

GENERAL NOTES

1. Scope of Work: Resurfacing, cold planing existing pavement at beginning and at end of project, installing raised pavement markers, pavement striping and adjusting centerline monuments.

2. All potholes, depressions, cracks and wheel ruts shall be cleaned, filled, levelled and compacted with 3/4"± levelling course of asphalt concrete Marshall Mix prior to resurfacing. This work will be measured and paid for as provided for under Item No. 401.0600 - Asphalt Concrete Pavement Marshall Mix.

3. Existing raised pavement markers shall be removed from the entire area to be resurfaced by such method that will cause the least possible damage to the pavement. This work will not be measured for payment but shall be considered incidental to various contract items.

4. Provide smooth riding connections from the new pavement overlay to the existing pavement at the beginning and at the end of the project and to the bridge structure according to the Typical Sections.
for all government approaches, resurfacing shall extend to the Highway R/W line.
for all paved private approaches, resurfacing shall be 4' long, measured from the edge of pavement of the highway.
for all paved approaches, resurfacing shall be tapered to meet the existing pavements.

5. "Brooming Off" and grading of the shoulders prior to resurfacing will not be measured or paid for separately, but shall be considered incidental to Item No. 401.0600 - Asphalt Concrete Pavement, Marshall Mix.

6. The Contractor shall be held liable for all damages incurred to existing utility facilities as a result of his operations. All damages shall be repaired and/or replaced immediately in accordance to the Standards & Specifications of the State and/or the affected Utility Company. On any unreasonable delay by the Contractor, the State shall repair said damages and bill the Contractor for the costs incurred.

7. All lanes shall be open to traffic during the morning peak hours from 6:30 A.M. to 8:30 A.M., during the afternoon peak hours from 3:30 P.M. to 5:30 P.M., and during holidays and non-working hours. Only one lane of traffic shall be closed at any other time.

8. Existing wearing surfaces indicated in the Typical Sections varies. Surfaces indicated are typical and are not intended to represent any specific location.

9. If it is necessary to run public traffic over roadways soon after the paving operations, the Contractor shall install temporary pavement marking tape 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 contract items, and no separate payments will be made therefore.

10. The Contractor shall pave over the existing underdrain cleanouts (U.C.O.) shown on the plans.

11. All existing facilities shown on the plans are taken from the latest available data, however the accuracy is not guaranteed.

12. The Contractor shall adjust all centerline monuments located within the project limits. Adjustment of monuments shall be in accordance with the State Standard Plan D-06.

13. The Contractor shall be responsible for the temporary removal and re-installation of signs, posts, mile markers, etc., that are located within the resurfacing areas. This work shall not be paid for separately, but shall be considered incidental to other items of work.

Station	Striping L.F.		Pavement Markers			Zone
	£	E.P.	Type DL	Type HL	Type J	
19+30 to 19+80		50	3-2			50' Gap Kahili Makai St.
19+80 to 20+30	55	110	3			No Pass
20+30 to 25+00	470	940	12	11+2	48	No Pass/Pass
25+00 to 31+80		1360	20		76	Pass
31+80 to 33+00	130	260	7			No Pass
33+00 to 33+50		50	3-2			50' Gap Waialea Rd.

14. Trimming & dressing of the unpaved shoulder areas will be done by others.

15. No material or equipment shall be stockpiled or parked within the Highway Right-of-Way except at locations designated, in writing, by the Engineer.

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	56C-01-90M	1990	3	6

SUMMARY OF PAVEMENT STRIPING & RAISED PAVEMENT MARKERS - PROJ. No.

Station	Striping L.F.		Pavement Markers			Zone
	£	E.P.	Type DL	Type HL	Type J	
1+50 to 3+70	230	460	12			No Pass
3+70 to 8+00	430	860	11	11	44	No Pass/Pass
8+00 to 11+80		760	10		36	Pass
11+80 to 18+00	620	1240	16	15+6	64	Pass/No Pass
18+00 to 19+30	140	280	8			No Pass
19+30 to 33+50	SEE TABLE @ LEFT HEREON					
33+50 to 34+60	115	230	6			No Pass
34+60 to 39+40	480	960	12	12	48	Pass/No Pass
39+40 to 41+50		420	5		16	Pass
41+50 to 45+80	430	860	11	12	48	No Pass/Pass
45+80 to 63+40		3520	44		172	Pass
63+40 to 65+00	160	320	4	4	16	Pass/No Pass
65+00 to 65+50	60	120	3			No Pass
65+50 to 66+00		50	4-2			50' Gap S. Waialea Rd.
66+00 to 66+50	50	100	5			No Pass
66+50 to 67+60	110	220	3	2	8	No Pass/Pass
67+60 to 71+00		680	9		32	Pass
71+00 to 73+90	290	580	8	8	32	Pass/No Pass
73+90 to 74+40	60	120	3			No Pass
74+40 to 74+90		50	3-2			50' Gap N. Waialea Rd.
74+90 to 75+40	60	120	3			No Pass
75+40 to 77+00	160	320	4	4	16	No Pass/Pass
77+00 to 80+00		600	8			Pass
80+00 to 83+30	330	660	8	9	36	Pass/No Pass
83+30 to 88+30		1000	13		48	Pass
88+30 to 90+50	220	440	6	7	28	No Pass/Pass
90+50 to 96+50		1200	15		56	Pass
96+50 to 98+30	180	360	5	5	20	Pass/No Pass
98+30 to 100+20	200	400	10			No Pass
100+20 to 102+90	270	540	7	7	28	No Pass/Pass
102+90 to 108+02		1024	13		48	Pass
Totals	5250	21,264	308	##	956	

315 107 920

Pavement Marking Notes.

- Location of new pavement markings, including pavement arrows and stop bars, shall be stated out in the field by the Contractor for approval by the Engineer prior to installation.
- All striping, marking and raised pavement markers shall be installed in accordance to the Standard Plans of the Dept.
- All pavement striping, except stop bars, shall be painted.
- Pavement arrows and stop bars shall be taped. Stop bar (12" solid white) w/ 50' long, double 4" yellow & striping required at: Kahili Makai St.; Waialea Rd.; S. Waialea Rd. & N. Waialea Rd.

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

GENERAL NOTES
& PAVEMENT MARKING SUMMARY

KUHIO HIGHWAY RESURFACING
PILAA TO KAHILI
PROJECT NO. 56C-01-90M

Scale: None Dec. 1989
SHEET No. 3 OF 6 SHEETS

DATE	_____
SURVEY PLOTTED BY	_____
DRAWN BY	_____
DESIGNED BY	_____
CHECKED BY	_____
ORIGINAL PLAN	_____
NOTE BOOK	_____
NO.	_____