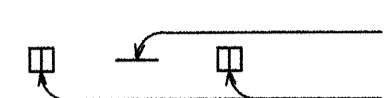
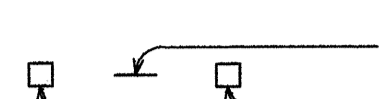






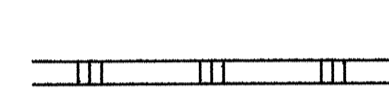




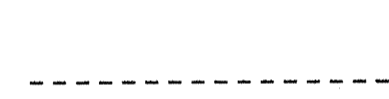

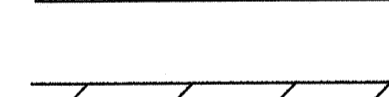




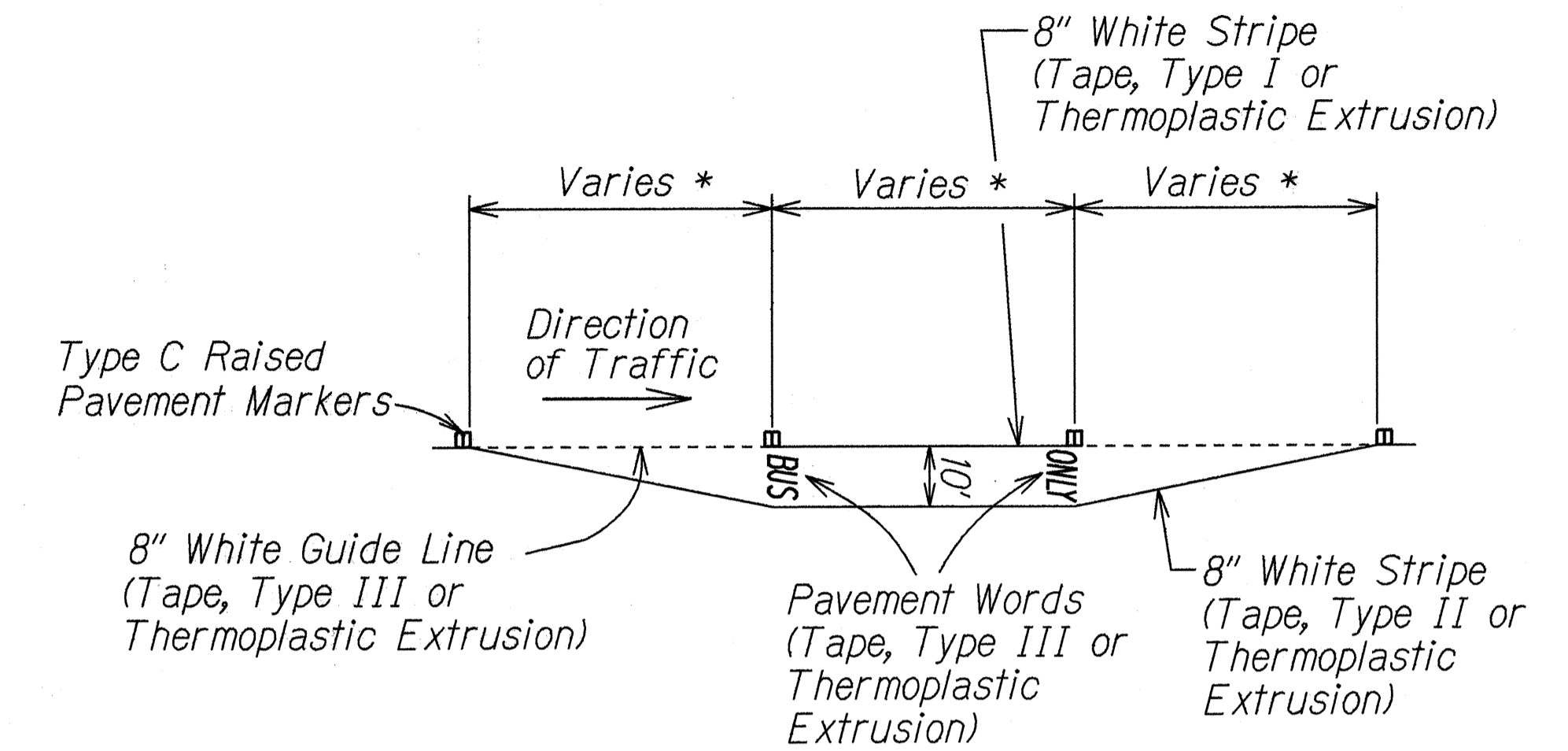
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	STP-083-1(30)	1994	9	11

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)
-  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

1. Layout of pavement markings and striping shall be done by the Contractor and approved by the Engineer prior to any installation work.
2. 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.
3. Raised pavement markers shall not be installed within crosswalks.
4. Final locations of all signs shall be approved by the Engineer prior to any installation work.
5. 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.
6. Final locations of all Stop Lines shall be approved by the Engineer prior to installation.
7. All pavement striping shall be as noted on the Legend or plans.
8. 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.
9. 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.
10. Backing for all new regulatory and warning signs shall not be spliced.
11. All sign panels shall conform to Section 621 of Special Provisions and the latest editions and amendments of the following FHWA publications:
 - a. "Manual on Uniform Traffic Control Devices for Streets and Highways" (MUTCD)
 - b. "Standard Highway Signs"
 - c. "Standard Alphabets for Highway Signs"
12. The Contractor shall erect and maintain at the beginning and end of the project advance construction warning signs placed as indicated on the plans or as directed by the Engineer for the duration of the highway project. These Signs shall be placed in addition to the required traffic control signs called for in Section 645 - Traffic Control. The advance 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 Oahu District Baseyard or as directed by the Engineer upon the completion of the project.
13. The Contractor shall refer to Section 645 of the special Provisions for typical traffic control plans. The Contractor may revise the following traffic control plans upon approval of the Engineer.
 - a. The Contractor shall follow Figure 1 (Two-Lane Highway - One Lane Closed) during guardrail and signing and pavement marking work.
 - b. The Contractor shall follow Figure 2 (Two-Lane Bridge - One Lane Closed) when bridge repair work requires the closure of one lane.
 - c. The Contractor shall follow Figure 3 (Two-Lane Bridge - Two Lanes Open) when repairs are be done underneath the bridge.
14. Removal of Existing Delineators and Posts not incorporated in the plans or as directed by the Engineer shall be considered incidental to the various signing items.



* Dimension Varies from 50'-0" to 90'-0". Final layout of striping shall be approved by the Engineer.

TYPICAL BUS BAY STRIPING
Not to Scale

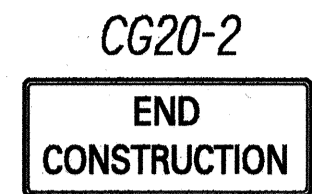
ORIGINAL PLAN	DATE
SURVEY PLOTTED BY	4/17/94
DRAWN BY	
TRACED BY	
NOTED BY	
DESIGNED BY	
CHECKED BY	

6/13/94	Revised Typical Bus Bay Striping
DATE	REVISION
STATE OF HAWAII DEPARTMENT OF TRANSPORTATION HIGHWAYS DIVISION PAVEMENT MARKING LEGEND, DETAILS & NOTES KAMEHAMEHA HIGHWAY Repair of Waimea & Paumalu Bridges Fed. Aid Project No. STP-083-1(30) Date: April, 1994	
SHEET No. 11 OF 3 SHEETS	

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	STP-083-(130)	1994	10	11



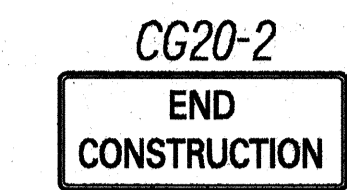
Install New Sign w/two posts @ Sta. 113+10± Rt.



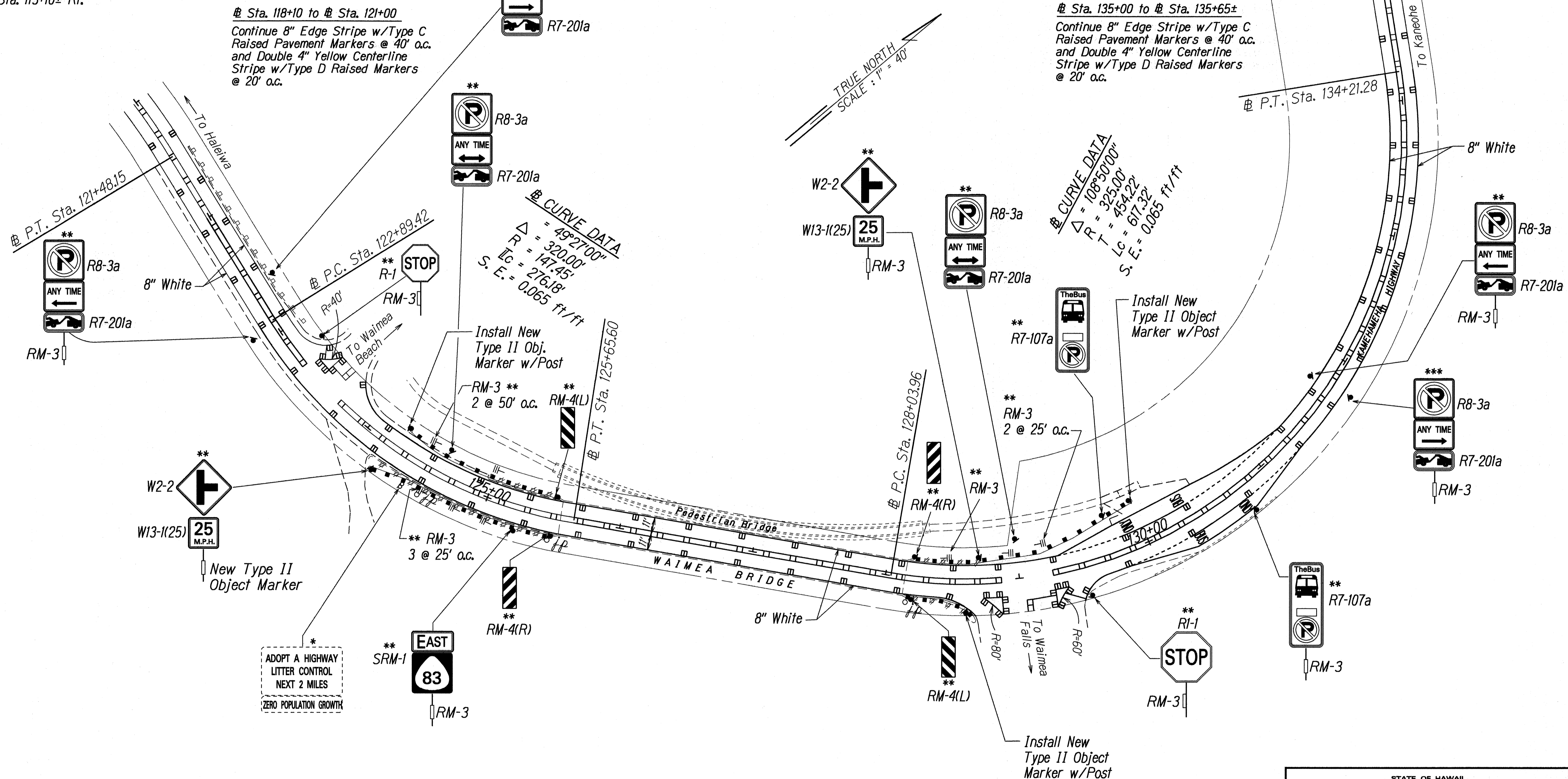
Install New Sign w/two posts @ Sta. 113+10± Lt.



Install New Sign w/two posts @ Sta. 140+65± Lt.



Install New Sign w/two posts @ Sta. 140+65± Rt.



SURVEY PLOTTED BY	DATE
DRAWN BY H. Ahi	4/1/94
TRACED BY C. Ahe	
NOTED BY C. Ahe	
QUANTITIES BY	
CHECKED BY	
ORIGINAL PLAN	
NOTE BOOK	
FOR	
CHECKED BY	

- KEY:**
- * Exist. Sign(s) & Post(s) to Remain
 - ** Remove Exist. Sign(s) or Reflector Marker(s) w/Post & Install New Sign(s) or Reflector Marker(s) w/Post
 - *** Install New Sign(s) or Reflector Marker(s) w/Post

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

**PAVEMENT MARKING
& SIGNING PLAN**

KAMEHAMEHA HIGHWAY

Repair of Waimea & Paumalu Bridges
Fed. Aid Project No. STP-083-(130)

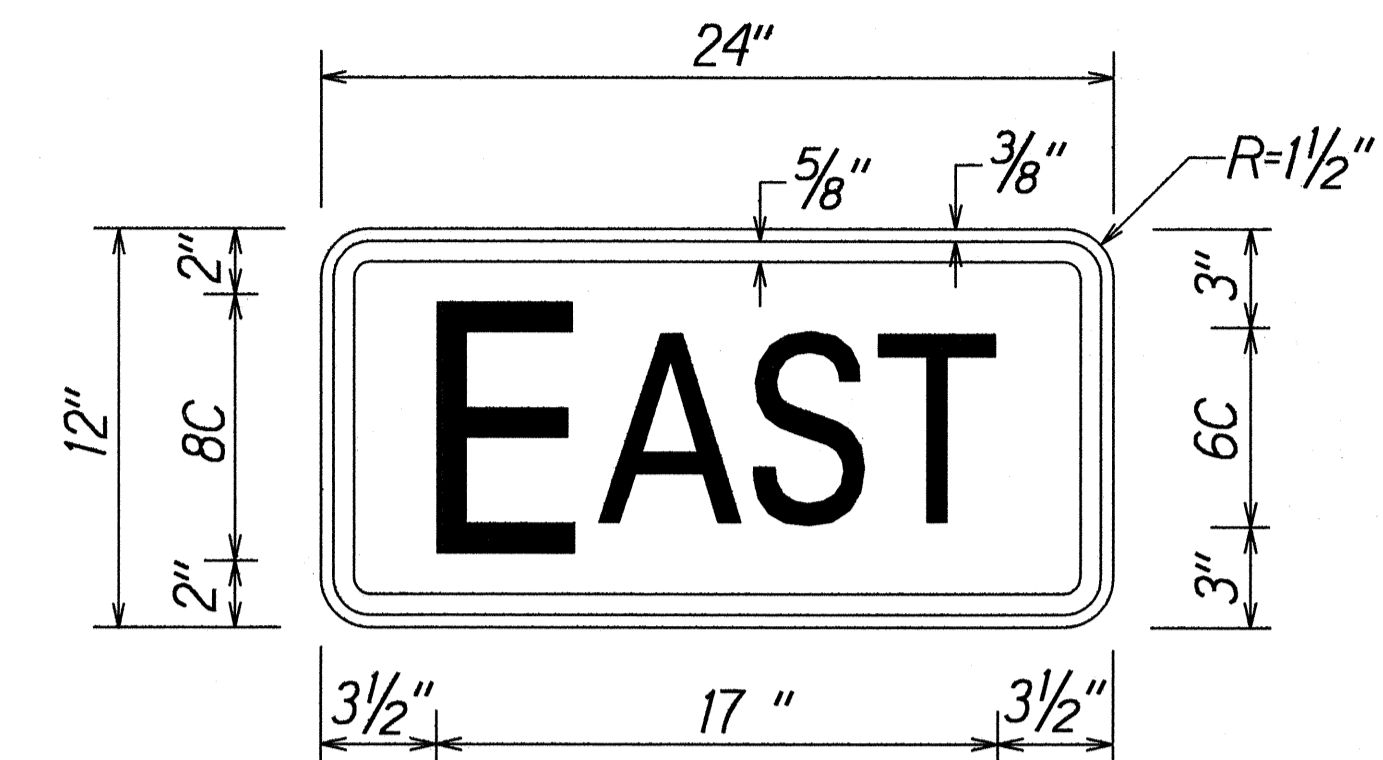
Scale: 1" = 40'-0" Date: April 1994

SHEET No. T2 OF 3 SHEETS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	STP-083-1(30)	1994	11	11

PAVEMENT MARKING SUMMARY	
DESCRIPTION	QUANTITY
PAVEMENT MARKERS	
TYPE C _____	108 EA.
TYPE D _____	88 EA.
TAPE - TYPE I OR THERMOPLASTIC EXTRUSION	
8-INCH PAVEMENT STRIPE (WHITE) _____	110 L.F.
DOUBLE 4-INCH PAVEMENT STRIPE (YELLOW) _____	1,755 L.F.
TAPE - TYPE II OR THERMOPLASTIC EXTRUSION	
8-INCH PAVEMENT STRIPE (WHITE) _____	3,800 L.F.
TAPE - TYPE III OR THERMOPLASTIC EXTRUSION	
8-INCH PAVEMENT STRIPE (WHITE) _____	230 L.F.
12-INCH PAVEMENT STRIPE (WHITE) _____	70 L.F.
PAVEMENT WORD _____	4 EA.

CONSTRUCTION SIGN SUMMARY			
SIGN NO.	MESSAGE	W/POSTS	W/O POST
CG20-2	END CONSTRUCTION	4	
CW20-d	ROAD CONSTRUCTION AHEAD	4	
TOTAL		8	0



TYPE II OBJECT MARKER AND REFLECTOR MARKER SUMMARY				
TYPE	QUANTITY			
	W/O POST		W/STEEL POST	
	YELLOW	WHITE	YELLOW	WHITE
RM-3	10		8	
RM-4			4	
OM-II	1		3	

TRAFFIC SIGN SUMMARY			
SIGN NO.	MESSAGE	QUANTITY	
		10 SQ. FT. OR LESS	
		W/POST	W/O POST
R1-1	STOP	2	
R7-107a		2	
R7-201a			6
R8-3a		6*	
W2-2		2	
W13-1(25)	25 M.P.H.		2
TOTAL		12	8

ROUTE MARKER SUMMARY			
SIGN ASSEMBLY	SIGN NO. AND MESSAGE	TYPE A ASSEMBLY	
		W/POST	W/O POST
SRM-1	M3-2		
	M1-6(83)	1	
TOTAL		1	0

* Supplementary Sign, , shall not be paid for separately but considered incidental to the various signing items.

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

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

MISCELLANEOUS SUMMARIES

KAMEHAMEHA HIGHWAY
Repair of Waimea & Paumalu Bridges
Fed. Aid Project No. STP-083-1(30)

Date: April, 1994

SHEET No. T3 OF 3 SHEETS