

GENERAL NOTES

1. The scope of work for this project includes reconstructing weakened pavement areas; cold planing; resurfacing; adjusting storm drain manholes, water valve boxes and centerline and reference survey monuments; removing and installing pavement markings and traffic signs; and dressing of shoulders.
2. The Contractor is reminded of the requirements of Subsection 105.16 - Subcontracts.
3. The Contractor's attention is directed to the following Sections of the Special Provisions: Subsection 107.06 - Contractor Duty Regarding Public Convenience; Subsection 104.11 - Utilities and Services; and Section 645 - Work Zone 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 108.09 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 Hot Mix Asphalt Pavement, Mix No. IV and will not be paid for separately.
10. 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.
11. Trimming and dressing of shoulder shall consist of clearing, grubbing, grading, reshaping and compacting the unpaved shoulders with suitable material, and grassing the dressed shoulder areas. 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 shall not be used for dressing of shoulders. Trimming and dressing of shoulders, including grassing of the dressed shoulders, shall not be paid for separately, but shall be considered incidental to the various contract items.
12. Earth swale shall be graded to drain. Graded swales shall be grassed. 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 shall furnish materials, equipment, labor, tools and incidentals necessary to maintain flow. This work shall be considered incidental to the 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. All saw cutting work, including the handling and disposal of the slurry (cooling water and asphalt pavement sawdust) from the saw cutting shall be considered incidental to Hot Mix Asphalt 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 Sheet No. 4.
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.
- 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.
19. All asphalt concrete materials from cold planing, reconstruction and roadway excavation operations shall become the property of the State. The Contractor shall deliver these materials to a location as directed by the Engineer. This work shall be considered incidental to the various contract items.
20. 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.
21. 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 Highways Division at telephone no. 241-3000.
22. Except for replacing of existing traffic signs, no other work shall be done between & P.T. Sta. 634+80.49 (M.P. 25.80) and & Sta. 647+00 (M.P. 26.03).

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	56D-03-08M	2008	3	20

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 Electric Pullbox		Existing Sewer Manhole
	Existing Street Light Post		Adjusted Sewer Manhole
	Existing Telephone Manhole		New Sewer Manhole
	Adjusted Tel. MH Frame/Cover		Existing Monument
	Existing Telephone Pullbox		Adjusted Monument
	Existing 12 inch Water Line		New Monument
	Existing Water Manhole		Existing 24 inch Drain Line
	Adjusted Water MH Frame/Cover		Existing Storm Drain Manhole
	Existing Water Air Valve		Adjusted Storm Drain Manhole
	Adjusted Water Air Valve		Existing Grated Drop Inlet
	Existing Water Valve Box		New Grated Drop Inlet
	Adjusted Water Valve Box		Adjusted/Reconstructed Drain Inlet or Replaced Steel Grate
	Existing Water Meter Box		
	Adjusted Water Meter Box		
	New Type "B" Meter Box with C.I. Cover		
	Existing Traffic Sign		
	New Traffic Sign		

SURVEY PLOTTED BY	DATE
DRAWN BY	12/07
TRACED BY	
NOTED BY	
QUANTITIES BY	
CHECKED BY	
ORIGINAL PLAN	
NOTE BOOK	
FILE	
NO.	

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

GENERAL NOTES AND LEGEND

KUHIO HIGHWAY RESURFACING
Anini Vista Drive to Mile Post 27.0
Project No. 56D-03-08M

Date: March 2008

SHEET No. 1 OF 1 SHEETS