

GENERAL NOTES

1. The project includes reconstructing weakened pavement areas, cold planing, repairing culverts, adjusting manholes, monuments and valve boxes, replacing guardrails, resurfacing and installing pavement signs and markings.
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 50 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; 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 filled with leveling course, reconstructed and cold planed shall be determined in the field by the Engineer.
7. The Contractor shall notify in writing, the Oahu Transit Services, Inc. Roads Supervision Office, 811 Middle St., Hon., HI 96819 (ph. \*848-4571) seven (7) days prior to any paving operations.
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 prior to the overlaying of Asphalt Concrete. This work shall be considered incidental to Asphalt Concrete Pavement, Mix No. V 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. V.
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 and/or as directed by the Engineer.
12. 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.
13. Earth swale shall be graded to drain. This work shall be considered incidental to the various contract items.

14. The contractor shall provide for access to and from all existing side streets at all times.
15. All saw cutting work shall be considered incidental to Excavation for Reconstruction of Weakened Pavement Areas.

DRAINAGE NOTES

1. 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.
2. The Contractor shall verify the locations of all existing culverts and utilities in the field. Any existing culverts and utilities damaged during construction shall be repaired or replaced by the Contractor at his own expense.
3. Only non-pneumatic type of drill as approved by the Engineer will be permitted for drilling holes in concrete. Where indicated on Plans, the approximate diameter of drilled holes for installation of dowels shall be 3/4", and voids after installing dowels shall be filled with epoxy grout.
4. Demolishing, removing, and disposing portions of existing drainage structure shall not be paid for separately, but shall be considered incidental to the various Contract Items.
5. For added reinforcing around new and existing culvert and manhole openings, see Standard Plan H-04.
6. The Contractor shall clean existing culverts at the following locations:
- a. 18" Culvert - Sta. 145+90 o/s 30' Rt to 145+70 o/s 34' Lt (66 LF)
  - b. 36" Culvert - Sta. 113+74 o/s 22' Rt to 113+38 o/s 24' Lt (54 LF)
  - c. 24" Culvert - Sta. 142+16 o/s 20' Rt to 142+18 o/s 22' Lt (42 LF)
- Cleaning of culverts shall be paid for on a force account basis under Item No. 603.5001-Cleaning Existing Culvert System.

LEGEND

- Reconstruction Areas
- Cold Planing Areas
- Resurfacing Limits
- Existing Electrical Line
- New Electrical Line
- Existing Joint Pole
- Existing Power Pole
- Existing Electric Manhole
- Adjusted Elec. MH Frame/Cover
- New Electric Manhole
- Existing Electric Handhole
- Adjusted Elec. HH Frame/Cover
- Existing Electric Pull Box
- Existing Telephone Line
- New Telephone Line
- Existing Telephone Pole
- Existing Telephone Manhole
- Adjusted Tele. MH Frame/Cover
- New Telephone Manhole
- Existing Telephone Handhole
- Adjusted Tele. HH Frame/Cover
- Existing Telephone Pull Box
- Existing Signal Corps Line
- New Signal Corps Line
- Existing TV Cable
- New TV Cable
- Existing TV Handhole
- Existing 12" Water Line
- New 12" Water Line
- Existing Water Manhole
- Adjusted Water MH Frame/Cover
- New Water Manhole
- Existing Water Air Valve
- Adjusted Water Air Valve
- New Water Air Valve
- Existing Water Valve Box
- Adjusted Water Valve Box
- New Water Valve Box
- Existing Water Meter
- Adjusted Water Meter
- New Water Meter
- Existing Fire Hydrant
- Existing Fire Hydrant w/ Curb Guard
- New Fire Hydrant
- Existing Sewer Line
- New 12" Sewer Line
- Existing Sewer Manhole
- Adjusted Sewer MH Frame/Cover
- New Sewer Manhole
- Existing 6" Gas Line
- New 6" Gas Line
- Existing Gas Valve Box
- Adjusted Gas Valve Box
- New Gas Valve Box
- Existing Gas Manhole
- Adjusted Gas MH Frame/Cover
- New Gas Manhole
- Existing Monument
- Adjusted Monument
- New Monument
- Existing 24" Drain Line
- New 24" RCP Drain Line
- Existing Storm Drain Manhole
- Adjusted Storm Drain MH Frame/Cover
- New Storm Drain Manhole
- Existing Grated Drop Inlet
- Existing Catch Basin
- Existing Traffic Sign
- Existing Highway Lighting Standard
- Existing Traffic Signal Pull Box
- Adjusted Traffic Signal Pull Box Frame/Cover
- Existing Traffic Signal Pole

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	72BC-01-97M	1997	3	32

SURVEY PLATTED BY	DATE
DRAWN BY	
CHECKED BY	
NOTED BY	
DATE	

STATE OF HAWAII  
DEPARTMENT OF TRANSPORTATION  
HIGHWAYS DIVISION

**GENERAL NOTES AND LEGEND**

**KALANIANA'OLE HWY. RESURFACING**  
**Keahole St. to Hanauma Bay**  
**Proj. No. 72BC-01-97M**

Not to Scale Date: May, 1997

SHEET No. 1 OF 1 SHEETS