

GENERAL NOTES

1. The scope of work for this project includes reconstructing weakened pavement areas; cold planing existing pavement; resurfacing; installing centerline and reference survey monuments; removing and installing pavement markers and traffic signs; and dressing of shoulders.
2. The Contractor is reminded of the requirements of Subsection 108.01 - Subcontracts.
3. 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.
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 reconstructed shall be determined in the field by the Engineer.
7. All work on this project shall be conducted during daytime between 8:30 A.M. and 3:30 P.M. 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 6:30 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 108.09 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. Smooth riding connections shall be constructed at all limits of resurfacing and/or cold-planing, including the beginning and end of project, connecting approaches, side streets and driveways as shown on the plans.
11. 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 outside the limits of the right of way. Asphalt concrete removed from cold planing, reconstruction and roadway excavation shall not be used for dressing of shoulder, sidewalk or bus turnout. This work shall be considered incidental to the various contract items.
12. Earth swale shall be graded to drain. This work shall be considered incidental to the various contract items.
13. 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.
14. The Contractor shall provide for access to and from all existing driveways, sidewalks and ADA access routes, and side streets and cross streets at all times. This work shall be considered incidental to the various contract items, and will not be paid for separately.

15. Install new Type II Object Marker on all utility poles or trees that are within the State Highway Right-of-Way and within 30 feet of the roadway edge of pavement as directed by the Engineer. Refer to Standard Plan TE-17.
16. Prior to his resurfacing operations, the Contractor shall be responsible for locating, preserving and marking all utility & highway facilities that will require adjustments to the new finished pavement grade. Additionally, the Contractor shall submit to the Engineer a list of all items, including water, drainage, sewer, electrical, telephone and cable utilities to be adjusted to the new finished grade.
17. 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.
18. 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.
19. 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.
20. The Contractor shall retain the services of a Hawaii licensed surveyor to establish control points at the beginning and end of project, points of intersection, intermediate points at intervals of 1000 linear feet, and all construction stakeout required to complete the job. In addition, Contractor's surveyor shall furnish benchmarks and stakeout monuments, property lines and right-of-way lines. Payment for surveyor's services shall not be paid for separately, but shall be considered incidental to contract Item No. 613.0110 - Centerline and Reference Survey Monument.
21. Any work specified in the contract but not listed separately in the proposal schedule shall be considered incidental to other various contract items and shall not be paid for separately.
22. All asphalt concrete materials from cold planing operations shall become the property of the State. The Contractor shall deliver the cold-planed asphalt materials to the State Highways baseyard in Puhi. Prior to delivering the materials, the Contractor shall contact the Maintenance Engineer to make arrangements for the material delivery. Asphalt materials removed by cold planing from roadway reconstruction and roadway excavation areas shall be included in the delivery to the State Highways baseyard. This work shall not be paid for separately, but shall be considered incidental to the various contract items.
23. No material and/or equipment shall be stockpiled or otherwise stored within the highway right-of-way except at locations designated in writing and approved by the Engineer. If use of location is approved by the Engineer, the Contractor shall obtain a permit to use the property within the highway right-of-way from the State Right-of-Way Branch at Tel. No. 692-7332.
24. All saw-cutting work, including the handling and disposal of the slurry (cooling water and asphalt pavement saw dust) from the saw-cutting work shall be considered incidental to Asphalt Concrete Pavement, Mix No. IV and will not be paid for separately. Slurry from the saw-cutting work shall be handled and disposed of in accordance with the Water Pollution Control Note B - Waste Disposal, on Plan Sht. #4.
25. The limits of the resurfacing are also the limits of cold-planing, except unless otherwise indicated on the plans.

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	50B-01-06M	2006	3	20

LEGEND

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

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

GENERAL NOTES AND LEGEND

KAUMUALII HIGHWAY REHABILITATION

Waimea Bridge to Mahaikona Bridge

Project No. 50B-01-06M

Date: Feb. 2006

SHEET No. 1 OF 1 SHEETS