

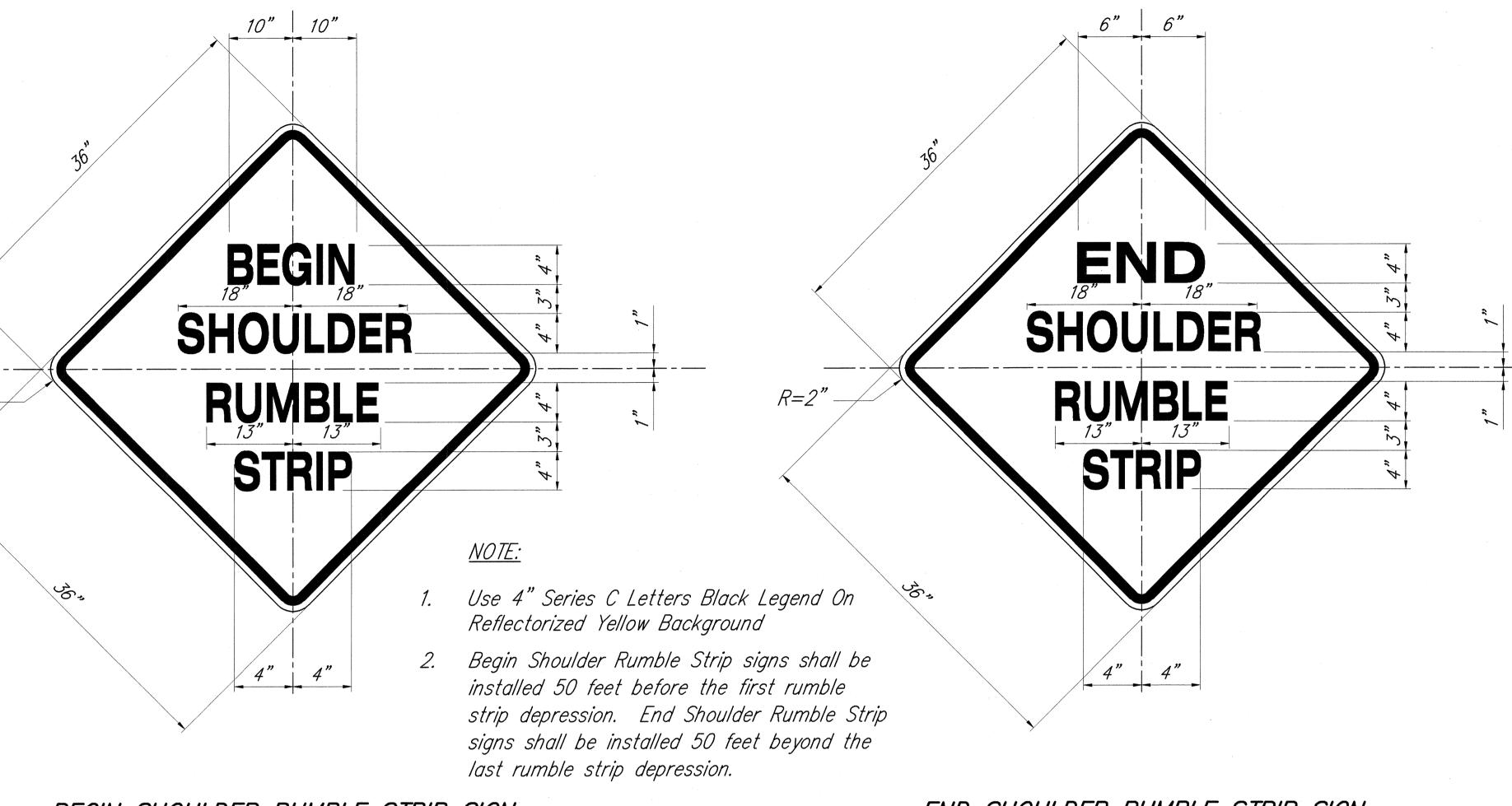
## SIGN NOTES

- 1. All signs shall conform to Section 621 of the Special Provisions and the latest editions and amendments of the following FHWA publications:
  - a. "Manual on Uniform Traffic Control Devices for Streets and Highways" (MUTCD)
  - b. "Standard Highway Signs"
  - c. "Standard Alphabets for Highway Signs"
- 2. Borders, messages, arrows, symbols and shield shall conform to details as shown on the plans and as specified in the MUTCD.
- 3. Sign messages shall be as indicated on the plan, or as directed by the Engineer.
- 4. All panels shall be reflectorized in accordance with Section 712.20 of the Standard Specifications. Minimum width of panels shall be 2 ft. Abutting edges of panels shall be in only one direction if vertical abutting edges are used, No horizontal abutting edges shall be allowed and vice versa.
- 5. Backing for all new Regulatory and Warning Signs shall not be spliced.
- 6. Final locations of all signs shall be accepted by the Engineer prior to any installation work.
- 7. Existing signs that are to be replaced, shall not be removed until new signs are installed as replacements, or the messages are no longer necessary.
- 8. Existing signs not shown on these plans shall remain as posted unless otherwise directed by the Engineer. Removal and disposal of existing signs and/or posts as designated on these plans shall be incidental to the various signing items.
- 9. Removal of Existing Delineators and Posts shall be considered incidental to the various signing items.
- 10. All signs shall be installed on square tube posts, unless otherwise noted.
- 11. Sign posts shall be painted with yellow reflective paint, except where located behind guardrails. Such paint work shall be considered incidental to sign items.
- 12. Contractor shall mark the back of all signs using labels and equipment provided by the State. Payment to be incidental to various contract items.

SIGN REPLACEMENT REMOVAL AND INSTALLATION SCHEDULE

STA TION	THE	RIGHT	TYPE	SIGN TO REMAIN	REMOVE	INSTALL (10 SQ. FT. OR LESS)	
						W/POST	WO/POST
<del>258+00</del>	•		END SHOULDER RUMBLE STRIP		1	1	
<del>258+00</del>		•	BEGIN SHOULDER RUMBLE STRIP		1	1	
469+00		•	END SHOULDER RUMBLE STRIP		1	1	
484+25		•	BEGIN SHOULDER RUMBLE STRIP		1	1	
527+20	•		BEGIN SHOULDER RUMBLE STRIP			1	
527+20		•	END SHOULDER RUMBLE STRIP			1	
560+50	•.		BEGIN SHOULDER RUMBLE STRIP		1		
568+00		•	BEGIN SHOULDER RUMBLE STRIP		1	1	
573+80	•		END SHOULDER RUMBLE STRIP		1	1	
1040+25		•	END SHOULDER RUMBLE STRIP		1	1	
1066+25		•	BEGIN SHOULDER RUMBLE STRIP		1	1	
1127+00	•		BEGIN SHOULDER RUMBLE STRIP		1	1	

	FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR		TOTAL SHEETS
HAWAII		HAW.	NH-019-1(33)	2003	48	74



8

20

## BEGIN SHOULDER RUMBLE STRIP SIGN

R=2"

STATION $\frac{1}{6}$ $\frac{1}{6}$ TYPESIGN TO REMAINREMOVE TO REMAININSTALL (10 S0. FT. OR LESS)1151+40•END SHOULDER RUMBLE STRIP111191+60•END SHOULDER RUMBLE STRIP111215+00•BEGIN SHOULDER RUMBLE STRIP111259+20•BEGIN SHOULDER RUMBLE STRIP111283+80•END SHOULDER RUMBLE STRIP111326+45•BEGIN SHOULDER RUMBLE STRIP111332+10•END SHOULDER RUMBLE STRIP111426+50•BEGIN SHOULDER RUMBLE STRIP111450+10•END SHOULDER RUMBLE STRIP111493+20•BEGIN SHOULDER RUMBLE STRIP111504+80•END SHOULDER RUMBLE STRIP11	SIGN	' RE	PLA	ACEMENT, REMOVAL, AND INS	STALLA	710N S	CHEDU	LE
1151+40       ●       END SHOULDER RUMBLE STRIP       1         1191+60       ●       END SHOULDER RUMBLE STRIP       1         1215+00       ●       BEGIN SHOULDER RUMBLE STRIP       1         1259+20       ●       BEGIN SHOULDER RUMBLE STRIP       1         1283+80       ●       END SHOULDER RUMBLE STRIP       1         1326+45       ●       BEGIN SHOULDER RUMBLE STRIP       1         1332+10       ●       END SHOULDER RUMBLE STRIP       1         1426+50       ●       BEGIN SHOULDER RUMBLE STRIP       1         1450+10       ●       END SHOULDER RUMBLE STRIP       1         1493+20       ●       BEGIN SHOULDER RUMBLE STRIP       1	STA TION	TYPE TO REMO	CHT	TYPF		REMOVE	INSTALL (10 SQ. FT. OR LESS)	
1191+60       ● END SHOULDER RUMBLE STRIP       1         1215+00       ● BEGIN SHOULDER RUMBLE STRIP       1         1259+20       ● BEGIN SHOULDER RUMBLE STRIP       1         1283+80       ● END SHOULDER RUMBLE STRIP       1         1326+45       ● BEGIN SHOULDER RUMBLE STRIP       1         1332+10       ● END SHOULDER RUMBLE STRIP       1         1426+50       ● BEGIN SHOULDER RUMBLE STRIP       1         1450+10       ● END SHOULDER RUMBLE STRIP       1         1493+20       ● BEGIN SHOULDER RUMBLE STRIP       1				W/POST	WO/POST			
1215+00       ●       BEGIN SHOULDER RUMBLE STRIP       1         1259+20       ●       BEGIN SHOULDER RUMBLE STRIP       1         1283+80       ●       END SHOULDER RUMBLE STRIP       1         1326+45       ●       BEGIN SHOULDER RUMBLE STRIP       1         1332+10       ●       END SHOULDER RUMBLE STRIP       1         1426+50       ●       BEGIN SHOULDER RUMBLE STRIP       1         1450+10       ●       END SHOULDER RUMBLE STRIP       1         1493+20       ●       BEGIN SHOULDER RUMBLE STRIP       1	1151+40	•		END SHOULDER RUMBLE STRIP			1	
1259+20       ●       BEGIN SHOULDER RUMBLE STRIP       1         1283+80       ●       END SHOULDER RUMBLE STRIP       1         1326+45       ●       BEGIN SHOULDER RUMBLE STRIP       1         1332+10       ●       END SHOULDER RUMBLE STRIP       1         1426+50       ●       BEGIN SHOULDER RUMBLE STRIP       1         1450+10       ●       END SHOULDER RUMBLE STRIP       1         1493+20       ●       BEGIN SHOULDER RUMBLE STRIP       1	1191+60		•	END SHOULDER RUMBLE STRIP			1	
1283+80          • END SHOULDER RUMBLE STRIP        1          1326+45          • BEGIN SHOULDER RUMBLE STRIP        1          1332+10          • END SHOULDER RUMBLE STRIP        1          1426+50          • BEGIN SHOULDER RUMBLE STRIP        1          1450+10          • END SHOULDER RUMBLE STRIP        1          1493+20          • BEGIN SHOULDER RUMBLE STRIP        1	1215+00		•	BEGIN SHOULDER RUMBLE STRIP			1	
1326+45          • BEGIN SHOULDER RUMBLE STRIP        1         1332+10          • END SHOULDER RUMBLE STRIP        1         1426+50          • BEGIN SHOULDER RUMBLE STRIP        1         1450+10          • END SHOULDER RUMBLE STRIP        1         1493+20          • BEGIN SHOULDER RUMBLE STRIP        1	1259+20	•		BEGIN SHOULDER RUMBLE STRIP			1	
1332+10 • END SHOULDER RUMBLE STRIP 1  1426+50 • BEGIN SHOULDER RUMBLE STRIP 1  1450+10 • END SHOULDER RUMBLE STRIP 1  1493+20 • BEGIN SHOULDER RUMBLE STRIP 1	1283+80	•		END SHOULDER RUMBLE STRIP		·	1	
1332+10	1326+45	•		BEGIN SHOULDER RUMBLE STRIP			1	
1450+10 • END SHOULDER RUMBLE STRIP 1  1493+20 • BEGIN SHOULDER RUMBLE STRIP 1	1332+10	•		END SHOULDER RUMBLE STRIP			1	
1493+20   BEGIN SHOULDER RUMBLE STRIP  1	1426+50	•		BEGIN SHOULDER RUMBLE STRIP			1	
1501 60	1450+10	•		END SHOULDER RUMBLE STRIP			1	
1504+80 • END SHOULDER RUMBLE STRIP	1493+20	•		BEGIN SHOULDER RUMBLE STRIP			1	
	1504+80		•	END SHOULDER RUMBLE STRIP			1	

TOTAL

## END SHOULDER RUMBLE STRIP SIGN

NOTE:

Contract item number 621.5100



STATE OF HAWAII

DEPARTMENT OF TRANSPORTATION

HIGHWAYS DIVISION

SHOULDER RUMBLE STRIP SIGN DETAILS AND NOTES

<u>Queen Kaahumanu Highway Resurfacing</u> <u>Kekaha Kai State Park to Hapuna</u> <u>Federal-Aid Project No. NH-019-1(33)</u>

Scale: As Noted

Date: March 2003

SHEET No. C-46 OF 68 SHEETS

THIS WORK WAS PREPARED BY ME OF UNDER MY SUPERVISION

MITSUNAGA & ASSOCIATES