



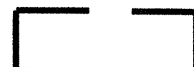
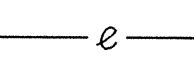
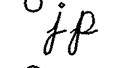
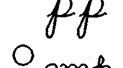
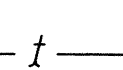
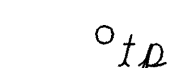
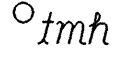
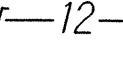
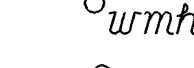
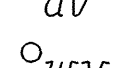

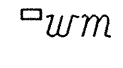
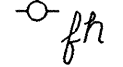
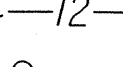
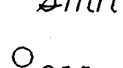
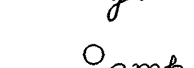


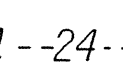

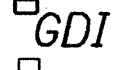

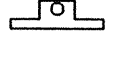
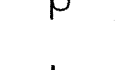
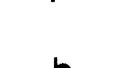




GENERAL NOTES

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	378A-01-04M	2004	3	88

1. The scope of work for this project consists of reconstructing weakened pavement areas, cold planing roadway surfaces, resurfacing, installing new guardrail and terminals, installing new grated drop inlets, reconstructing existing cattle guards, cleaning culverts installing signs, pavement marking and striping and all incidentals necessary to complete this resurfacing work.
2. The Contractor's attention is directed to the following Sections of the Special Provisions : Subsection 107.13 - Public Convenience and Safety; Subsection 107.21 - Contractor's Responsibility For Utility Property And Services; and Section 645 -Traffic Control.
3. At the end of each day's work, the Contractor shall remove all equipment and other obstructions to permit free and safe passage of public traffic.
4. The existence and location of underground utilities, manholes, monuments and structures as shown on the plans are from the latest available data but the accuracy is not guaranteed. The encountering of other obstacles during the course of work is possible. The Contractor shall be held liable for any damages incurred to the existing facilities and/or improvements as a result of his operations.
5. The exact locations and limits or areas to be reconstructed and cold planed shall be determined in the field by the Engineer. Coldplaning to be done at side roads, begin and end project shall not be paid for separately but shall be considered incidental to Asphalt Concrete Pavement Mix IV.
6. The Contractor shall notify the Engineer in writing, two (2) weeks prior to starting paving operations.
7. The Contractor shall remove and dispose of all existing raised pavement markers and traffic tapes prior to the overlaying of Asphalt Concrete. This work shall be considered incidental to Asphalt Concrete Pavement, Mix No. IV and will not be paid for separately.
8. Smooth riding connections shall be constructed at all limits of resurfacing, including the beginning and end of project, connecting approaches, side streets, cattleguards and driveways as shown on the plans and/or as directed by the Engineer.
9. Dressing of shoulder, sidewalk and bus turnout shall consist of clearing, grubbing, grading, reshaping and compacting the unpaved shoulders with suitable material as shown on the plans and/or as directed by the Engineer. This work shall be considered incidental to the various contract items.
10. Existing drainage system will be functional at all times during construction. The Contractor is to furnish materials, equipment, labor, tools and incidentals necessary to maintain flow. This work shall be considered incidental to various contract items.
11. Earth swale shall be graded to drain. This work shall be considered incidental to the various contract items.
12. The contractor shall provide for access to and from all existing side streets at all times.
13. All saw cutting work shall not be paid for separately but shall be considered incidental to various contract items.

14. The Contractor shall install RM-5's on all existing guardrails spaced at every 25 feet. Spacing of RM-5's on horizontal curves shall comply with Table III-1 of the MUTCD. RM-5's shall not be installed on terminal sections.
15. The Contractor shall remove all existing reflector markers (RM-3) with steel post and replace it with reflector markers (RM-3) with flexible post.
16. The lateral limit of resurfacing at guardrail locations shall be at least to the face of the rail element.
17. New A.C. pavement at guardrails shall extend 6 feet longitudinally beyond the terminal ends.

LEGEND

-  Reconstruction Areas
-  Cold Planing Areas
-  Resurfacing Limits
-  Existing Electrical Line
-  Existing Joint Pole
-  Existing Power Pole
-  Existing Electric Manhole
-  Existing Telephone Line
-  Existing Telephone Pole
-  Existing Telephone Manhole
-  Existing 12" Water Line
-  Existing Water Manhole
-  Existing Water Air Valve
-  Existing Water Valve Box
-  Adjusted Water Valve Box
-  Existing Water Meter
-  Existing Fire Hydrant
-  Existing 12" Sewer Line
-  Existing Sewer Manhole
-  Existing Gas Valve Box
-  Existing Gas Manhole
-  Existing Monument
-  Adjusted Monument
-  Existing 24" Drain Line
-  Existing Storm Drain Manhole
-  New Grated Drop Inlet
-  Existing Grated Drop Inlet
-  Existing Catch Basin
-  Existing Traffic Sign
-  New Traffic Sign
-  New Traffic Sign With 2 Posts

ORIGINAL PLAN	SURVEY PLOTTED BY	DATE
NOTE BOOK	DRAWN BY	10/03
me/ley	TRACED BY	
Shelton/son	QUANTITIES BY	
	CHECKED BY	

STATE OF HAWAII  
DEPARTMENT OF TRANSPORTATION  
HIGHWAYS DIVISION

**GENERAL NOTES & LEGEND**

HALEAKALA CRATER ROAD RESURFACING  
Kekaulike Avenue to Haleakala National Park  
Project No. 378A-01-04M

Date: October, 2003

SHEET No. 1 OF 1 SHEETS