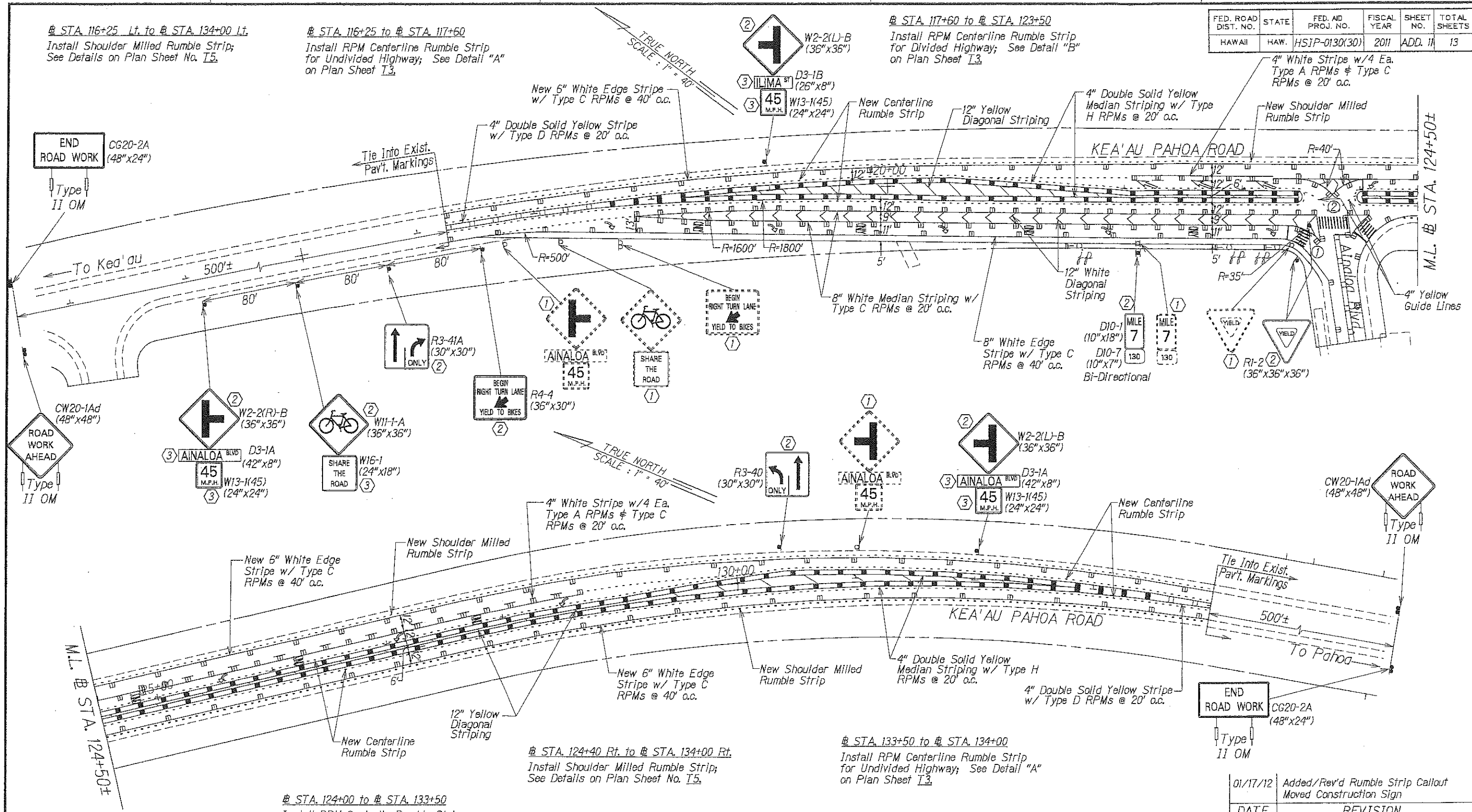


FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	HSIP-0130(30)	2011	ADD. 11	13



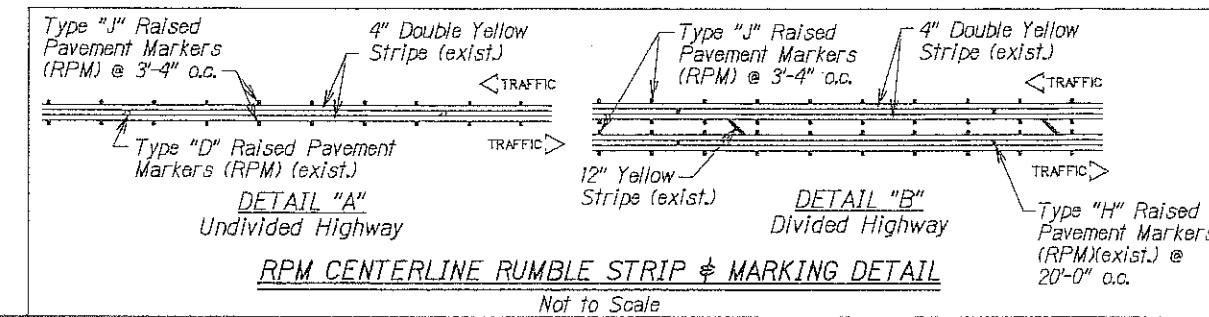
- KEY:**
- ① Remove Exist. Sign(s) & Post(s)
 - ② Install New Sign(s) & Post(s)
 - ③ Install New Sign(s)
 - ④ Remove Exist. Sign(s) & Post(s) & Install New Sign(s) & Post(s)
 - ⑤ Remove Exist. Sign(s) & Install New Sign(s)

11- Install Type 11 Object Marker (OM2-2V, Post Mounted), See Standard Plan TE-15.

② STA. 124+00 to ② STA. 133+50
Install RPM Centerline Rumble Strip; for Divided Highway; See Detail "B" on Plan Sheet No. T3.

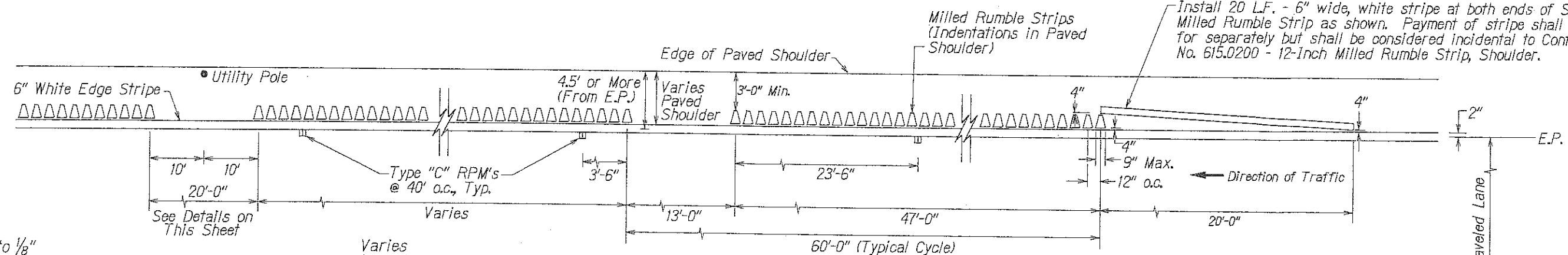
② STA. 124+40 Rt. to ② STA. 134+00 Rt.
Install Shoulder Milled Rumble Strip; See Details on Plan Sheet No. T5.

② STA. 133+50 to ② STA. 134+00
Install RPM Centerline Rumble Strip for Undivided Highway; See Detail "A" on Plan Sheet T3.

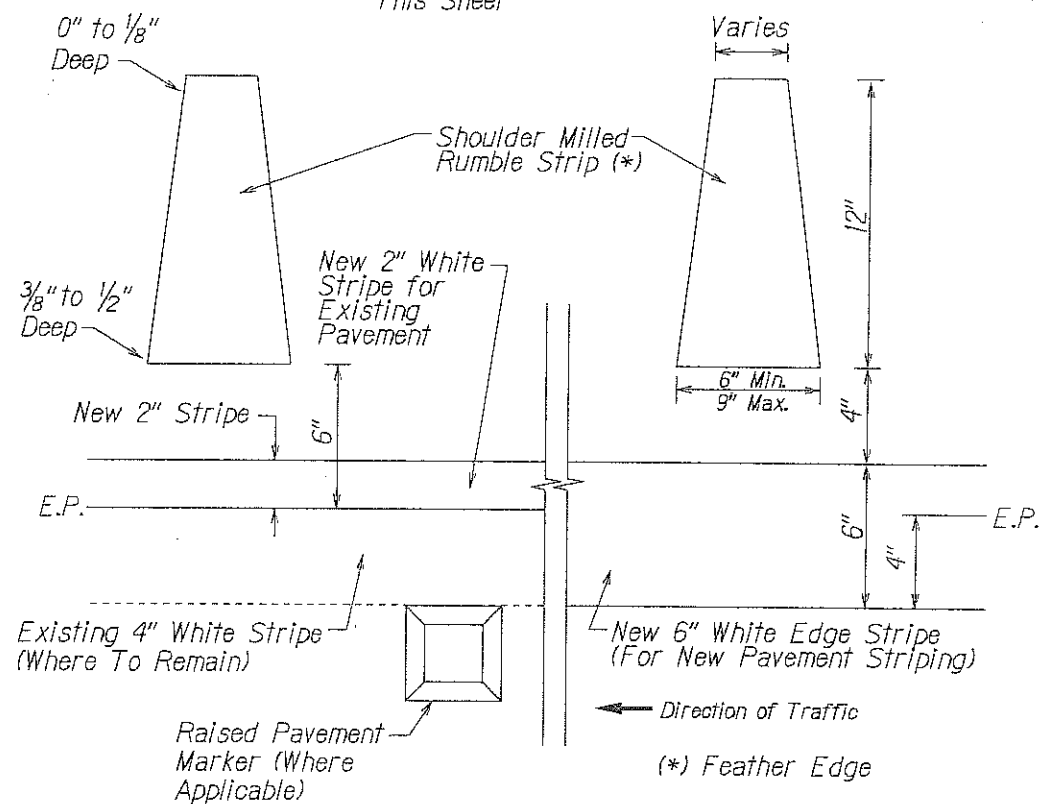


01/17/12	Added/Rev'd Rumble Strip Callout Moved Construction Sign
DATE	REVISION
STATE OF HAWAII DEPARTMENT OF TRANSPORTATION HIGHWAYS DIVISION	
PAVEMENT MARKING & SIGNING PLAN	
KEAAU-PAHOA ROAD Intersection Improvements at Ainaloa Boulevard Federal Aid Project No. HSIP-0130(30)	
Scale: 1"=40'	Date: November 2011
SHEET No. T3 OF 5 SHEETS	

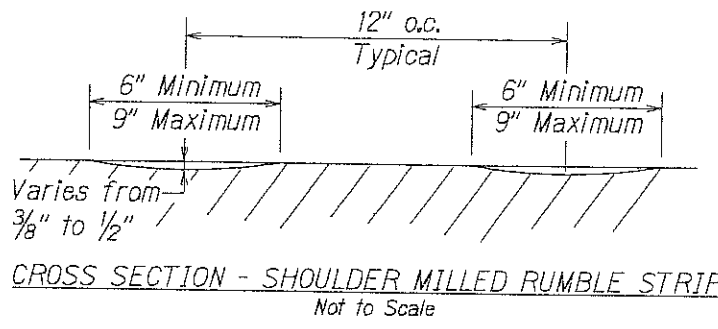
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	HSIP-0130(30)	2011	ADD. 13	13



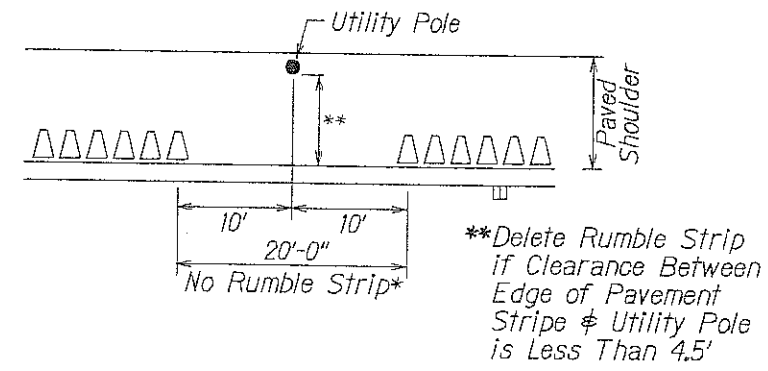
PLAN - SHOULDER MILLED RUMBLE STRIP
Not to Scale



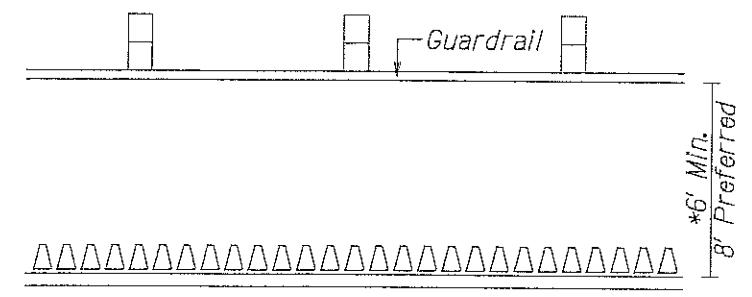
DETAIL - SHOULDER MILLED RUMBLE STRIP
Not to Scale



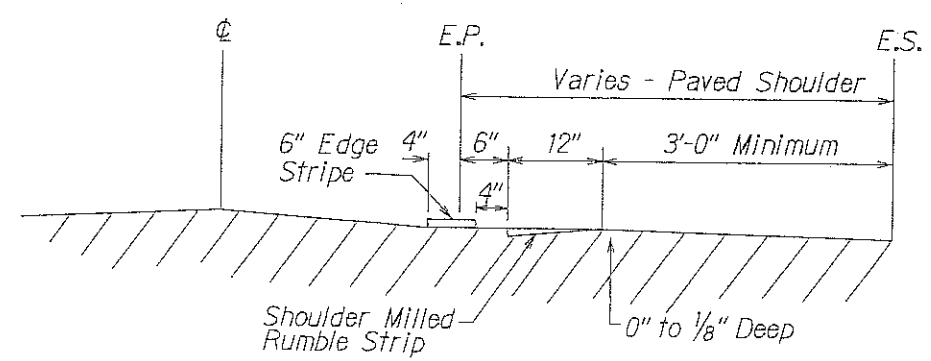
CROSS SECTION - SHOULDER MILLED RUMBLE STRIP
Not to Scale



DETAIL - CONDITION WHERE UTILITY POLE EXISTS
Not to Scale



DETAIL - CONDITION WHERE GUARDRAIL EXISTS
Not to Scale



LONGITUDINAL SECTION - SHOULDER MILLED RUMBLE STRIP
Not to Scale

NOTES:

- Shoulder milled rumble strips may be installed for paved shoulder width of 4.5' or more from edge of pavement (E.P.).
- The method of constructing the shoulder milled rumble strip shall be submitted to the Engineer for acceptance prior to the actual work.
- Dimensions shown are approximate. Adjust rumble strip spacing to coordinate with pavement marking prior to installation.
- Raised pavement markers shall be installed on level surface between the rumble strips. Do not install raised pavement markers inside the milled area.
- The construction of the shoulder milled rumble strip and 13-foot gaps shall be paid for under Item No. 615.0200 - 12-Inch Milled Rumble Strip, Shoulder.
- The milling apparatus, 20 L.F. - 6" white stripe, and removal of existing pavement markings will not be paid for separately and shall be considered incidental to Item 615.0200 - 12-Inch Milled Rumble Strip, Shoulder.
- Rumble strips shall be installed along all shoulders, except at right turn deceleration and acceleration lanes, as noted on the plans.
- Do not place Type "C" Raised Pavement markers within 2 ft. of the 13 ft. Rumble Strip opening.
- Do not install edgeline rumble strips on bridge decks.
- Where at-grade bridges are present, rumble strips shall end/begin 20 L.F. beyond the existing bridge deck joints/concrete approach slab.
- Shoulder Rumble Strips are to be installed after the edge of pavement stripe and before the installation of the Type "C" raised pavement markers.

*If shoulder width is less than 6', do not install shoulder rumble strip where guardrail exists.

01/17/12	Deleted Hot Spray Thermoplastic note
DATE	REVISION
STATE OF HAWAII DEPARTMENT OF TRANSPORTATION HIGHWAYS DIVISION	
SHOULDER MILLED RUMBLE STRIP	
DETAIL FOR SHOULDER 4.5' OR MORE	
KEAAU-PAHOA ROAD Intersection Improvements at Ainaloa Boulevard Federal Aid Project No. HSIP-0130(30)	
Scale: As Shown	Date: November 2011
SHEET No. 75 OF 5 SHEETS	