

GENERAL NOTES

1. The scope of work for this project includes reconstructing weakened pavement areas; cold planing existing pavement; resurfacing; removing existing pavement markings and traffic signs; installing metal guardrails, centerline and reference survey monuments, pavement markings and traffic signs; constructing curbed islands; and dressing shoulders.
2. The Contractor is reminded of the requirements of Subsection 108.01 - Subletting of Contract, which requires him to perform work amounting to not less than 30 percent of the total contract cost less deductible items. Non-compliance with this Subsection may be grounds for rejection of bid.
3. The Contractor's attention is directed to the following Sections of the Special Provisions: Subsection 107.13 - Public Convenience and Safety, and Section 645 -Traffic Control.
4. 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.
5. 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.
6. The exact locations and limits or areas to be filled with leveling course, excavated, reconstructed and cold planed shall be determined in the field by the Engineer.
7. All lanes shall be open to traffic during peak hours from 6:30 A.M. to 8:30 A.M., during afternoon peak hours from 3:30 P.M. to 6:00 P.M. and during off work hours. Only one lane of highway shall be closed at any other time. Failure of the Contractor to open all lanes of traffic during the times specified above shall result in assessment of liquidated damages as specified in Section 108.08 of the Special Provisions.
8. The Contractor shall notify the Engineer in writing, two (2) weeks prior to starting paving operations.
9. 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.
10. All holes, depressions and wheel ruts shall be filled and compacted with Asphalt Concrete Pavement, Mix No. V prior to resurfacing. This work will be paid for under Asphalt Concrete Pavement, Mix No. IV.
11. Smooth riding connections shall be constructed at all limits of resurfacing, including the beginning and end of project, connecting approaches, side streets and driveways as shown on the plans.
12. Trimming and 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. Suitable materials shall include materials from roadway excavation, including topsoil and base material therefrom, and if necessary, additional materials from borrow or as specified by the Engineer at no cost to the State. Asphalt removed from cold planing, reconstruction and roadway excavation shall not be used for dressing of shoulders, sidewalks and bus turnouts.
13. The contractor shall provide for access to and from all existing side streets and driveways at all times.
14. All saw cutting work shall be considered incidental to Asphalt Concrete Pavement, Mix No. IV and will not be paid for separately.

15. 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.
16. After completion of resurfacing, the Contractor and the Engineer will test for, and determine ponding areas (i.e. low spots within the resurfaced area). It shall be the responsibility of the Contractor to correct and resurface and/or repair all such ponding areas.
17. Contractor shall exercise extreme caution to preserve BENCHMARKS (Survey Monuments). Whenever the center of a Survey Monument is less than three (3) feet from the edge of construction, the Contractor shall retain a Licensed Land Surveyor to reference the location of said Survey Monument.
- Benchmarks that are disturbed or destroyed shall be restored under a Licensed Land Surveyor's direction. Copies of field notes, descriptions and new values of the new benchmark shall be sent to the Department of Transportation, Highways Division, Cadastral Engineering Section for review and approval prior to construction.
18. All asphalt concrete materials from cold planing, reconstruction and roadway excavation operations shall become the property of the Contractor. The Contractor shall remove and dispose these materials at no cost to the State.
19. Removal and disposal of concrete posts (guide posts for existing culverts) shall not be paid for separately, but shall be considered incidental to the various contract items.

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	50A-01-02M	2004	3	31

LEGEND

	Cold Planing Areas		Existing Metal Guardrail
	Reconstruction Areas		New Metal Guardrail
	Resurfacing Limits		Adjusted and/or Relocated Metal Guardrail
	Existing Power Pole		Existing Fire Hydrant
	Existing Electric Manhole		Existing Sewer Line
	Adjusted Elec. MH Frame/Cover		New 12 inch Sewer Line
	Existing Telephone Manhole		Existing Sewer Manhole
	Adjusted Tel. MH Frame/Cover		Adjusted Sewer Manhole Frame/Cover
	Existing 12 inch Water Line		New Sewer Manhole
	Existing Water Manhole		Existing Monument
	Adjusted Water MH Frame/Cover		Adjusted or Reconstructed Monument
	Existing Water Air Valve		New Monument
	Adjusted Water Air Valve		Existing 24 inch Drain Line
	Existing Water Valve Box		Existing Storm Drain Manhole
	Adjusted Water Valve Box		Adjusted Storm Drain Manhole Frame/Cover
	Water Valve Box Below Exist. A.C. Pavement (to be Adjusted)		Existing Grated Drop Inlet
	Existing Water Meter		Adjusted Grated Drop Inlet
	Adjusted Water Meter		
	Existing Traffic Sign		
	New Traffic Sign		

SURVEY PLOTTED BY	DATE
DRAWN BY	
TRACED BY	
NOTED BY	
CHECKED BY	

STATE OF HAWAII  
DEPARTMENT OF TRANSPORTATION  
HIGHWAYS DIVISION

GENERAL NOTES AND LEGEND

KAUMUALII HIGHWAY RESURFACING

Vicinity of Mana

Project No. 50A-01-02M

Date: August 2003

SHEET No. 1 OF 1 SHEETS