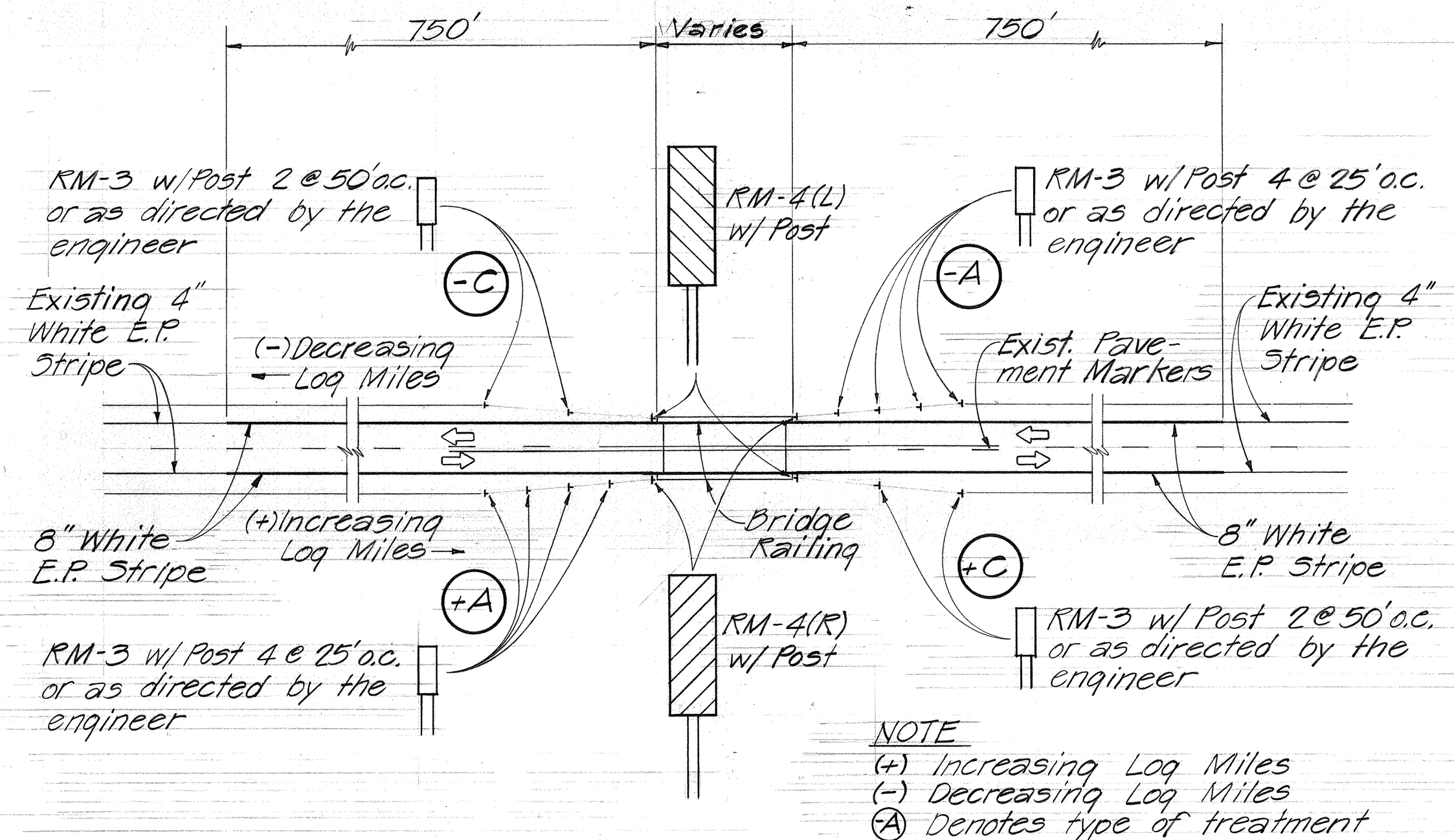


SUMMARY OF DELINEATION & PAVEMENT MARKING AT VARIOUS BRIDGES

ROUTE/ BRIDGE NAME	MILE POST	LOG MILE	TREATMENT TYPE	RM-3 W/POST	RM-4(R) W/POST	RM-4(L) W/POST	PAV'T STRIPING
ROUTE 11							
Honuapo	60.60	61.85	+A+C-A-C	12	2	2	3,088*
Hilea	57.70	64.76					3,082*
Ninole	56.50	65.87					2,179*
Punaluu	54.55	67.23					3,062*
Kananelu	53.47	69.00					3,086*
Moalua	52.75	69.73					3,049*
Hionomoa	52.20	69.83		12			2,114*
Paaui	51.32	71.13		10			2,036*
Keaiwa	50.34	72.10		12			3,162*
Kaalaala	49.83	72.64		12			3,086*
Piikaa	49.53	72.95	+A+C-A-C	12			3,042*
Keaau Underpass (Hono Side)			-	-	2	2	-
Keaau Underpass (Hilo Side)			-	-	2	2	-
Sub-Total				130	24	24	31,818
ROUTE 19							
Waiaka	59.08	40.76	+A+C-A-C	12	2	2	4,576
Nienie	43.95	55.90					3,338
Kahawaihiti	42.27	58.69					3,434
Kalopa	39.60	60.26					3,498
Kaunaloa	38.13	61.71					3,170
Waipunahina	36.98	62.86	+A+C-A-C	12	2	2	3,080
Aamannu	35.50	64.35		*	*	*	3,308*
Kawaii	35.22	64.64	+A+C-A-C	12	2	2	3,088
Kaholalele	34.82	65.02		12			3,062
Kainehe	34.65	65.20		10			3,426
Kukiaia	33.90	65.96		12			3,222
Mohuna	33.67	66.18					3,258
Kekuaalele	33.23	66.62					3,154
Kaala	32.85	67.01					3,430
Kealakaha	32.25	67.62					3,074
Kaholo	31.17	68.72					3,308
Kupapaulua	31.05	68.83					3,556
Kaula	30.33	69.51	+A+C-A-C	12			3,712
Ookala Pt. Opass		69.88	-	-			-
Kilauea	25.90	73.91	+A+C-A-C	12			3,450*
Manowaiopae	25.20	74.66					3,338*
Kuwaikahi	25.03	74.83					3,558*
Kihalani	24.58	75.28					3,512*
Kaiwilahilahi	24.22	75.64					3,438*
Moanalulu	23.97	75.94					3,442*
Kaalau	23.33	76.53					1,500*
Kapehu	23.03	76.84					3,266
Maulua	21.78	78.09					3,560
Ahole	20.60	79.26					3,274
Manoloa	19.95	79.91					3,155
Ninole	19.65	80.22					3,061
Waikolu	19.40	80.48					3,250
Waikaumalo	18.87	81.02					3,594
Nanue	18.31	81.56					3,062
Opea	17.90	81.99	+A+C-A-C	12	2	2	3,450

ROUTE/ BRIDGE NAME	MILE POST	LOG MILE	TREATMENT TYPE	RM-3 W/POST	RM-4(R) W/POST	RM-4(L) W/POST	PAV'T STRIPING
Umauma	16.32	84.20	+A+C-A-C	12	2	2	3,562
Hakalau	15.67	84.80	+A+C-A-C	12			4,550
Pt. Rd. Overpass	15.38	84.99	-	-			-
Kolekole	14.28	85.59	+A+C-A-C	12			3,014
Paheehoe	13.57	86.29	+A+C-A-C	12			3,268
Pepeekeo Pt. Opass		88.44	-	-			-
Waiaama	9.05	89.93	+A+C-A-C	12			3,396
Kawainui	9.67	90.55					3,042
Hanawi	8.52	91.36					3,048
Kalaoa	8.05	91.84					3,290
Kaieie	7.58	92.32					3,420
Kapue	6.60	93.29					3,838
Paheehoe	6.09	93.80					3,098
Honolulu	4.84	95.05					3,083
Pukihae	3.12	96.78	+A+C-A-C	12			3,232
Halaaulani Opass		96.95	-	-			-
Wailuku	2.81	97.08	+A+C-A-C	12			3,136
Sub-Total				574	104	104	157,949
ROUTE 27							
Makeahua	2.77	2.75	+A+C-A-C	12	2	2	3,118
ROUTE 130							
Plant. Underpass		24.41	-	-	2	2	-
ROUTE 190							
Popoo	11.74	26.96	+A+C-A-C	12	2	2	3,196
Auwaiakeakua	11.10	27.64	+A+C-A-C	12	2	2	3,198
Kamakoa #1	4.63	34.08	+A+C-A-C	12	2	2	3,042
Sub-Total				36	6	6	9,436
ROUTE 220							
Paheehoe Mauka	3.34	0.40	+A+C-A-C	12	2	2	3,054
ROUTE 240							
Nienie	1.95	7.71	+A+C-A-C	12	2	2	3,160
ROUTE 250							
Kawaihae Uka	9.42	9.38	+A+C-A-C	12	2	2	3,062
ROUTE 270							
Honokoa	4.56	1.14	+A+C-A-C	12	2	2	3,326
Waiahoia	26.08	22.66					3,320
Aamakao	26.60	23.19					3,160
Waikani	27.23	23.86					1,744
Niulii	27.33	23.90	+A+C-A-C	12	2	2	1,646
Sub-Total				60	10	10	13,196
PROJECT TOTALS				848	156	156	224,106
				836	152	152	164,899



TYPICAL BRIDGE APPROACH DELINEATION CRITERIA
Not to Scale

GENERAL NOTES

- The contractor's attention is directed to the special provisions, specifically, sub-section 107.3-"Public Convenience and Safety" and sub-section 107.14-"Barricade and Warning Signs."
- Exact location of delineators and pavement markings 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 the near edge of the pavement.
- Pavement Markings shall conform to the "Manual on Uniform Traffic Control Device for Streets and Highways," 1971, and as shown on the plans.

* Work Deleted By C.C.O. No. 1

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
LAND TRANSPORTATION FACILITIES DIVISION

TYPICAL DELINEATION AND
PAVEMENT MARKING LAYOUT
AND SUMMARY

Fed. Aid Proj. No. HES-PM5-0100(21)

Date: Feb. 1981

SHEET NO. 1 OF 1 SHEETS