

FED. ROAD DIST. NO.	STATE	FED-AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	STP-0550(004)	2013	15	24

LEGEND

	4 each Type A Raised Pavement Markers Type C Raised Pavement Markers @ 20'-0" o.c.
	4 each Type J Raised Pavement Markers Type D Raised Pavement Markers @ 20'-0" o.c.
	8" White Stripe with Type C Raised Pavement Markers @ 10'-0" o.c. (Tape, Type I, or Thermoplastic Extrusion)
	4" Double Solid Yellow Stripes with Type D Raised Pavement Markers on both outside edges of 4" yellow line @ 10'-0" o.c. (Thermoplastic Hot Spray Extrusion)
	4" Double Solid Yellow with Type H Raised Pavement Markers on both outside edges of 4" yellow line @ 10'-0" o.c. (Tape, Type II, or Thermoplastic Extrusion)
	4" Yellow Edge Stripe with Type H Raised Pavement Markers @ 20'-0" o.c. (Tape, Type II, or Thermoplastic Extrusion)
	4" Double Solid White Stripe with Type C Raised Pavement Markers on both outside edges of 4" yellow line @ 10'-0" o.c. (Tape, Type II, or Thermoplastic Extrusion)
	Lane Change Restriction Marking
	4 each Type A Raised Pavement Markers Type C Raised Pavement Markers @ 10'-0" o.c. 4" White Stripe (Tape, Type I, or Thermoplastic Extrusion)
	4" or 8" White Edge Stripe with Type C Raised Pavement Markers @ 20'-0" o.c. (Tape, Type II, or Thermoplastic Hot Spray 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)
	Pavement Word (Tape, Type III or Thermoplastic Extrusion)
	4 Each Type J Raised Pavement Markers Type D Raised Pavement Markers @ 20'-0" o.c. Type H Raised Pavement Markers (Reflective Surface facing no-passing direction) 4" Single Solid Yellow Stripe (Tape, Type I, Thermoplastic Hot Spray or Thermoplastic Extrusion)
	Extension of Edge Line, 4" Wide x 2'-0" Long White Stripe @ 10'-0" o.c. w/Type C Markers @ 40'-0" o.c. (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.
- The Contractor shall erect at the beginning of the project and at the end of the project advance construction warning signs as indicated on the plans or as directed by the Engineer. The signs shall be kept in place for the duration of the project and shall be maintained by the Contractor. These signs shall be placed in addition to the required traffic control signs called for in Section 645 - Work Zone Traffic Control. The advance construction warning signs shall be new and become the property of the Contractor.
- 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.
- Backing for all new regulatory and warning signs shall not be spliced.
- All sign panels shall conform to Section 630 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"
- State Route Marker Symbols, borders, messages, arrows, symbols and shields shall conform to details as shown on the plans and as specified in the MUTCD.
- 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.
- Removal of existing delineators and posts, as directed by the Engineer or shown on the plans, shall be considered incidental to the various signing items.
- Removal and reinstalling existing street name signs on regulatory and warning sign post shall not be paid for separately but shall be considered incidental to the various signing items.
- All Reflector Marker (RM-2) not protected by a vehicular barrier shall be mounted on a flexible delineator post unless otherwise directed by the Engineer.

ROUTE MARKER ASSEMBLIES

SIGN ASSEMBLY	SIGN NO. AND MESSAGE	TYPE A ASSEMBLY		TYPE B ASSEMBLY	
		W/ POST	W/O POST	W/ POST	W/O POST
RMA-1	M2-1 JCT M1-6(552) 552	2	—	—	—
RMA-2	M1-6(552) 552 550 M1-6(550) M6-1(L) ← ↑ M6-3	—	—	1	—
RMA-3	M1-6(550) 550 552 M1-6(552) M6-2(L) ↗ ↘ M6-1R	—	—	1	—
TOTAL		2	0	2	0

LEGEND FOR  
AS-BUILT POSTINGS

	Squiggly line for as-built deletion
	Double line for as-built deletion
Roadway	Text for as-built posting

STATE OF HAWAII  
DEPARTMENT OF TRANSPORTATION  
HIGHWAYS DIVISION

**PAVEMENT MARKING, NOTES,**  
**LEGEND & SIGN DETAILS**

WAIMEA CANYON DRIVE/KOKEE ROAD RESURFACING  
Mile Post 6.0 to Mile Post 8.5  
Fed-Aid Proj. No. STP-0550(004)

Scale: As Noted Date: Dec. 2012

SHEET No. 11 OF 10 SHEETS