

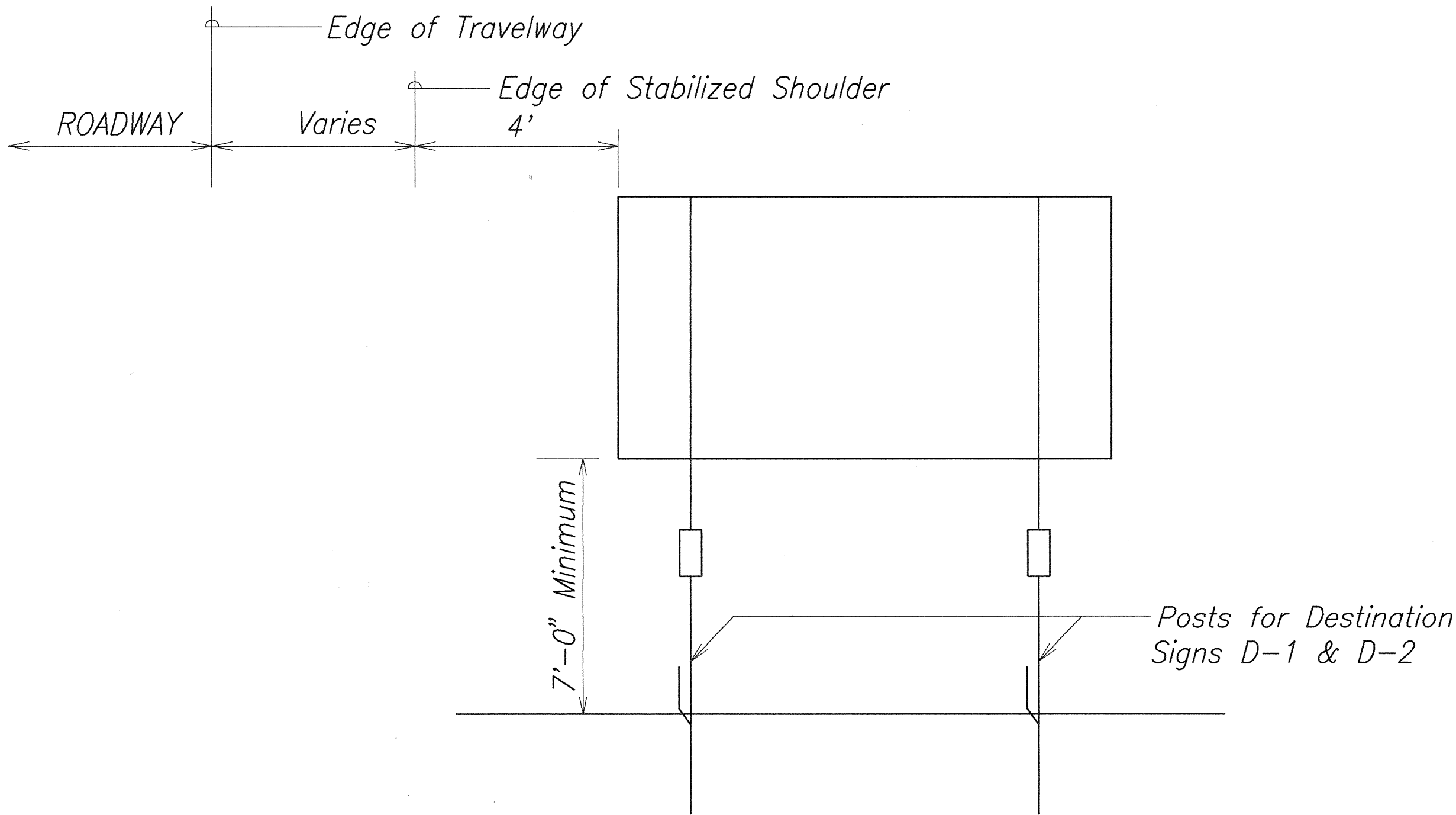
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	FLH-0560(11)	2000	6	31

LEGEND

- 4 each Type A Raised Pavement Markers  
Type C Raised Pavement Markers @ 40' o.c.
- 4 each Type J Raised Pavement Markers  
Type D Raised Pavement Markers @ 40' o.c.
- 8" White Stripe with Type C Raised Pavement Markers @ 20' o.c. (Tape, Type I or Thermoplastic Extrusion)
- 4" Double Solid Yellow with Type D Raised Pavement Markers @ 20' o.c. (Tape, Type I or Thermoplastic Extrusion)
- 4" Double Solid Yellow Stripes with Type H Raised Pavement Markers @ 20' o.c. (Tape, Type II or Thermoplastic Extrusion)
- 4" Yellow Edge Stripe with Type H Raised Pavement Markers @ 40' o.c. (Tape, Type II or Thermoplastic Extrusion)
- 4" Double Solid White Stripes with Type C Raised Pavement Markers @ 20' 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' o.c.  
4" White Stripe (Tape, Type I or Thermoplastic Extrusion)
- 4" or 8" White Edge Stripe with Type C Raised Pavement Markers @ 40' o.c. (Tape, Type II or Thermoplastic Extrusion)
- 4" White Guide Lines (Tape, Type III or Thermoplastic Extrusion except for bus bays)
- 12" Yellow Transverse Median Marking (Tape, Type II or Thermoplastic Extrusion)
- 12" Wide White Transverse Shoulder Marking (Tape, Type II or Thermoplastic Extrusion)
- Channelizing Island or Deceleration Lane Gore (Tape, Type II 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' o.c.  
Type H Raised Pavement Markers (Reflective Surface facing no-passing direction)  
4" Single Solid Yellow Stripe (Tape, Type I or Thermoplastic Extrusion)
- Extension of Edge Line, 4" Wide x 2' Long White Stripe @ 10' o.c. with Type C Raised Pavement Markers @ 40' o.c. (Tape, Type III or Thermoplastic Extrusion)
- Reflector Marker (RM-2, White) with Post
- Reflector Marker (RM-2, Yellow) with Post
- Reflector Marker (RM-3) with Post
- Reflector Marker (RM-4, (L) or (R)) with Post

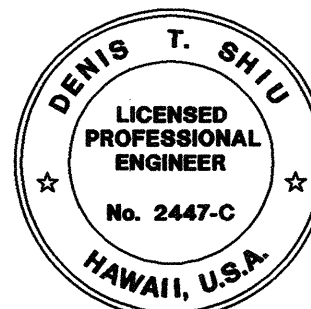
NOTES

- 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. The 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's 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 advanced construction warning signs at the beginning and at the end of the project site. Construction warning signs shall be placed 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 645T—Traffic Control. The advanced construction warning signs shall be new and become the property of the State. The Contractor shall remove, clean and deliver the signs and posts to the Kauai District Baseyard or as directed by the Engineer of the project.
- 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 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"



FRAME LAYOUT DETAIL

Not to Scale



THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION

*Dennis T. Shiu*

DATE	REVISION
STATE OF HAWAII DEPARTMENT OF TRANSPORTATION HIGHWAYS DIVISION PAVEMENT MARKING LEGEND, NOTES AND FRAME LAYOUT DETAIL KUHIO HIGHWAY, REMOVE/REPAIR/REPLACE METAL MEMBERS, HANALEI BRIDGE Federal Aid Project No. FLH-0560(11) Scale: Date: Jan. 2000	
SHEET No. 1 OF 1 SHEETS	

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	FLH-0560(11)	2000	8	31

CONSTRUCTION SIGN SUMMARY			
SIGN NO.	MESSAGE	W/POSTS	W/O POSTS
CW20-1A(d)	ROAD WORK AHEAD	3	—
CG20-2A	END ROAD WORK	3	—
	TOTAL	6	—

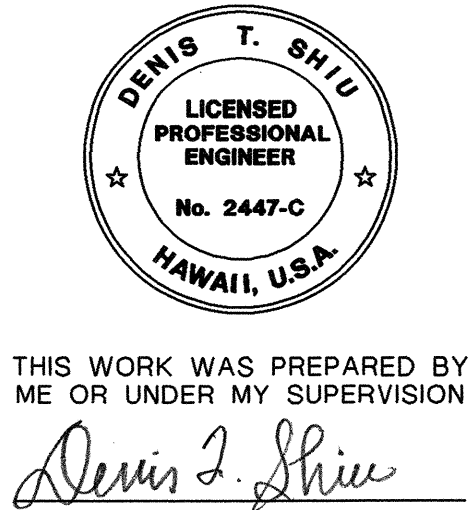
PAVEMENT MARKING SUMMARY	
DESCRIPTION	QUANTITY
PAVEMENT MARKERS	
TYPE A _____	0 EA.
TYPE C _____	5 EA.
TYPE D _____	0 EA.
TYPE H _____	0 EA.
* TAPE - TYPE I OR THERMOPLASTIC EXTRUSION	
4-INCH PAVEMENT STRIPE (WHITE) _____	0 L.F.
8-INCH PAVEMENT STRIPE (WHITE) _____	0 L.F.
DOUBLE 4-INCH PAVEMENT STRIPE (YELLOW) _____	0 L.F.
** TAPE - TYPE II OR THERMOPLASTIC EXTRUSION	
8-INCH PAVEMENT STRIPE (WHITE) _____	150 L.F.
12-INCH PAVEMENT STRIPE (WHITE) _____	0 L.F.
12-INCH PAVEMENT STRIPE (YELLOW) _____	0 L.F.
DOUBLE 4-INCH PAVEMENT STRIPE (YELLOW) _____	0 L.F.
*** TAPE - TYPE III OR THERMOPLASTIC EXTRUSION	
4-INCH PAVEMENT STRIPE (WHITE) _____	0 L.F.
4-INCH PAVEMENT STRIPE (YELLOW) _____	0 L.F.
12-INCH PAVEMENT STRIPE (WHITE) _____	24 L.F.
PAVEMENT ARROW _____	0 EA.

- Notes:
- \* Tape, Type I or Thermoplastic Extrusion (No Passing Zones, Channelizing Lines or Solid Lines)
  - \*\* Tape, Type II or Thermoplastic Extrusion (Transverse Median Markings, Transverse Shoulder Markings, Channelizing Islands or Edge Striping)
  - \*\*\* Tape, Type III, or Thermoplastic Extrusion (Guide Lines, Stop Lines, Extension of Edge Lines, Crosswalk Markings, Pavement Words or Pavement Arrows)

REFLECTOR MARKER SUMMARY						
TYPE	QUANTITY					
	W/O POST		W/FLEXIBLE POST		W/STEEL POST	
	YELLOW	WHITE	YELLOW	WHITE	YELLOW	WHITE
RM-2	—	—	—	—	—	—
* RM-3	12	—	—	—	3	—
** OM, Type II	—	—	—	—	—	—

- NOTES:
- \* Install RM-3 w/o steel post on new and relocated permanent signs and on construction warning signs (to be installed on all posts of signs).
  - \*\* Install Object Marker (OM-II) w/o steel post on all utility poles that are located within 30 feet of the edge of paved shoulder.

SURVEY PLOTTED BY _____	DATE _____
DESIGNED BY _____	
TRACED BY _____	
NOTEBOOK _____	
QUANTITIES BY _____	
CHECKED BY _____	
ORIGINAL PLAN _____	
skulscn1.dgn	
No. _____	



DATE	REVISION
STATE OF HAWAII DEPARTMENT OF TRANSPORTATION HIGHWAYS DIVISION <b>TRAFFIC SIGN SUMMARY AND PAVEMENT MARKING SUMMARY</b> KUHIO HIGHWAY, REMOVE/REPAIR/REPLACE METAL MEMBERS, HANAIEI BRIDGE Federal Aid Project No. FLH-0560(11) Scale: _____ Date: Jan. 2000	
SHEET No. 1 OF 1 SHEETS	