

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

ADDENDUM NO. 2

FOR

KAUMUALII HIGHWAY RESURFACING
VICINITY OF KIPU ROAD TO ANONUI STREET

PROJECT NO. 50D-01-10M

DISTRICT OF LIHUE

ISLAND OF KAUAI

2010

Amend the Bid Documents as follows:

A. PLANS

- a. Replace Plan Sheet No. 15 with attached Plan Sheet No. ADD.15.

Please acknowledge receipt of this Addendum No. 2 by recording the date of its receipt in the space provided on page P-4 of the Proposal.


BRENNON T. MORIOKA, Ph.D., P.E.
Director of Transportation

4" White Edge Stripe

Utility Pole

3' (Min.) to 4.5' (From E.P.)

Varies Paved Shoulder

Milled Rumble Strips (Indentations in Paved Shoulder)

Edge of Paved Shoulder

Type "C" RPM's @ 40' o.c., Typ.

10' 10' 20'-0"

See Details on this Sheet

Varies

3'-6"

13'-0"

23'-6"

47'-0"

60'-0" (Typical Cycle)

9" Max. 12" o.c.

Direction of Traffic

E.P.

Traveled Lane

DIST. NO.	STATE	PROJ. NO.	YEAR	ADD.
HAWAII	HAW.	50D-01-10M	2010	ADD.

The diagram illustrates a cross-section of a road edge. On the left, a horizontal line is labeled "E.P." (Edge of Pavement). Below this line, a square-shaped "Raised Pavement Marker (Where Applicable)" is shown. To the right of the marker, a vertical line indicates the "New 4" White Edge Stripe". The height of this stripe is dimensioned as "4\"". Further to the right, a horizontal line is also labeled "E.P.". Below this line, a rectangular "Edgeline Milled Rumble Strip" is shown. The width of this strip is dimensioned as "6" Min. 9" Max.". An arrow points to the right, labeled "Direction of Traffic".

The diagram illustrates the placement and dimensions of a raised pavement marker and an edgeline milled rumble strip. A horizontal line represents the pavement surface, with 'E.P.' (Edge of Pavement) labels at both ends. A vertical line indicates the 'New 8" White Edge Stripe'. A raised pavement marker is shown as a square with a smaller square inside, with dimensions of 4" by 4". The distance from the edge stripe to the marker is 8". The distance from the marker to the rumble strip is 6" Min. to 9" Max. The rumble strip is a rectangular area with a width of 4" and a length of 4". An arrow points to the rumble strip with the label 'Edgeline Milled Rumble Strip'. Another arrow points to the rumble strip with the label 'Direction of Traffic'.

Diagram illustrating the cross-section of a shoulder, showing dimensions and components:

- Centerline (C.L.)**: Indicated by a vertical line on the left.
- Edge Line (E.L.)**: Indicated by a vertical line on the right.
- Edge Stripe**: A horizontal line segment labeled "4" Edge Stripe or 8" Edge Stripe".
- Shoulder Width**: The distance from the centerline to the edge line, labeled "Varies - Paved Shoulder".
- Minimum Width**: The distance from the centerline to the edge line, labeled "3'-0" Minimum to 4.5'".
- Thickness**: The vertical height of the shoulder, labeled "3/8" Thickness".
- Edgeline Milled Rumble Strip**: A horizontal line segment at the bottom, labeled "Edgeline Milled Rumble Strip".
- Dimensions**:
 - 4" (width of the edge stripe)
 - 4" (width of the shoulder)
 - 4" (width of the rumble strip)

Utility Pole

Paved Shoulder

*

10' 10'

20'-0"

No Rumble Strip*

Diagram illustrating the typical spacing of reinforcement bars. The spacing is 12" o.c. (on center). The lap length is 6" Minimum to 9" Maximum. The bars are positioned 1/4" min. to 3/8" max. above the concrete surface.

DETAIL - CONDITION WHERE UTILITY POLE EXISTS
Not to Scale

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. 615.0200 - 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 615.0200 - 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.*

ADD.15