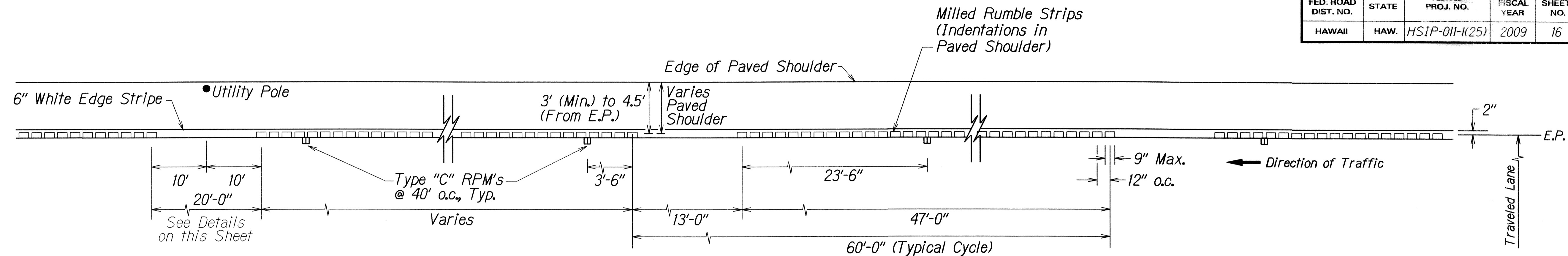
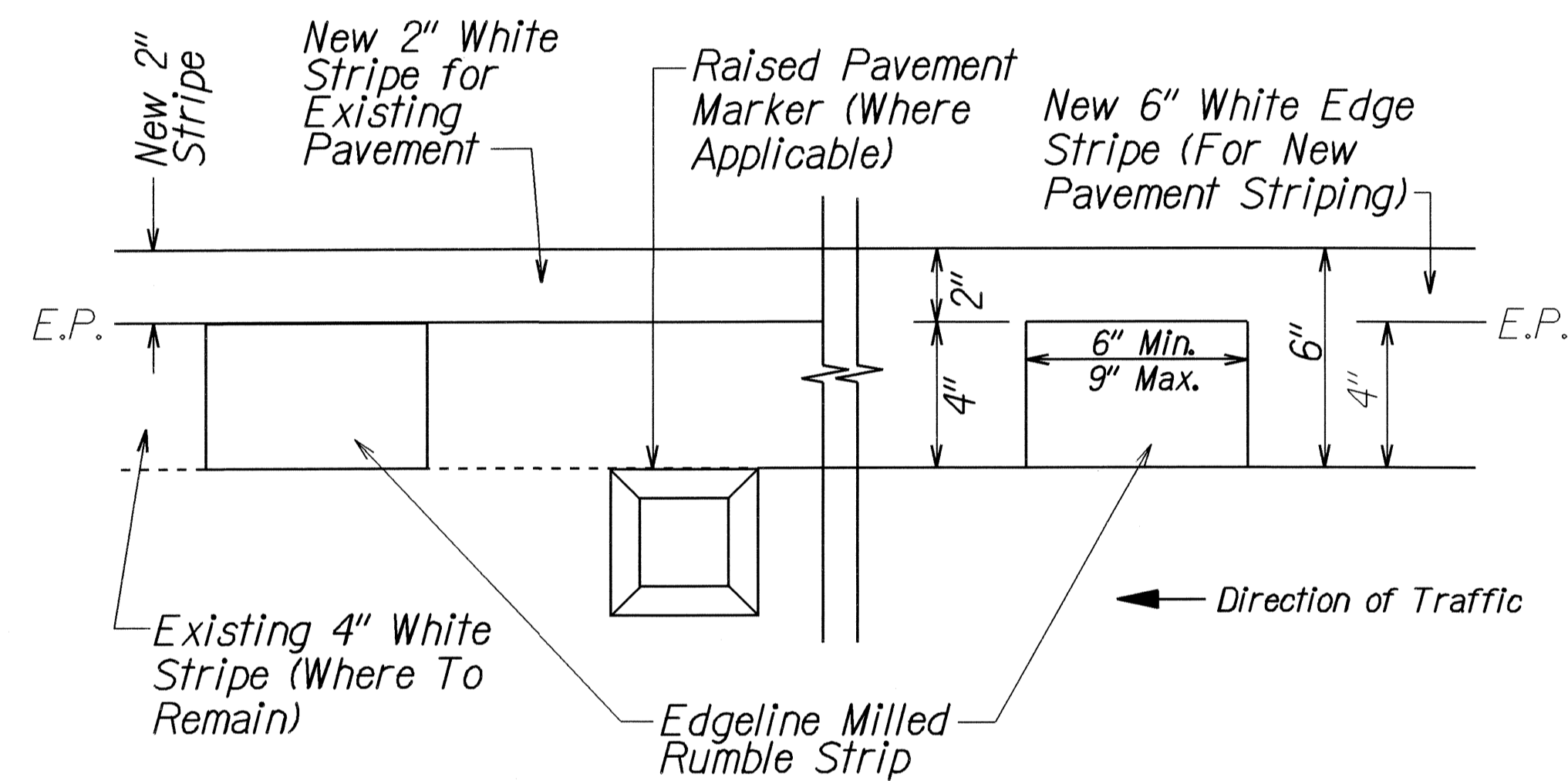


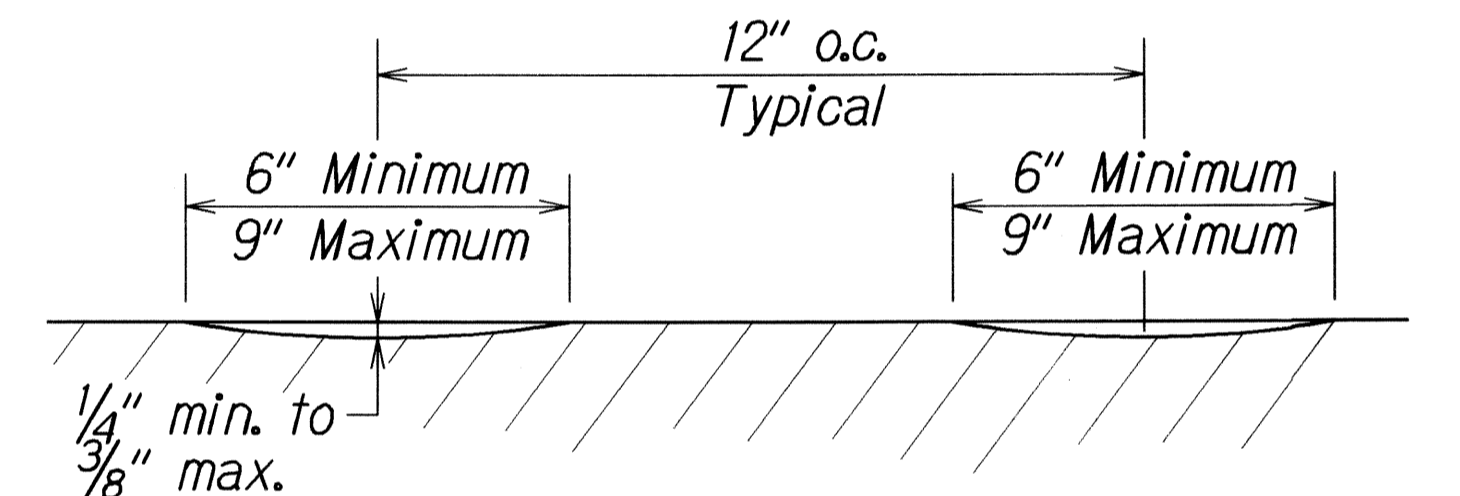
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	HSIP-011-K(25)	2009	16	18



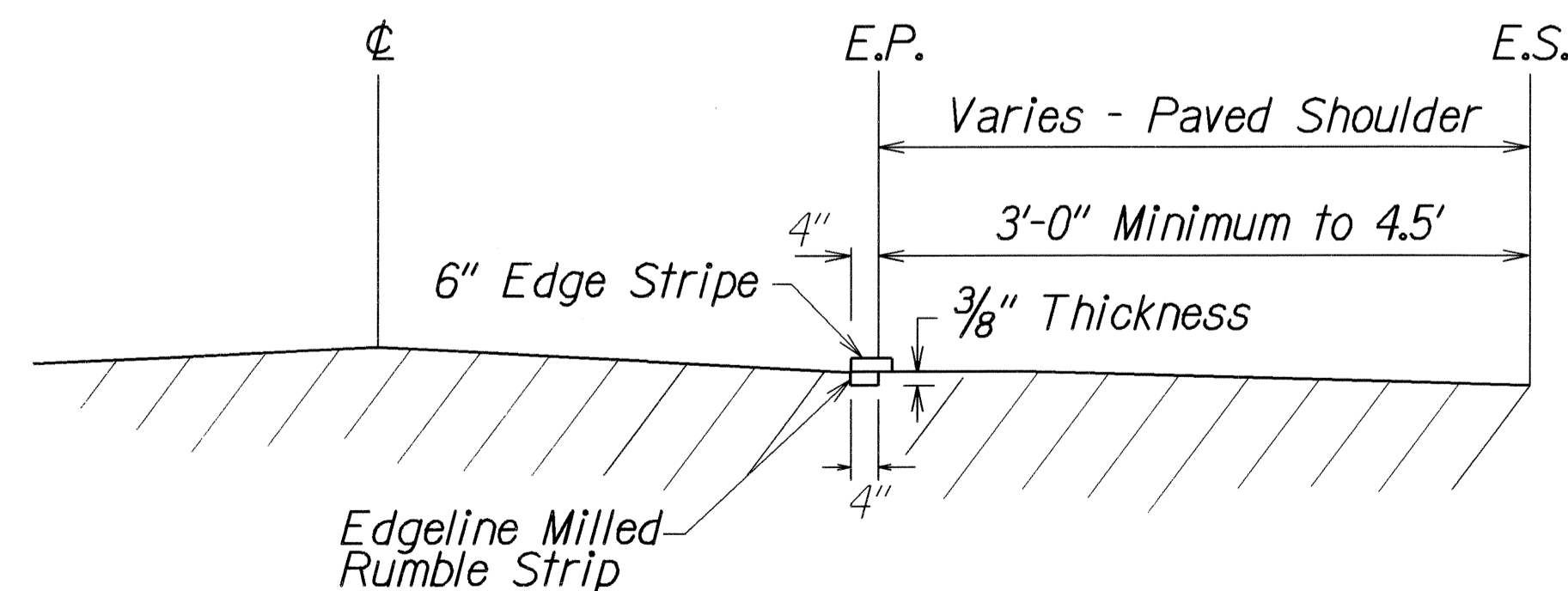
PLAN - EDGELINE MILLED RUMBLE STRIP (3' SHOULDER)  
Not to Scale



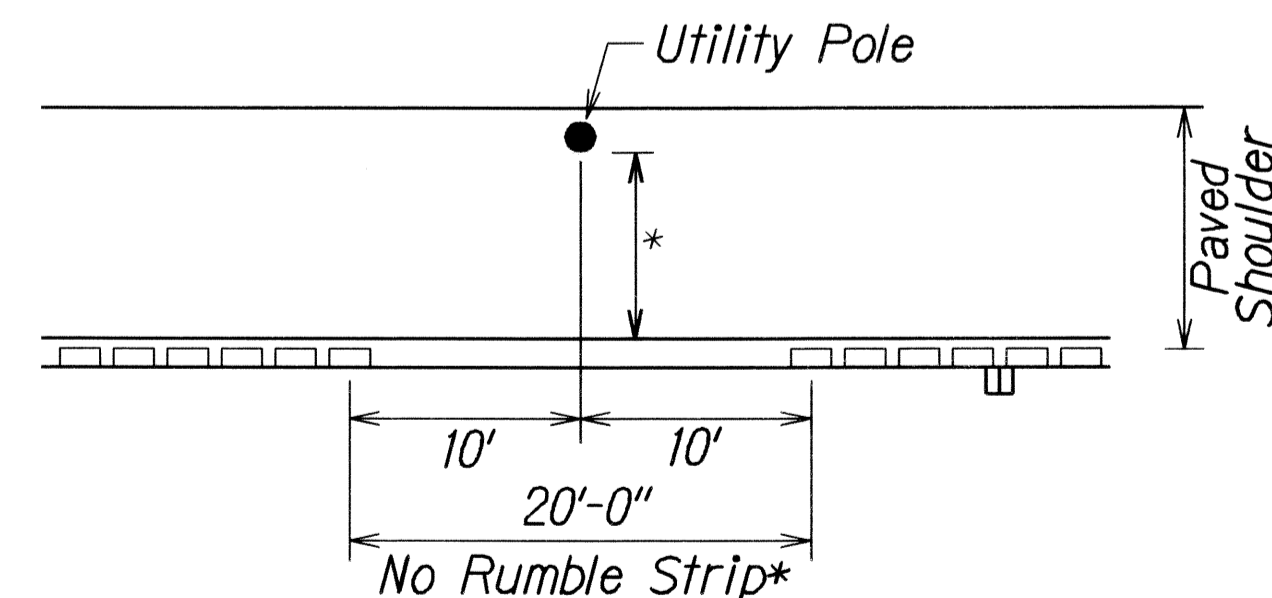
DETAIL - EDGELINE MILLED RUMBLE STRIP  
Not to Scale



CROSS SECTION - EDGELINE MILLED RUMBLE STRIP  
Not to Scale



LONGITUDINAL SECTION - EDGELINE MILLED RUMBLE STRIP  
Not to Scale



\*Delete Rumble Strip if Clearance Between Edge of Pavement Striping & Utility Pole is Less Than 3'

DETAIL - CONDITION WHERE UTILITY POLE EXISTS  
Not to Scale

#### NOTES:

1. Edgeline milled rumble strips may be installed for paved shoulder width of 3' minimum to 4.5' from edge of pavement (E.P.)
2. The method of constructing the edgeline milled rumble strip shall be submitted to the Engineer for acceptance prior to the actual work.
3. Dimensions shown are approximate. Adjust rumble strip spacing to coordinate with pavement marking prior to installation.
4. Raised pavement markers shall be installed on level surface between the rumble strips. Do not install raised pavement markers inside the milled area.
5. The construction of the edgeline milled rumble strip and 13-foot gaps shall be paid for under Item No. 615.0300 - 4-Inch Milled Rumble Strip, Edgeline.
6. The milling apparatus and removal of existing pavement markings will not be paid for separately and shall be considered incidental to Item 615.0300 - 4-Inch Milled Rumble Strip, Edgeline.
7. Rumble strips shall be installed along all shoulders, except at right turn deceleration and acceleration lanes, as noted on the plans.
8. Do not place Type "C" Raised Pavement markers within 2 ft. of the 13 ft. Rumble Strip opening.
9. Do not install edgeline rumble strips on bridge decks.
10. Where at-grade bridges are present, rumble strips shall end/begin 20 L.F. beyond the existing bridge deck joints/concrete approach slab.
11. Edgeline Rumble Strips are to be installed before the edge of pavement stripe and before the installation of the Type "C" raised pavement markers.
12. Hot spray thermoplastic shall be used for solid line markings within the edgeline milled rumble strip area.

SURVEY PLOTTED BY	DATE
DRAWN BY	
DESIGNED BY	
QUANTITIES BY	
CHECKED BY	
ORIGINAL PLAN	
NOTE BOOK	
DATE	
BY	

STATE OF HAWAII DEPARTMENT OF TRANSPORTATION HIGHWAYS DIVISION	
<b>EDGELINE MILLED RUMBLE STRIP</b>	
<b>DETAIL FOR SHOULDER 3' TO 4.5'</b>	
MAMALAHOA HIGHWAY	
SAFETY IMPROVEMENTS	
Vicinity of C.Q. Yee Hop Ranch	
Federal Aid Project No. HSIP-011-K(25)	
Scale: As Shown	Date: May 2009
SHEET No. 1 OF 1 SHEETS	