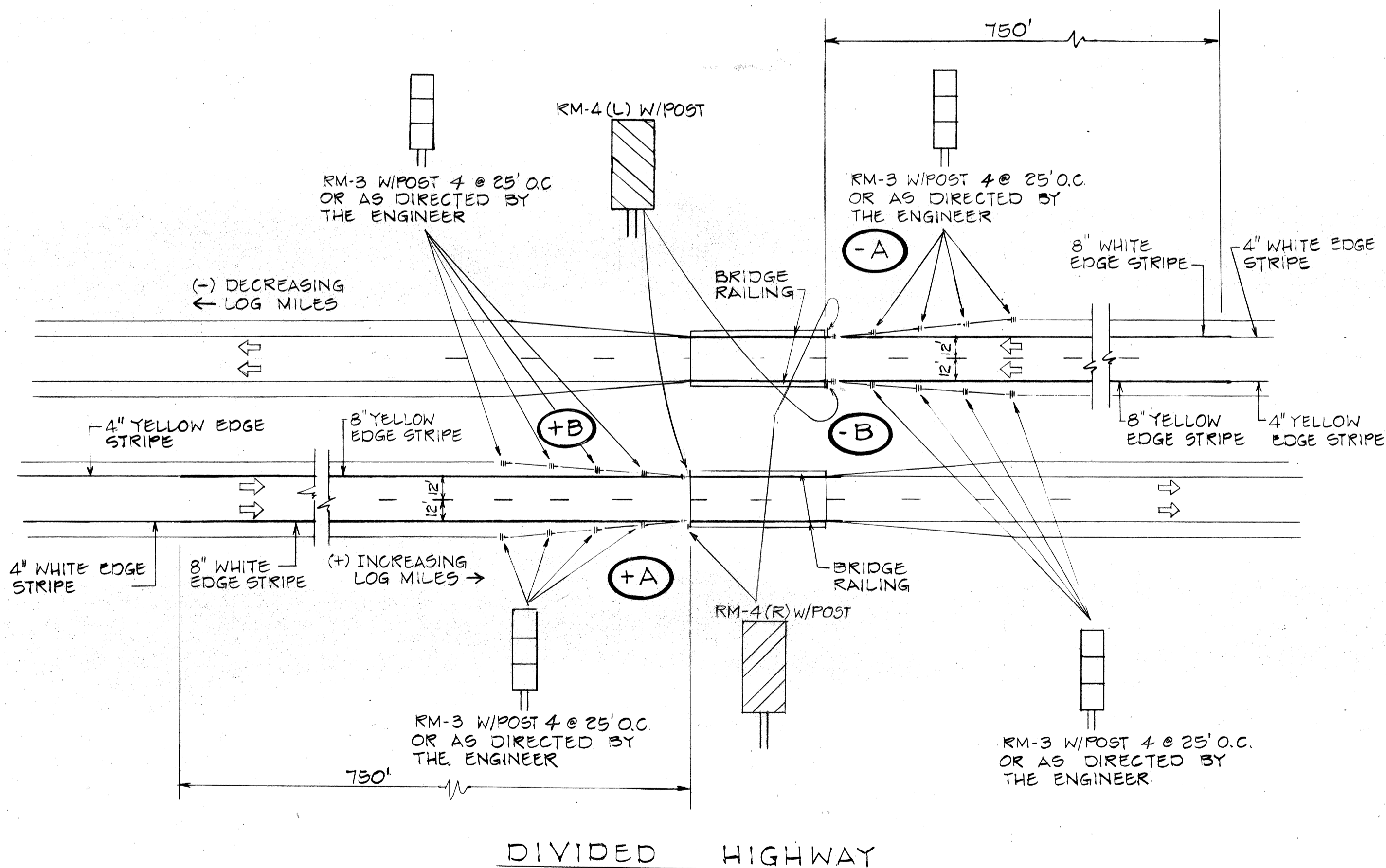


NOTE: (+) INCREASING LOG MILES  
 (-) DECREASING LOG MILES  
 A DENOTES TYPE OF TREATMENT



NOTE: (+) INCREASING LOG MILES  
 (-) DECREASING LOG MILES  
 A DENOTES TYPE OF TREATMENT

### TYPICAL BRIDGE APPROACH DELINEATION CRITERIA

Scale: 1" = 50'

### SUMMARY OF DELINEATION AND PAVEMENT MARKING AT VARIOUS BRIDGES

HIGHWAY & ROUTE NO.	NAME	LOG MILE	TYPE OF TREATMENT	RM-3 W/POST (EACH)	RM-4 (L) (EACH)	RM-4 (R) (EACH)	PAVEMENT STRIPING (LIN. FT.)
PALI HWY. FAP 01	PAUOA BR.	0.61	+A,+B,-A,-B	16	2	2	3100
	NUUANU BR.	1.12	"	"	"	"	"
	KAHANAIKI BR.	3.77	"	"	"	"	"
	MAUNAWILI BR.	2.12	"	"	"	"	"
	KAWAINUI BR.	10.60	"	"	"	"	"
LIKELIKE HWY. FAP 03	KALIHI STR. BR.	1.66	+A,-A	8	-	2	3100
KALANIANA'OLE HWY., FAP 72	NUI BRIDGE	14.18	+A,+C,-A,-C	12	2	2	3050
	KARSTEN THOT KAUKONAHUA BR.	0.67	+A,+C,-A,-C	12	2	2	3050
NIMITZ HWY. FAP 02	MOANALUA BR.	3.34	+A	4	-	1	775
	KALIHI BRIDGE	3.63	+A,-A	8	-	2	1550
	KAPALAMA BR.	4.80	"	8	-	2	3100
FARRINGTON HWY. FAP 03	KEANA'IO BR.	3.45	+A,+B,-A,-B	16	2	2	3100
	ULEHANA BR.	6.40	+A	4	-	1	775
	MAIPALAOA BR.	8.32	"	"	"	"	"
	MAILIILI BR.	9.70	+A,+C,-A,-C	12	2	2	3050
	KAUPUNI BR.	11.28	"	"	"	"	"
	MAKAHA BR. #2	12.53	"	"	"	"	"
	MAKAHA BR. #3	14.04	"	"	"	"	"
	MAKAHA BR. #3A	14.12	"	"	"	"	"
FARRINGTON HWY. FAS 030	MAKAHA BR. #3B	0.10	+A,+C,-A,-C	12	2	2	3050
	MAKAHA BR. #4	0.70	"	"	"	"	"
	MAKAHA BR. #5	0.88	"	"	"	"	"
	MAKAHA BR. #5A	1.38	"	"	"	"	"
	MAKUA 3 CELL BOX	2.42	"	"	"	"	"
	KAWAIHAPAI BR.	12.54	"	"	"	"	"
	POLIPOLI BR.	13.15	"	"	"	"	"
	KAPALAAU BR.	14.14	"	"	"	"	"
	MAKALEHA BR.	14.36	"	"	"	"	"
	KAUKONAHUA BR.	17.48	"	"	"	"	"
KALANIANA'OLE HWY. FAU 7400	WAWAMALU BR.	0.83	+A,+C,-A,-C	12	2	2	3050
FT. WEAVER RD. FAU 7600	KAWAIKIEA BR.	2.56	"	"	"	"	"
	IHIHILAUKEA BR.	2.74	"	"	"	"	"
	HONOULIULI BR.	5.81	+A,+C,-A,-C	12	2	2	3050
FARRINGTON HWY. FAU 0000	WAIKELE BR. #1	1.72	+A,+B,-A,-B	16	2	2	3100
	WAIKELE BR. #2	1.77	+A,+B	8	1	1	1550
	OAHU SUGAR RD. (UNDERPASS)	3.09	+A,-A	8	-	2	1550
HALAWA HTS. RD. FAU 7100	HALAWA (OVERPASS)	2.10	+A,+C,-A,-C	12	2	2	3050
PALI HWY. FAP 01	BRIDGES #1,2,3	5.33	+A,+B,-A,-B				3100
	BRIDGE #4A	6.13	"				"
	BRIDGE #4B	6.15	+A,+B				200
	BRIDGE #4	6.16	-A,-B				200
	BRIDGE #4C	6.19	+A,+B,-A,-B				400
	BRIDGE #5	6.21	-A,-B				200
	BRIDGE #5A	6.23	+A,+B				200
	BRIDGE #6	6.29	+A,+B,-A,-B				400
	BRIDGE #7A	6.31	+A,+B				200
	BRIDGE #7	6.32	-A,-B				200
BRIDGE #8A	6.38	+A,+B				1550	
BRIDGE #8	6.40	-A,-B				1550	
TOTAL				440	61	72	116,325

### GENERAL NOTES

- THE CONTRACTORS ATTENTION IS DIRECTED TO SUBSECTION 107.3 PUBLIC CONVENIENCE AND SAFETY AND SUBSECTION 107.14 BARRICADE AND WARNING SIGNS OF THE SPECIAL PROVISION.
- EXACT LOCATION OF DELINEATORS AND PAVEMENT STRIPINGS SHALL BE APPROVED BY THE ENGINEER.
- THE CONTRACTOR SHALL VERIFY THE LOCATIONS AND DIMENSIONS OF THE EXISTING EQUIPMENT AND FACILITIES.
- LAYOUT AND INSTALLATION OF PAVEMENT STRIPING SHALL BE DONE BY THE CONTRACTOR. THE CONTRACTOR SHALL CHECK THE LAYOUT WITH THE ENGINEER PRIOR TO PERFORMING WORK.
- RM-4'S SHALL BE BLACK AND YELLOW.
- MOUNTING HEIGHT FOR RM-4 SHALL BE 4 FEET, MEASURED FROM THE BOTTOM OF THE SIGN TO TOP OF PAVEMENT.
- A MAP REFERENCING STATE HIGHWAYS BY THE LOG MILE SYSTEM WILL BE AVAILABLE FOR INSPECTION AT THE STATE TRAFFIC ENGINEERING SECTION ROOM 203, 560 PUNCHBOWL ST., WEEKDAYS BETWEEN THE HOURS OF 8:00 A.M. TO 3:00 P.M.

STATE OF HAWAII  
 DEPARTMENT OF TRANSPORTATION  
 LAND TRANSPORTATION FACILITIES DIVISION

### TYPICAL DELINEATION AND PAVEMENT MARKINGS AT BRIDGES

Proj. No. HWY-0-02-81

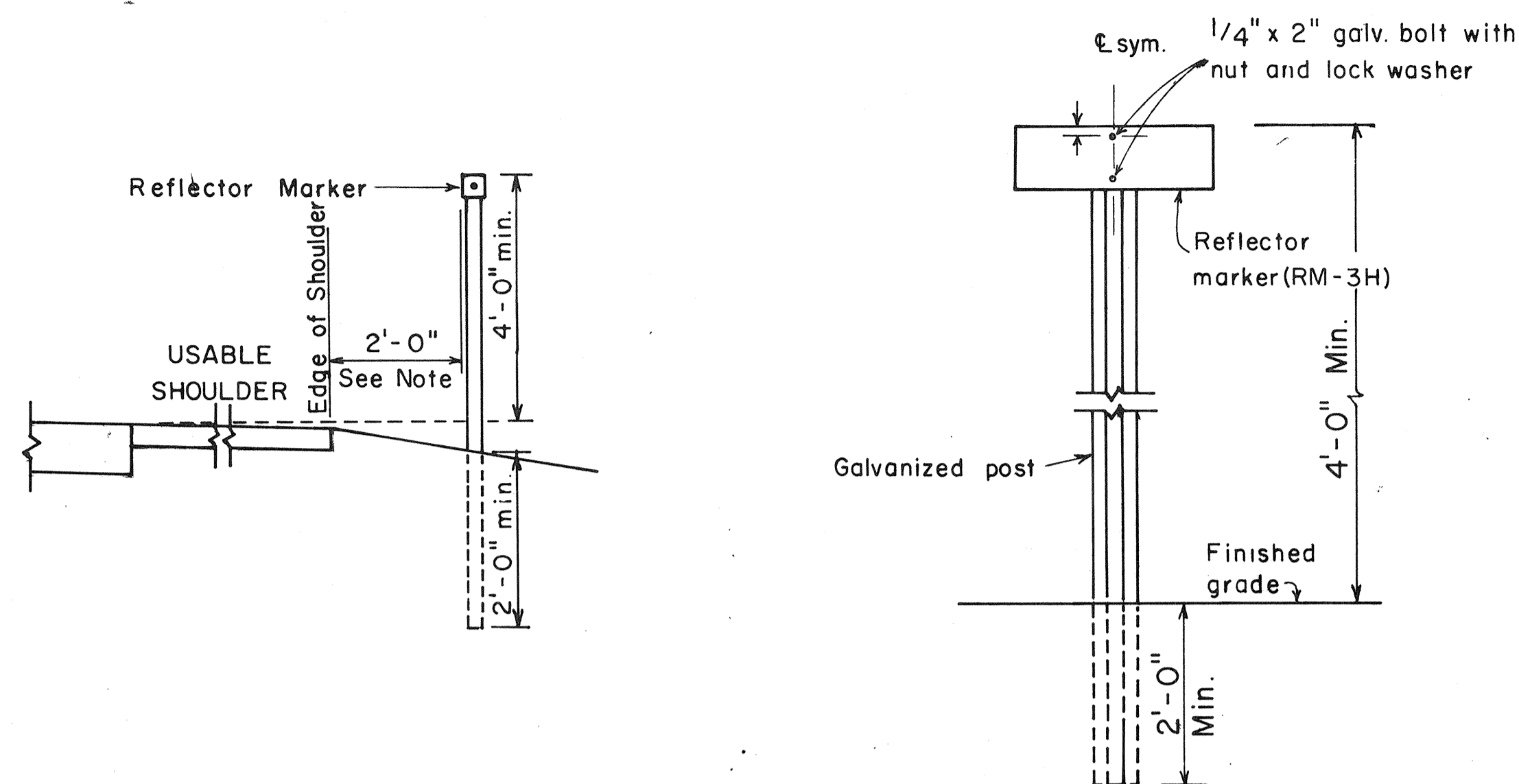
SCALE: Not to Scale DATE: Apr. 1981

SHEET NO. 1 OF 1 SHEETS

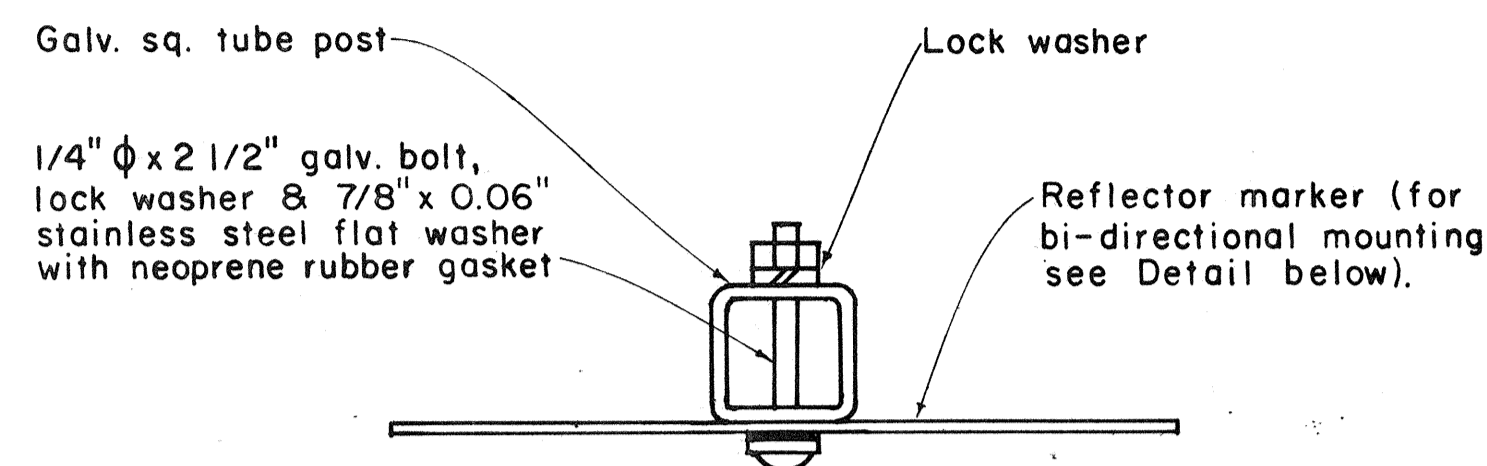
FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	HWY-0-02-81	1981	3	3

**GENERAL NOTES:**

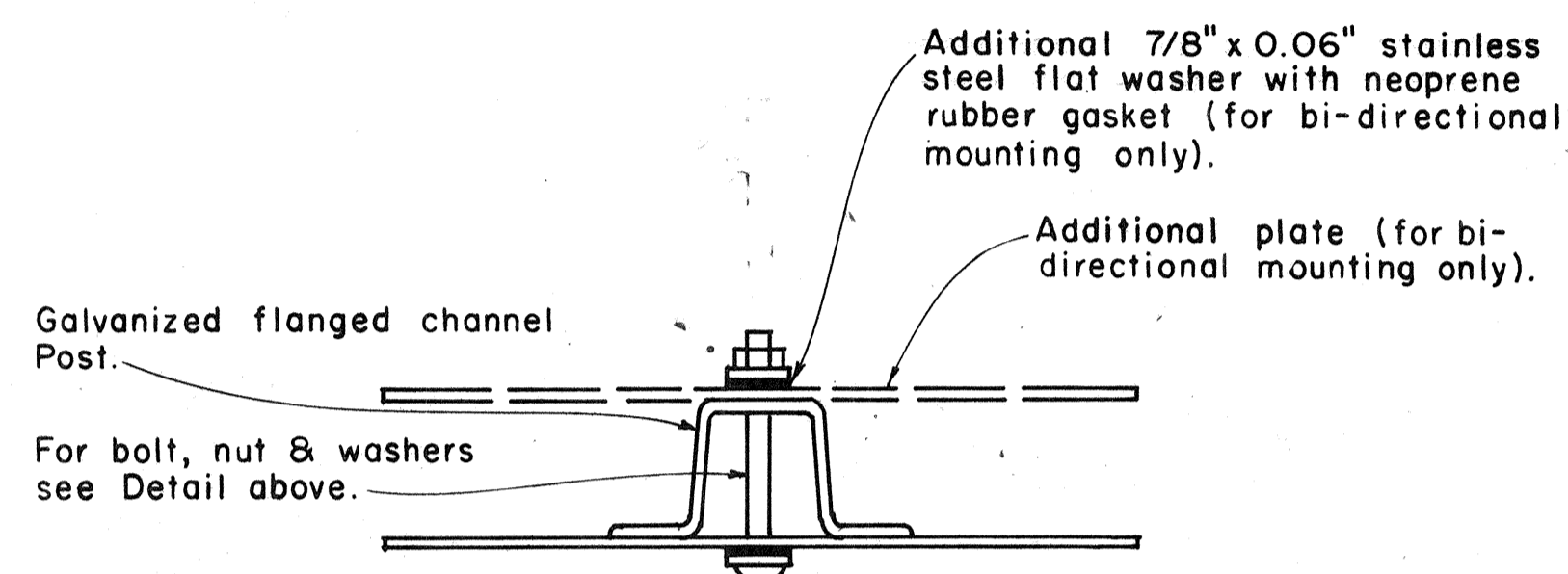
1. Clearance markers (RM-3, RM-4) shall be installed with the edge of the marker in line with the inner edge of the obstruction.
2. (R) or (L) indicates right or left and shall be as shown on the plans.
3. Reflector markers RM-1 and RM-2 shall be:
  - a) Yellow if placed along the left edge of divided roadways, one-way roadways, and ramps in the direction of travel.
  - b) White if placed along the right edge of divided roadways, one-way roadways, and ramps in the direction of travel.
4. For reflector marker RM-9, reflective sheeting material may be used as an alternate.
5. For RM-4, the stripes shall slope downward at an angle of 45° in the direction of traffic.



**REFLECTOR MARKER MOUNTING DETAIL**

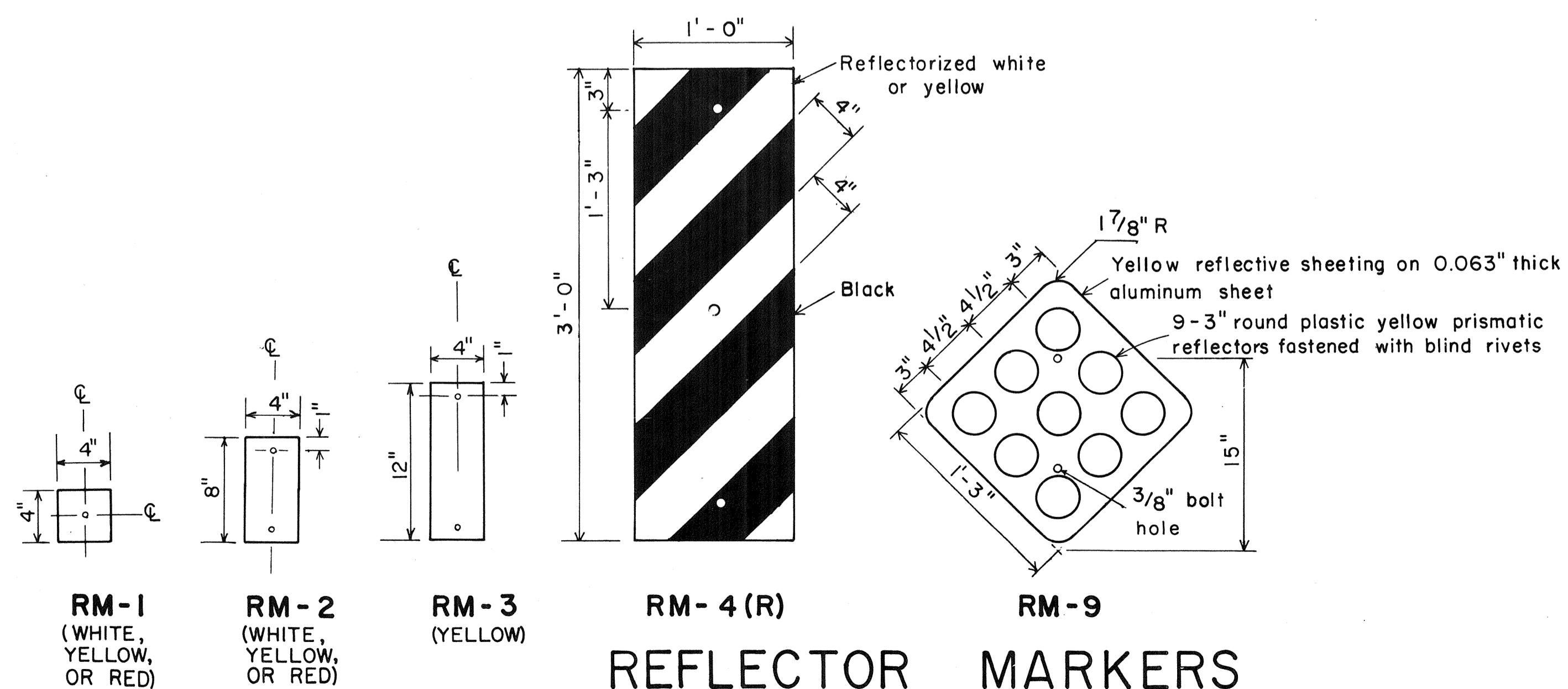


**GALVANIZED SQUARE TUBE POST**



**GALVANIZED FLANGED CHANNEL POST**

**TYPICAL MOUNTING DETAILS**



**REFLECTOR MARKERS**

APPROVAL RECOMMENDED:  
*Euski Tanaka* 11/7/77  
 TRAFFIC ENGINEER DATE

APPROVED:  
*Herbert B. Sakai* 11/15/77  
 ASSISTANT CHIEF, ENGINEERING DATE

NO.	REVISION	APPROVED BY	DATE
1	Revised Mounting Details	H-1	4/23/80

STATE OF HAWAII  
 DEPARTMENT OF TRANSPORTATION  
 HIGHWAYS DIVISION

**STANDARD DETAILS**  
 MISCELLANEOUS REFLECTOR MARKERS

Not to scale June, 1977

SHEET NO. / OF / SHEETS DT 110

SURVEY PLOTTED BY	DATE
DRAWN BY	
DESIGNED BY	
QUANTITIES BY	
CHECKED BY	
ORIGINAL PLAN No.	