locat. of Exist. Guard.
87+03 - 92+84			581	
92+84 - 94+08	124			Exist. Guard. & Bridg.
94+08 - 99+88			580	
99+88 - 100+87	99			Locat. of Exist. Guard.
100+87 - 125+39			2,452	
125+39 - 126+19	80			Locat. of Exist. Guard.
126+19 - 142+29			1,610	
142+29 - 143+70		141		Exist. Guard. & Bridg.
SUBTOTAL	723	254	13,359	
TOTAL	1,324	3,727	23,621	

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	STP-037-1(18)	1993	23	35

CONSTRUCTION SIGN SUMMARY				
SIGN NO.	LOCATION	MESSAGE	W/POST	W/O POST
CW20-1d	Sta. 160+00 Rt. (Kula Hwy.)	ROAD CONSTRUCTION AHEAD	1	
CG20-2	Sta. 160+00 Lt. (Kula Hwy.)	END CONSTRUCTION	1	
CW20-1d	Sta. 272+00 Rt. (Kula Hwy.)	ROAD CONSTRUCTION AHEAD	1	
CG20-2	Sta. 272+00 Lt. (Kula Hwy.)	END CONSTRUCTION	1	
CW20-1d	Sta. 150+00 Lt. (Kula Hwy.)	ROAD CONSTRUCTION AHEAD	1	
CG20-2	Sta. 150+00 Rt. (Kula Hwy.)	END CONSTRUCTION	1	
CW20-1d	Sta. 5+00 Lt. (Lower Kula Road)	ROAD CONSTRUCTION AHEAD	1	
CG20-2	Sta. 5+00 Rt. (Lower Kula Road)	END CONSTRUCTION	1	
TOTAL			8	

NOTE: Payment for the furnishing and removal of construction signs will not be paid for separately but shall be considered incidental to various items. These signs must be installed permanently throughout the project duration. Removal of these signs shall be approved by the Engineer.

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

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Kekaulike to Kula Sanatorium

Kula Junction towards Lower Kula Road

FED. AID PROJECT NO. STP-037-1(18)

Date: April, 1993

SHEET No. 2 OF 2 SHEETS