

General Notes:

1. Scope of Work: The work shall consist of resurfacing existing pavement, installing pavement markings, and replacing, relocating, and/or installing signs, installing reinforcing fabric, and trimming/dressing of shoulders.
2. All potholes, depressions, cracks and wheel ruts, shall be cleaned, treated with SS-1 Emulsified Asphalt, then filled and compacted with Marshall Mix A.C. A leveling course (3/4" ± thick) of A.C. (Marshall Mix) shall then be placed and compacted over the areas to be resurfaced. The thickness of the leveling course may be variable at the Engineer's discretion. Pavement reinforcing fabric shall then be installed as specified or as shown on the plans. A 1 1/2" thick A.C. wearing surface (Marshall Mix) shall then be placed and compacted in accordance with the plans & specifications. The leveling course and wearing surface shall be measured and paid for as provided under Item No. 401.0600 (Asphalt Concrete Pavement, Marshall Mix No. 1). Reinforcing fabric shall be measured and paid for as provided under Item No. 620.0100 (Pavement Reinforcing Fabric).
3. Existing raised pavement markers shall be removed by such means that will cause the least amount of damage to the pavement. This work shall not be measured or paid for separately, but shall be considered incidental to other items of work noted in the proposal.
4. Contractor shall provide smooth riding connections between new overlay and existing pavement.
5. "Brooming-Off" and grading the edges of existing surfaces, prior to resurfacing, shall not be measured or paid for separately, but shall be considered incidental to Item No. 401.0600 (Asphalt Concrete Pavement, Marshall Mix No. 1).
6. The Contractor shall be held liable for any damages incurred to existing facilities as a result of his operations. All damages to existing facilities shall be repaired and/or replaced immediately in accordance with the Standards & Specifications of the State and/or affected utility company or governmental agency. On any unreasonable delay by the Contractor, the State shall repair said damages and bill the Contractor.
7. All lanes shall be open to traffic during non-working & during peak hours. Only one lane of roadway shall be closed at any other time. Failure of the Contractor to open all lanes to traffic during non-working and peak hours, shall result in assessment of liquidated damages as specified in Section 108.08 of the Special Provisions.
8. The Contractor shall be responsible for directing traffic through the work area. The Contractor's traffic control methods, including signs, barricades & flagmen, etc, shall be in strict accordance with the plans, Standard Specifications and Special Provisions.

9. Surfaces shown in the Typical Section are for representational purposes only and are not intended to depict surfaces at any specific location.
10. If it is necessary to run public traffic over roadways soon after the paving operations, the Contractor shall install temporary pavement marking tapes and raised pavement markers, as directed by the Engineer. For additional requirements, refer to Section 629 of the Standard Specifications and Special Provisions. This work shall be considered incidental to the various pay items.
11. Trimming and dressing of shoulders shall not be paid for separately, but shall be considered incidental to other items of work noted in the proposal.
12. Unless otherwise noted, all existing turnout areas shall be resurfaced.
13. Existing facilities shown on the plans were obtained from the best available source, however, field conditions may vary and accuracy cannot be guaranteed.
14. Reinforcing fabric will not be required on transitions at beginning and end of project.
15. Where indicated on the plans, traffic signs or sign and posts shall be replaced. (Post replacements shall include new anchor bases.)

Pavement Marking Notes:

1. Stakeout/Layout for pavement stripings, markings and markers shall be done by the Contractor at his own expense. Layout of stripings, markings and markers shall be approved by the Engineer prior to final installations.
2. Unless otherwise noted, all stripings, markings, and raised pavement markers shall be installed in accordance with the Standard Plans.
3. Centerline pavement striping shall be Thermoplastic Extrusion or Tape, Type I.
4. Edge of pavement striping shall be Thermoplastic Extrusion, or Tape, Type II. Edge pavement marking shall include Type CL Raised Pavement Markers @ 40' o.c.
5. Stop bar pavement striping shall be Thermoplastic Extrusion.

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	50B-01-92M 550B-01-92M	1992	3	7

Summary of Centerline Striping and Raised Pavement Markers

Station Limits	Pavement Striping (Lin. Ft.)		Pavement Markers (Each)				± Zone Req'mts
	C.L.	E.P.	TYPE CL	TYPE BL	TYPE HL	TYPE J	
A. Kaumualii Hwy.							
14+93± to 19+20	427	**854	21	21	-	-	(dbl yellow) No Pass
19+20 to 19+60	40	**80	2	2	-	-	No Pass 40 Gap
19+60 to 20+00	40	**80	4	3	-	-	(dbl yellow) No Pass
20+00 to 21+55	155	**310	8	4	4	16	(dbl yellow) No Pass/Pass
21+55 to 58+51	-	**176 *1212	185	92	-	364	Pass
58+51 to 66+80	829	**124 *1534	42	21	21	84	sgl yellow Pass/No Pass
66+80 to 73+68±	688	**1376	34	34	-	-	(dbl yellow) No Pass
Total (A)	2179	11,750	296	177	25	464	
2690' *3750' = 4" White Edge Line 2148' **3000' = 8" White Edge Line							
B. Kokee Road.							
351+00 to 445+10	9410	18,820	472	472	-	-	No Pass
Total (B)	9410	18,820	472	472			

Summary for adjustment of ± Survey Mon.
1. Kaumualii Hwy 2-Each
2. Kokee Rd None

STATE OF HAWAII DEPARTMENT OF TRANSPORTATION HIGHWAYS DIVISION
GENERAL NOTES & SUMMARY OF PAVEMENT STRIPING AND MARKERS
KAUMUALII HIGHWAY RESURFACING PROJ. NO. 50B-01-92M
KOKEE ROAD RESURFACING PROJ. NO. 550B-01-92M
SCALE: NONE DATE: JULY, 1991
SHEET No. 3 OF 7 SHEETS