

DATE: 10/03
SURVEY PLOTTED BY:
DRAWN BY:
NOTE BOOK:
DESIGNED BY:
CHECKED BY:
ORIGINAL PLAN:
NOTE BOOK:
DESIGNED BY:
CHECKED BY:

SIGN REPLACEMENT SCHEDULE					
STATION	TYPE	ITEM	621.5000	621.5100	621.4100
		UNIT		EACH	
		DESCRIPTION	Regulatory and Warning Sign 10 Sq. Ft. or Less With Post	Regulatory and Warning Sign 10 Sq. Ft. or Less	Reflector Marker (RM-4) With Post
339+50 Rt.	R2-1(30)	Speed Limit 30 MPH	1		
341+50 Lt.	R1-1	Stop	1		w/street name, Palena Pl.
341+75 Lt.	W14-1	Dead End	1		
344+00 Lt.	R15-1	Unlawful To Litter \$500 Fine	1		
345+50 Rt.	W1-5(R)	Winding Road	1	1	w/15 MPH advisory
349+10 Lt.	R5-1	Do Not Enter	1		
352+40 Rt.	R7-1	No Parking Anytime	1		
353+00 Lt.	R1-1	Stop	1		w/street name, Ponimoi Pl.
353+10 Lt.	R7-1	No Parking Anytime	1		
354+90 Rt.	R7-1	No Parking Anytime	1		
356+30 Lt.	R15-1	Unlawful To Litter \$500 Fine	1		
357+80 Lt.	R7-1	No Parking Anytime	1		
360+30 Rt.	W1-1(L)	Curve Sign	1	1	w/15 MPH advisory
360+65 Lt.	W7-1	Hill	1	1	w/W7-2 supplement
364+90 Lt.	W1-1(R)	Curve Sign	1	1	w/15 MPH advisory
365+90 Rt.	W17-1(R)	Hook Curve	1	1	w/15 MPH advisory
369+50 Lt.	W7-1	Hill	1	1	w/W7-2 supplement
374+60 Lt.	W1-3(L)	Reverse Turn	1	1	w/15 MPH advisory
378+10 Rt.	W1-5(R)	Winding Road	1	1	w/15 MPH advisory
389+05 Rt.		Watch For Bikers	1		
391+65 Lt.	W7-1	Hill	1	1	w/W7-2 supplement
410+55 Lt.		Watch For Bikers	1		
414+00 Rt.	W17-1(R)	Hook Curve	1	1	w/15 MPH advisory
426+90 Rt.	W1-5(R)	Winding Road	1	1	w/15 MPH advisory
426+90 Rt.	R4-1	Do Not Pass	1		
436+55 Lt.	R4-1	Do Not Pass	1		
438+45 Rt.	W17-1(L)	Hook Curve	1	1	w/15 MPH advisory
444+50 Lt.	W17-1(R)	Hook Curve	1	1	w/15 MPH advisory
446+30 Rt.		Watch For Bikers	1		
447+00 Lt.	W7-1	Hill	1	1	w/W7-2 supplement
447+05 Rt.	W11-4	Animal Crossing	1	1	w/Sign Plate "Cattle Guard"
450+50 Lt.	W1-1(R)	Curve Sign	1	1	w/15 MPH advisory
453+00 Rt.	W11-4	Animal Crossing	1	1	w/Sign Plate "Next 8 Miles" (W7-3a)
465+95 Rt.	W11-7	Equestrian Crossing	1	1	w/Sign Plate "Equestrian Xing"
470+95 Rt.	W1-5(R)	Winding Road	1	1	w/15 MPH advisory
480+00 Rt. to 482+50 Rt.	W1-8(R), W1-8(L)	Chevron Alignment Sign	12		w/RM-3
486+50 Lt.	W17-1(R)	Hook Curve	1	1	w/15 MPH advisory
494+10 Rt.		Watch For Bikers	1		
497+50 Rt.	W17-1(R)	Hook Curve	1	1	w/15 MPH advisory

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	378A-01-04M	2004	31	88

SIGN REPLACEMENT SCHEDULE					
STATION	TYPE	ITEM	621.5000	621.5100	621.4100
		UNIT		EACH	
		DESCRIPTION	Regulatory and Warning Sign 10 Sq. Ft. or Less	Regulatory and Warning Sign 10 Sq. Ft. or Less Without Post	Reflector Marker (RM-4) With Post
504+00 Lt.	W1-8(R), W1-8(L)	Chevron Alignment Sign	12		w/RM-3
508+00 Lt.	W17-1(L)	Hook Curve	1	1	w/15 MPH advisory
515+00 Rt.	W17-1(L)	Hook Curve	1	1	w/15 MPH advisory
522+90 Lt.	W17-1(R)	Hook Curve	1	1	w/15 MPH advisory
524+40 Lt.		Watch For Bikers	1		
528+20 Rt.	R2-1(30)	Speed Limit 30 MPH	1		
528+90 Lt.	W1-5(L)	Winding Road	1	1	w/15 MPH advisory
531+50 Rt.	W1-5(R)	Winding Road	1	1	w/15 MPH advisory
535+20 Lt.	W7-1	Hill	1	1	w/W7-2 supplement
541+00 Lt.	W1-1(L)	Curve Sign	1	1	w/15 MPH advisory
547+50 Lt.	W1-2(L)	Curve Sign	1		
555+45 Rt.	W17-1(L)	Hook Curve	1	1	w/15 MPH advisory
556+30 Lt.	W7-1	Hill	1	1	w/W7-2 supplement
561+50 Lt.	W17-1(R)	Hook Curve	1	1	w/15 MPH advisory
575+20 Lt.	W1-5(R)	Winding Road	1	1	w/15 MPH advisory
576+60 Rt.	W17-1(R)	Hook Curve	1	1	w/15 MPH advisory
577+60 Lt.	W7-1	Hill	1	1	w/W7-2 supplement
581+50 Lt.	W17-1(L)	Hook Curve	1	1	w/15 MPH advisory
591+30 Lt.	W1-5(R)	Winding Road	1	1	w/15 MPH advisory
593+70 Rt.	W17-1(L)	Hook Curve	1	1	w/15 MPH advisory
594+85 Rt.	W7-1	Hill	1	1	w/W7-2 supplement
599+70 Lt.	W17-1(R)	Hook Curve	1	1	w/15 MPH advisory
605+80 Rt.		Watch For Bikers	1		w/15 MPH advisory
615+40 Rt.	W17-1(R)	Hook Curve	1	1	w/15 MPH advisory
621+90 Lt.	W17-1(L)	Hook Curve	1	1	w/15 MPH advisory
626+40 Lt.		Watch For Bikers	1		
634+48 Rt.	W17-1(L)	Hook Curve	1	1	w/15 MPH advisory
634+50 Lt.	W7-1	Hill	1	1	w/W7-2 supplement
639+50 Lt.	W17-1(R)	Hook Curve	1	1	w/15 MPH advisory

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

MISCELLANEOUS SUMMARIES

HALEAKALA CRATER ROAD RESURFACING
Kekaulike Avenue To Haleakala National Park
Project No. 378A-01-04M

Date: December, 2003

SHEET No. 1 OF 3 SHEETS

SIGN REPLACEMENT SCHEDULE						
STATION	TYPE	ITEM	621.5000	621.5100	621.4100	REMARKS
		UNIT		EACH		
		DESCRIPTION	Regulatory and Warning Sign 10 Sq. Ft. or Less With Post	Regulatory and Warning Sign 10 Sq. Ft. or Less	Reflector Marker (RM-4) With Post	
642+20 Lt.	W1-5(L)	Winding Road	1	1		w/15 MPH advisory
647+80 Lt.	W17-1(L)	Hook Curve	1	1		w/15 MPH advisory
651+00 Rt.	W17-1(L)	Hook Curve	1	1		w/15 MPH advisory
657+00 Lt.	W7-1	Hill	1	1		w/W7-2 supplement
657+40 Rt.	W17-1(R)	Hook Curve	1	1		w/15 MPH advisory
658+10 Lt.	W17-1(R)	Hook Curve	1	1		w/15 MPH advisory
663+25 Lt.	W17-1(L)	Hook Curve	1	1		w/15 MPH advisory
667+00 Rt.	W11-4	Animal Crossing	1	1		w/Sign Plate "Next 4 Miles" (W7-3a)
667+00 Lt.	W11-4	Animal Crossing	1	1		w/Sign Plate "Next 4 Miles" (W7-3a)
669+50 Rt.	W1-2(L)	Curve Sign	1	1		w/15 MPH advisory
677+00 Lt.	W17-1(R)	Hook Curve	1	1		w/15 MPH advisory
680+90 Lt.	W1-1(L)	Curve Sign	1	1		w/15 MPH advisory
690+40 Lt.	W1-5(L)	Winding Road	1	1		w/15 MPH advisory
699+20 Rt.	W17-1(L)	Hook Curve	1	1		w/15 MPH advisory
700+40 Lt.	W7-1	Hill	1	1		w/W7-2 supplement
706+00 Lt.	W17-1(R)	Hook Curve	1	1		w/15 MPH advisory
708+00 Rt.	W1-5(R)	Winding Road	1	1		w/15 MPH advisory, RM-1
709+00 Rt.	R2-1(30)	Speed Limit 30 MPH	1	1		
709+00 Lt.	R2-1(30)	Speed Limit 30 MPH	1			
711+00 Lt.	W7-1	Hill	1	1		w/W7-2 supplement
737+00 Lt.		Watch For Bikers	1			
737+90 Lt.	W1-5(L)	Winding Road	1	1		w/15 MPH advisory
740+20 Lt.	W7-1	Hill	1	1		w/W7-2 supplement
745+50 Rt.	RM-4	Reflective Marker			1	Pohakuokala Bridge Approach
745+50 Lt.	RM-4	Reflective Marker			1	Pohakuokala Bridge Approach
746+50 Rt.	RM-4	Reflective Marker			1	Pohakuokala Bridge Approach
746+50 Lt.	RM-4	Reflective Marker			1	Pohakuokala Bridge Approach
752+00 Rt.	W1-5(L)	Winding Road	1	1		w/15 MPH advisory
772+00 Rt.	W11-4	Animal Crossing	1	1		w/Sign Plate "Next 2 Miles" (W7-3a)
772+00 Lt.	W11-4	Animal Crossing	1	1		w/Sign Plate "Next 6 Miles" (W7-3a)
780+20 Lt.	W11-4	Animal Crossing	1	1		w/Sign Plate "Cattle Guard"
781+40 Rt.	W1-5(R)	Winding Road	1	1		w/15 MPH advisory
785+05 Lt.		Watch For Bikers	1			
789+50 Rt.	RM-4	Reflective Marker			1	Waiale Bridge Approach
789+50 Lt.	RM-4	Reflective Marker			1	Waiale Bridge Approach
790+00 Rt.	RM-4	Reflective Marker			1	Waiale Bridge Approach
790+00 Lt.	RM-4	Reflective Marker			1	Waiale Bridge Approach
793+50 Rt.	W1-5(R)	Winding Road	1	1		w/15 MPH advisory
811+40 Lt.	W1-5(R)	Winding Road	1	1		w/15 MPH advisory
818+00 Rt.	W1-5(L)	Winding Road	1	1		w/15 MPH advisory
833+50 Lt.	W7-1	Hill	1	1		w/W7-2 supplement

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

MISCELLANEOUS SUMMARIES

HALEAKALA CRATER ROAD RESURFACING
Kekaulike Avenue To Haleakala National Park
Project No. 378A-01-04M

Date: December, 2003

SHEET No. 2 OF 3 SHEETS

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	378A-01-04M	2004	33	88

MILEPOST MARKER SUMMARY				
LOCATION	SIGN NO. AND MESSAGE	QUANTITY		
		W/POST	W/O POST	
Ⓜ Sta. 338+00 Rt.	D10-2 MILE 0 D10-7 378	1	1	
Ⓜ Sta. 390+08 Rt.	D10-2 MILE 1 D10-7 378	1	1	
Ⓜ Sta. 442+88 Rt.	D10-2 MILE 2 D10-7 378	1	1	
Ⓜ Sta. 495+68 Rt.	D10-2 MILE 3 D10-7 378	1	1	
Ⓜ Sta. 548+48 Rt.	D10-2 MILE 4 D10-7 378	1	1	
Ⓜ Sta. 601+28 Rt.	D10-2 MILE 5 D10-7 378	1	1	
Ⓜ Sta. 654+08 Rt.	D10-2 MILE 6 D10-7 378	1	1	
Ⓜ Sta. 706+88 Rt.	D10-2 MILE 7 D10-7 378	1	1	
Ⓜ Sta. 759+68 Rt.	D10-2 MILE 8 D10-7 378	1	1	
Ⓜ Sta. 812+48 Rt.	D10-2 MILE 9 D10-7 378	1	1	
Ⓜ Sta. 865+25 Rt.	D10-2 MILE 10 D10-7 378	1	1	
Ⓜ Sta. 875+29 Rt.	D10-2a MILE 10.19 D10-7 378	1	1	
TOTAL		12	12	

CONSTRUCTION SIGN SUMMARY			
SIGN NO.	MESSAGE	W/POST	W/O POST
CW20-1(d)	ROAD WORK AHEAD	2	
CG20-2	END ROAD WORK	2	
TOTAL		4	

ROUTE MARKER SUMMARY				
ASSEMBLY	LOCATION	SIGN NO. AND MESSAGE	W/POST	W/O POST
TYPE A	Sta. 338+50 Rt.	M1-6(378), M3-2(EAST)	1	
TYPE A	Sta. 342+25 Lt.	M1-6(377), M2-1(JCT)	1	
TYPE A	Sta. 614+50 Rt.	M1-6(378), M3-2(EAST)	1	
TYPE A	Sta. 614+50 Lt.	M1-6(378), M3-4(WEST)	1	
TYPE A	Sta. 778+00 Rt.	M1-6(378), M3-2(EAST)	1	
TYPE A	Sta. 778+00 Lt.	M1-6(378), M3-4(WEST)	1	
TOTAL			6	

ELEVATION SIGN SUMMARY			
LOCATION	SIGN NO. AND MESSAGE	QUANTITY	
		W/POST	W/O POST
STA. 353+50 RT.	Elevation 3500 Feet	1	
STA. 346+00 RT.	Elevation 4000 Feet	1	
STA. 523+00 RT.	Elevation 4500 Feet	1	
STA. 592+50 RT.	Elevation 5000 Feet	1	
STA. 666+50 RT.	Elevation 5500 Feet	1	
STA. 734+50 RT.	Elevation 6000 Feet	1	
STA. 841+00 RT.	Elevation 6500 Feet	1	
TOTAL		7	

REFLECTOR MARKER SUMMARY				
TYPE	QUANTITY			
	W/POST		W/O POST	
	YELLOW	WHITE	YELLOW	WHITE
RM-3	400	400	136	
RM-4	8			
RM-5			1075	

OBJECT MARKER SUMMARY		
TYPE	QUANTITY	
	W/POST	W/O POST*
TYPE II OBJECT MARKER		200
TOTAL		200

* 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.

PAVEMENT MARKING SUMMARY	
DESCRIPTION	QUANTITY
PAVEMENT MARKERS	
TYPE C _____	2,680 EA.
TYPE D _____	2,680 EA.
TYPE DB _____	3 EA.
THERMOPLASTIC EXTRUSION	
4-INCH PAVEMENT STRIPE _____	92,184 L.F.
8-INCH PAVEMENT STRIPE _____	15,000 L.F.
DOUBLE 4-INCH PAVEMENT STRIPE _____	53,592 L.F.
12-INCH PAVEMENT STRIPE _____	30 L.F.

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

MISCELLANEOUS SUMMARIES

HALEAKALA CRATER ROAD RESURFACING
Kekaulike Avenue To Haleakala National Park
Project No. 378A-01-04M

Date: December, 2003

SHEET No. 3 OF 3 SHEETS

ORIGINAL PLAN

DATE 10/03

SURVEY PLOTTED BY

DRAWN BY

NOTED BY

DESIGNED BY

CHECKED BY

NOTE BOOK

RELAY

3/24/03