

SIGN NO.	MESSAGE	QUANTITY			
		10 SQ. FT. OR LESS		GREATER THAN 10 SQ. FT.	
		W/POST	W/O POST	W/POSTS	W/O POSTS
R1-1	STOP	12			
R2-1(30)	SPEED LIMIT 30 MPH	1	6		
R2-1(15,25,35,45)	SPEED LIMIT 15 MPH, 25 MPH, 35 MPH, 45 MPH	9			
R16.1A	BUCKLE UP ITS THE LAW	1	1		
R2-5b(15,25,35)	REDUCED SPEED 15 MPH, 25 MPH, 35 MPH	3			
R4-1	DO NOT PASS	12			
R4-2	PASS WITH CARE	11			
W1-4(L)	 LEFT REVERSE CURVE SIGN	1			
W1-4(R)	 REVERSE CURVE SIGN	1			
W2-2	 SIDE ROAD SIGN	1			
W2-2	 SIDE ROAD SIGN	1			
W1-5	 WINDING ROAD SIGN	1			
W3-2a-A	 YIELD AHEAD STOP AHEAD		1	1	
W1-2R	 RIGHT CURVE SIGN	3			
W1-2L	 LEFT CURVE SIGN	3			
W2-1	 CROSS ROAD SIGN	1			
	DRY AREA PREVENT FIRES	3			
W11-2, W11A-2		2			
W11A-2	 PED XING	2			
W11-7	MULE XING	2			
W20-1a	BEGIN STATE HIGHWAY	1			
W20-2a	END STATE HIGHWAY	1			
R4-7A	KEEP RIGHT	1			
R15-1	UNLAWFUL TO LITTER \$1000 FINE	2			
W1-8	CHEVRON ALIGNMENT SIGN	3			
TOTAL		78	8	1	

CONSTRUCTION SIGN SUMMARY				
SIGN NO.	LOCATION	MESSAGE	W/POSTS	W/O POST
CW20-1A(d)	Sta. 189+00 Lt. Maunaloa Hwy.	ROAD WORK AHEAD	1	
CG20-2A	Sta. 189+00 Rt. Maunaloa Hwy.	END ROAD WORK	1	
CW20-1A(d)	Sta. 179+00 Rt. Maunaloa Hwy.	ROAD WORK AHEAD	1	
CG20-2A	Sta. 179+00 Lt. Maunaloa Hwy.	END ROAD WORK	1	
CW20-1A(d)	Sta. 5+00 Lt. Farrington Ave.	ROAD WORK AHEAD	1	
CG20-2A	Sta. 5+00 Rt. Farrington Ave.	END ROAD WORK	1	
TOTAL			6	

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

MISCELLANEOUS SUMMARIES

KALAE HIGHWAY RESURFACING
Maunaloa Highway to
Kalaupapa Lookout Parking Lot
Project No. 470A-01-00M

Date: February, 2000

SHEET No. 2 OF 3 SHEETS

RECONSTRUCTION OF WEAKENED AREAS						
STATION TO STATION (APPROX.)	OFFSET	LENGTH (FT.)	WIDTH (FT.)	THICKNESS (INCHES)	EXCAVATION (CY.)	GLASSPHALT (TONS)
MAUNALOA HWY. TO FARRINGTON AVENUE						
7+50 - 8+00	RT.	50	11	5½	9.34	19.17
18+50 - 21+00	RT.	250	6	5½	25.46	52.24
23+00 - 24+50	RT.	150	11	5½	28.01	57.48
25+00 - 29+00	RT.	400	11	5½	74.69	153.26
32+00 - 32+50	RT.	50	11	5½	9.34	19.17
33+50 - 34+00	RT.	50	11	5½	9.34	19.17
35+00 - 36+00	RT.	100	11	5½	18.67	38.31
44+50 - 52+00	RT.	750	6	5½	76.39	156.75
54+50 - 56+50	RT.	200	11	5½	37.35	76.64
67+50 - 68+00	RT.	50	11	5½	9.34	19.17
3+50 - 5+00	LT.	150	11	5½	28.01	57.48
6+00 - 10+25	LT.	425	11	5½	79.36	162.85
14+50 - 25+00	LT.	1050	11	5½	196.06	402.31
25+50 - 26+00	LT.	50	11	5½	9.34	19.17
31+00 - 32+50	LT.	150	11	5½	28.01	57.48
35+00 - 36+00	LT.	100	11	5½	18.67	38.31
FARRINGTON AVENUE TO KALAMA ROAD						
6+00 - 60+00	RT.	5400	10	5½	916.67	1881.00
13+00 - 49+00	LT.	3600	6	5½	366.67	752.41
55+00 - 60+00	LT.	500	10	5½	84.88	174.17
92+00 - 100+00 *	LT.	800	10	5½	135.8	278.66
TOTAL					2161.40	4434.20
ESTIMATED QTY.					2200.00	4500.00

* Reconstruction areas for tree roots location

OBJECT MARKER SUMMARY		
TYPE	QUANTITY	
	W/FLEXIBLE POST	W/O POST*
TYPE II OBJECT MARKER		150
TOTAL		

* Contractor shall install Object Markers on all Trees and Utility Poles that are within the State Highway Right-Of-Way. Ref. TE-17 of Standard Plans.

ROUTE MARKER SUMMARY					
SIGN ASSEMBLY	SIGN NO. AND MESSAGE	TYPE A ASSEMBLY		TYPE B ASSEMBLY	
		W/POST	W/O POST	W/POST	W/O POST
SRM-1	 M3-1  M1-6(470)  M6-3	1			
SRM-2	 M3-3  M1-6(470)  M6-3	1			
SRM-3	   			1	
SRM-4	   			1	
SRM-5	   			1	
SRM-6	   	2			
TOTAL		4		3	

MILE POST MARKERS AND SUMMARY		
MILE POST NO.	LOCATION	QUANTITY W/SUPPLEMENTAL ROUTE NO. PLATE (BI-DIRECTIONAL W/POST)
0	Sta. 1+50 Rt.	1
1	Sta. 53+00 Rt.	1
2	Sta. 11+80 Rt.	1
3	Sta. 71+00 Rt.	1
4	Sta. 117+50 Rt.	1
5	Sta. 51+15 Rt.	1
5.79	Sta. 87+57.86 Rt.	1
TOTAL		7

ORIGINAL PLAN	DATE	Feb. 2000
DESIGNED BY		
NOTED BY		
CHECKED BY		