

FED.ROAD DIST.NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	99C-02-00	2001	25	51

LEGEND

4 each Type A Raised Pavement Markers  
Type C Raised Pavement Markers @ 40'-0" o.c.

4 each Type J Raised Pavement Markers  
Type D Raised Pavement Markers @ 40'-0" o.c.

8" White Stripe with Type C Raised Pavement  
Markers @ 20'-0" o.c. (Tape, Type I or  
Thermoplastic Extrusion)

4" Double Solid Yellow with Type D  
Raised Pavement Markers @ 20'-0" o.c.  
(Tape, Type I or Thermoplastic Extrusion)

4" Double Solid Yellow Stripes with Type H  
Raised Pavement Markers @ 20'-0" o.c.  
(Tape, Type II or Thermoplastic Extrusion)

4" Yellow Edge Stripe with Type H Raised  
Pavement Markers @ 40'-0" o.c.  
(Tape, Type II or Thermoplastic Extrusion)

4" Double Solid White Stripes with Type C  
Raised Pavement Markers @ 20'-0" o.c.  
(Tape, Type I or Thermoplastic Extrusion)

Lane Change Restriction Marking  
4 each Type A Raised Pavement Markers  
Type C Raised Pavement Markers @ 20'-0" o.c.  
4" White Stripe (Tape, Type I or Thermoplastic  
Extrusion)

4" or 8" White Edge Stripe with Type C Raised  
Pavement Markers @ 40'-0" o.c. (Tape, Type II or  
Thermoplastic Extrusion)

4" White Guide Lines (Tape, Type III or  
Thermoplastic Extrusion except for bus bays)

Transverse Median Marking (Tape, Type II or  
Thermoplastic Extrusion)

Transverse Shoulder Marking (Tape, Type II or  
Thermoplastic Extrusion)

Channelizing Island or Deceleration Lane Gore  
(Tape, Type II or Thermoplastic Extrusion)

Crosswalk and Stop Line. All Stop Lines  
shall be 10'-0" from Crosswalk unless  
otherwise noted. The circled number  
indicates the number of lanes for payment  
(Tape, Type III or Thermoplastic Extrusion)

Pavement Arrow (Tape, Type III or Thermoplastic  
Extrusion)

STOP

Pavement Word (Tape, Type III or Thermoplastic  
Extrusion)

4 Each Type J Raised Pavement Markers  
Type D Raised Pavement Markers @ 40'-0" o.c.  
Type H Raised Pavement Markers (Reflective  
Surface facing no-passing direction)  
4" Single Solid Yellow Stripe (Tape, Type I or  
Thermoplastic Extrusion)

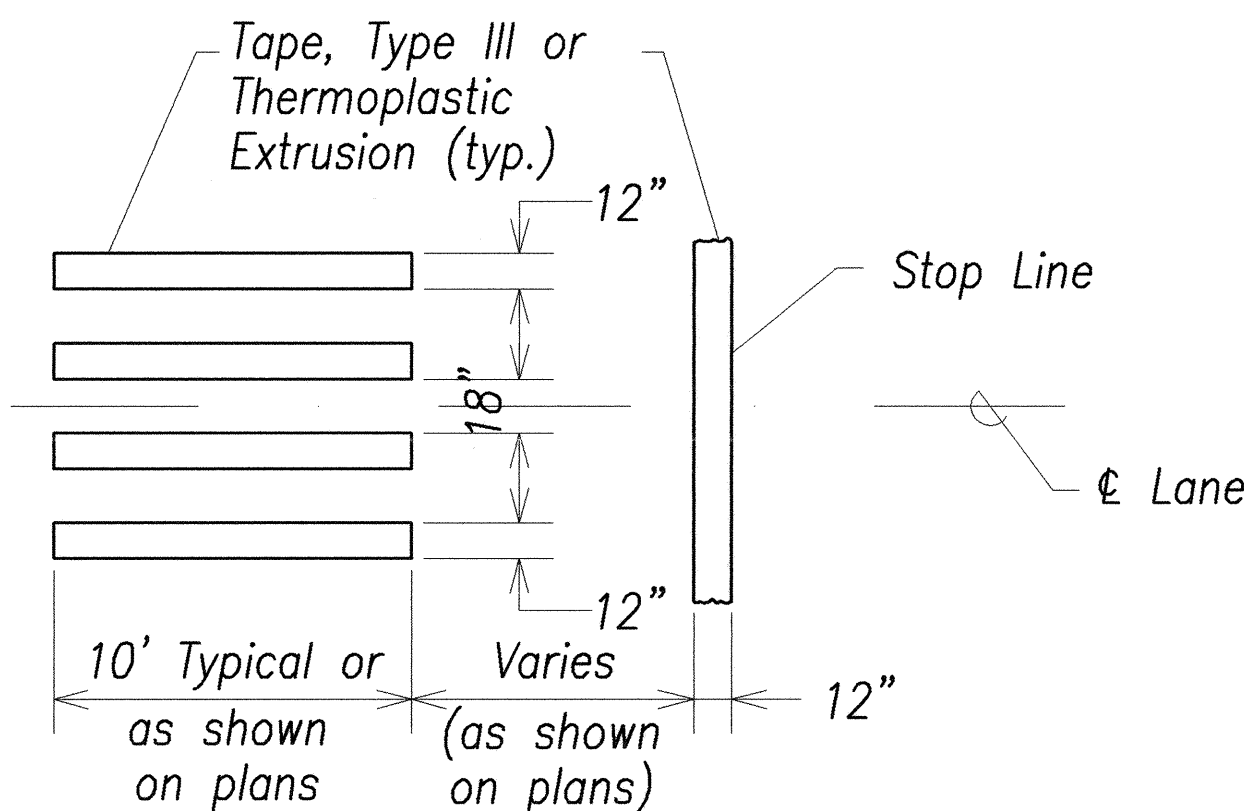
Bike Lane Marking, 4" Wide x 3'-0" Long White  
Stripe (Tape, Type III or Thermoplastic Extrusion)

NOTES

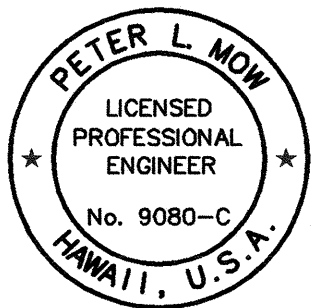
- Layout of pavement markings and striping shall be done by the Contractor and approved by the Engineer prior to any installation work.
- Existing pavement markings not incorporated in the final traffic pattern shall be removed as directed by the Engineer. Costs shall be incidental to the various pavement marking items.
- Raised pavement markers shall not be installed within crosswalks.
- Final locations of all signs shall be approved by the Engineer prior to any installation work.
- 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.
- Final locations of all Stop Lines shall be approved by the Engineer prior to installation.
- All pavement striping shall be as noted on the legend or plans.
- All preformed pavement marking tapes over existing pavement shall be applied with an approved primer as recommended by the tape manufacturer and as approved by the Engineer. The primer shall be allowed to dry to the tacky stage prior to tape application.
- Curb marking shall include top of curb and both sides.
- Backing for all new Regulatory and Warning Signs shall not be spliced.
- All sign panels shall conform to Section 621 of Special Provisions and the latest editions and amendments of the following FHWA publications:
  - "Manual on Uniform Traffic Control Devices for Streets and Highways" (MUTCD)
  - "Standard Highway Signs"
  - "Standard Alphabets for Highway Signs"
- Border, messages, arrows, symbols and shields shall conform to details as shown on the plans and as specified in the MUTCD.
- Sign messages shall be as indicated on the plan.
- All panels shall be reflectorized in accordance with Section 712.20 of the Standard Specifications. Minimum width of panels shall be 2 feet, 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.
- All new and relocated signs and markers installed on pipe posts, light standard or expressway sign post are to be mounted with band brackets and steel braces.
- Final location of all sign post installed within the sidewalk areas shall maintain a minimum clearance width of 36 inches from sidewalk edge to provide for wheelchair accessibility.
- Removing existing signs and reinstalling on new post shall not be paid for separately, but shall be considered incidental to the various signing items.
- Signs placed along bikeways shall have a minimum height clearance of 8'-0".
- All existing sign post(s) to remain within the sidewalk area shall meet the minimum clear width of 36 inches from the sidewalk edge. Where necessary, the existing sign post(s) shall be relocated to meet the minimum clear width. This work shall not be paid for separately but shall be considered incidental to the various signing items.
- Removing and reinstalling existing street name signs on regulatory and warning signs post shall not be paid for separately but shall be considered incidental to the various signing items.
- Install Type II Object Marker on all utility poles or trees that are within the State Highway right-of-way and within 50 feet of the roadway edge of pavement shall be marked as directed by the Engineer.
- Removing and reinstalling existing Army signs shall not be paid for separately but shall be considered incidental to the various signing items.
- All temporary pavement markings, signs and stripe shall not be paid for separately but shall be considered incidental to the various contract items.

REFLECTOR MARKER LEGEND

RM-3 Reflector Marker w/Flexible Delineator Post



CROSSWALK STRIPING DETAIL  
Not to Scale



THIS WORK WAS PREPARED BY  
ME OR UNDER MY SUPERVISION  
*Peter L. Mow*  
ENGINEERS SURVEYORS HAWAII, INC.

STATE OF HAWAII  
DEPARTMENT OF TRANSPORTATION  
HIGHWAYS DIVISION

**PAVEMENT MARKING, STRIPING  
& SIGNAGE NOTES AND LEGEND**

**WILIKINA DR INTERSECTION IMPROVEMENTS**  
**AT McNAIR GATE**  
**Project No. 99C-02-00**

Scale: No Scale Date: Sep 2000

**SHEET No. 1 OF 1 SHEETS**