

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	RS-0450(1)	1979	2	26

GENERAL NOTES

- All work shall conform to the Standard Specifications for Road and Bridge Construction, dated 1976.
- Prior to filling on resurfacing, the existing surface shall be cleaned as described in Section 310 of the Standard Specifications. Payment shall be considered incidental to A.C. Pavement Mix V, item 401.0500.
- Ruts and depressions on the existing roadway pavement shall be filled with a thin layer of leveling course Mix No. I prior to resurfacing. This leveling course will be considered as Asphalt Concrete, Mix No. I, and shall be paid for under item No. 401.0500.
- Smooth riding connection shall be constructed at the beginning and at the end of the project and all connecting approaches and at extra widenings, as required by the Engineer.
- Bridges shall not be paved.
- Locations of regulatory and warning signs, milepost markers, reflector markers and route marker assemblies shall be staked out by the Engineer.
- Existing substandard regulatory and warning signs and markers with posts shall be removed and stockpiled at a site within the project limits determined by the Engineer. The cost shall be incidental to pay item 621.5100.
- Layout of pavement striping and crosswalks shall be done by the Contractor. Contractor shall check layout of striping and crosswalks with the Engineer prior to performing work.
- The Contractor's attention is directed to Sub-section 104.04 of the Special Provisions concerning maintenance of traffic flow.
- Boulders to be removed to finish grade at approximate Sta. 110+00± left and Sta. 112+50± left shall be considered incidental to item 401.0500. Any depressions created by this work shall be filled with suitable material, graded, and compacted to finish shoulder grade and/or as directed by the Engineer.
- All centerline monuments to be adjusted as shown on plans shall be considered incidental to item 401.0500.
- Replacement of signs shall include removal of existing sign with posts, stockpiling, and install new sign with posts unless otherwise specified.
- Installation of signs includes installation of new sign with posts unless otherwise specified.
- Due to flood prone areas item 629.2080, type J pavement markers shall be installed first in place, then 4" yellow dash stripes shall be painted over the type J pavement markers, 10 feet in length. All striping and installation of pavement markers shall be done in accordance with Section 629 of The Standard Specifications.
- Replacement of Mile Post Marker Assembly with Post shall consist of a new Post with 2 Mile Post Marker Plates and 2 Highway Route Number Plates installed back-to-back at the locations designated on the plans.

ESTIMATED QUANTITIES-GUARD RAIL

LOCATION	ITEM 606.3110 GUARD RAIL, TYPE 3 SINGLE W/STEEL POST (L.F.)	ITEM 606.9000 TERMINAL SECTION TYPE BCT (EA.)
KAMILOLOA BRIDGE Lt. Approach & Lt. Trailing End	152.1 150	2
KAMILOLOA BRIDGE Rt. Approach	26.3 25	1
KAMILOLOA BRIDGE Rt. Trailing End	1.3 1	1
MAKAKUPAIA BRIDGE Lt. & Rt. Approaches & Rt. Trailing End	228.6 225	3
MAKAKUPAIA BRIDGE Lt. Trailing End	13.8 12	1
KAWELA BRIDGE Lt. & Rt. Approaches & Lt. & Rt. Trailing Ends	279.9 300	4
5'x3' BOX CULVERT STA. 285+22 Lt. Approach	76.2 75	1
5'x3' BOX CULVERT STA. 285+22 Lt. Trailing End	13.8 12	1
8'x2' BOX CULVERT STA. 326+75 Lt. & Rt. Approaches & Lt. & Rt. Trailing Ends	304.7 300	4
5'x3' BOX CULVERT STA. 340+57.50 Lt. Approach & Lt. & Rt. Trailing Ends	228.4 225	3
5'x3' BOX CULVERT STA. 340+57.50 Rt. Approach	1.4 1	1
8'x5' BOX CULVERT STA. 377+00 Lt. & Rt. Approaches & Lt. & Rt. Trailing Ends	304.9 300	4
TOTAL	1231.4 1173	26

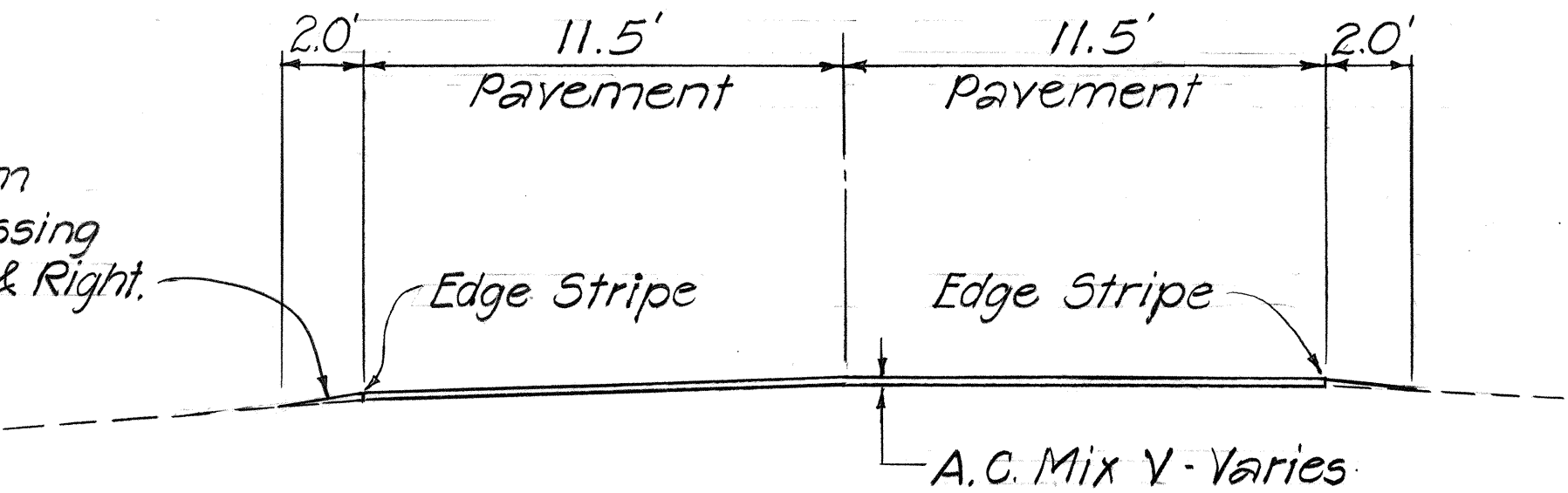
NOTE: The exact lengths and exact placements of Guard Rails shall be determined in the field by the Engineer.

SUMMARY - STRIPING AND RAISED PAVEMENT MARKERS

STATION TO STATION	£ STRIPING	DISTANCE (LIN. FT.)	ITEM 629.2040 TYPE D - (EA.)	ITEM 629.2070 TYPE H - (EA.)	ITEM 629.2080 TYPE J - (EA.)
105+25 to 120+40	PASSING	1515	39 ³⁰ 39	-	152 ¹⁴⁸ 152
120+40 to 125+50	ONE-WAY PASS	510	13 ¹² 13	13 ¹² 13	52 ⁴⁸ 52
GAP - PANO PL.					
126+50 to 132+25	ONE-WAY PASS	575	16 ¹⁴ 16	15 ¹⁴ 15	60 ⁵⁶ 60
132+25 to 377+00	PASSING	24475	612 ⁵⁹¹ 612	-	2448 ²³⁶⁰ 2448
TOTAL		27015	680 ⁶⁵⁵ 680	28 ²⁶ 28	2712 ²⁶¹² 2712

STATE OF HAWAII DEPARTMENT OF TRANSPORTATION HIGHWAYS DIVISION TYPICAL & GENERAL NOTES KAMEHAMEHA V HIGHWAY RESURFACING (KAMILOLOA TOWARDS KAMALO) F.A. PROJ. NO. RS-0450(1) SCALE: AS NOTED JULY 1978 SHEET No. 1 OF 1 SHEETS

Pay Limits for Item No. 665.0100, Dressing of Shoulders, Left & Right.



TYPICAL SECTION

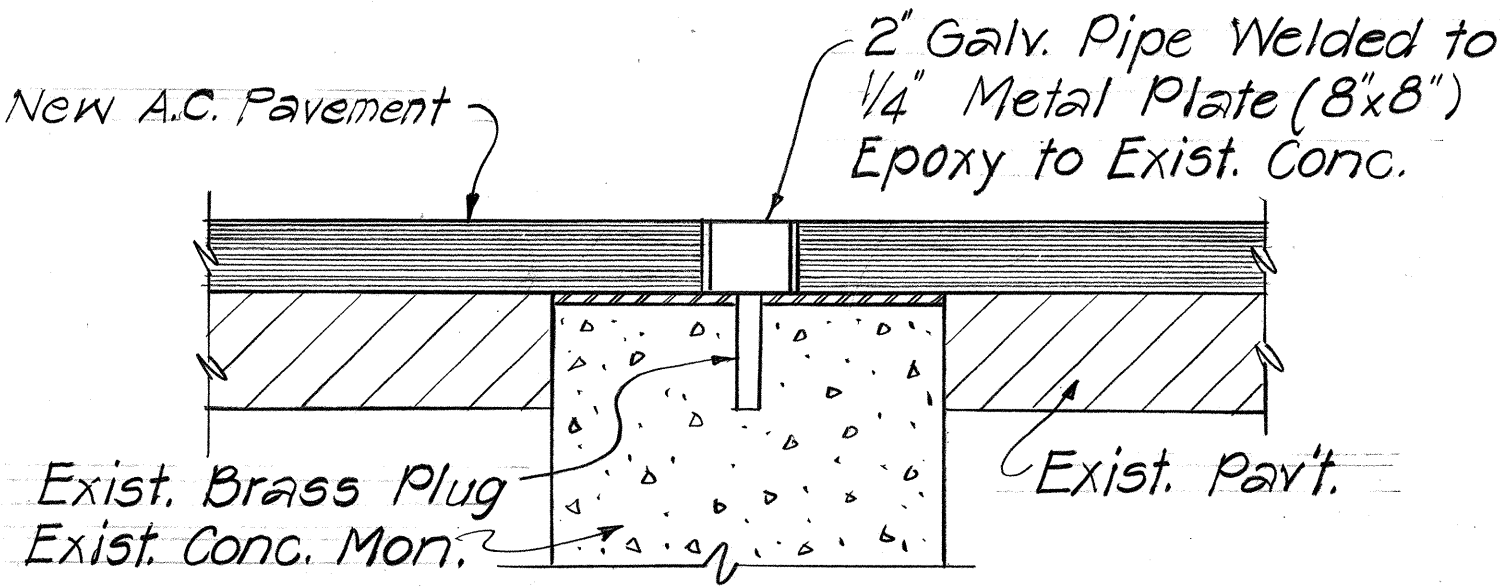
Scale: 1/4" = 1'-0"

STA. 105+25 to 321+00 = 2" A.C.

STA. 321+00 to 377+00 = 1 1/2" A.C.

NOTES - PAVEMENT MARKINGS

- Pavement Markings shall conform to the "Manual on Uniform Traffic Control Devices for Streets and Highways", 1971, and as shown on the plans.
- For additional Pavement Marking Details see plan Sht. No. 15.



ADJUSTED MONUMENT

Scale: 3" = 1'-0"

DATE	
SURVEYED BY	
DRAWN BY	
DESIGNED BY	
QUANTITIES BY	
CHECKED BY	
ORIGINAL PLAN	
NOTE BOOK	
No.	