

| FED. ROAD DIST. NO. | STATE | FED. AID PROJ. NO. | FISCAL YEAR | SHEET NO. | TOTAL SHEETS |
|---------------------|-------|--------------------|-------------|-----------|--------------|
| HAWAII | HAW. | 83B-01-97M | 1997 | 3 | 25 |

GENERAL NOTES

- The project includes resurfacing; reconstructing weakened pavement, cold planing area, adjusting monument, manhole, and valve box frame and cover; and installing sign and pavement marking.
- 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. The Contractor's attention is directed to the following Sections of the Special Provisions: Subsection 104.04 - Maintenance of Traffic; Subsection 107.21 - Contractor's Responsibility For Utility Property And Services; and Section 645 -Traffic Control.

- 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.
- 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. 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.

The Contractor shall notify in writing, the Oahu Transit Services, Inc. Roads Supervision Office, 811 Middle St., Honolulu, HI 96819 (ph. #848-4571) seven (7) days prior to any paving operations.

- The Contractor shall notify the Engineer in writing, two (2) weeks prior to starting paving operations.
- 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. IV and will not be paid for separately. 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.

- 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.

- Dressing of shoulder and lift pad 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.

- 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.

- Earth swale shall be graded to drain. This work shall be considered incidental to the various contract items.
- The Contractor shall provide for access to and from all existing side streets at all times.
- All saw cutting work shall be considered incidental to various contract items.
- When providing an accessible route to and from bus stops, a 36" wide route with a max. cross slope of 1:50 shall be maintained. Where construction of this route is prevented by the right-of-way or existing structural terrain constraints, the route shall be made as wide as existing conditions allow.

COLD PLANING NOTES

- Prior to cold planing over an existing structure, the Contractor shall determine the actual depth of the existing asphalt concrete pavement. The Contractor shall take several cross section measurements throughout the structure. If the thickness of the existing pavement is less than the proposed resurfacing thickness, the Contractor shall remove the existing pavement to the level of the structure and resurface to the original thickness. This work shall be considered incidental to cold planing, and will not be paid for separately.
- In cold planing the pavement over a structure, the Contractor shall exercise care not to damage any portion of the structure, especially the slab, joints, drain pipes or reinforcement. Any damage to the structure during the cold planing operations shall be repaired by the Contractor at his own expense. Repair work shall be as directed by the Engineer. The Contractor shall verify the existing pavement thickness by hand digging at various locations. This work shall be considered incidental to cold planing, and will not be paid for separately.
- The vertical pavement drop-off shall not exceed 3-inches. If a vertical pavement drop-off exists at the end of each day's cold planing and paving, the Contractor shall provide a wedge with a 48:1 minimum transition taper for transverse drop-off and no steeper than 6:1 for longitudinal drop-off, as approved by the Engineer. This work shall be considered incidental to Cold Planing.

LEGEND

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|---|---------------------------------------|
|  | Reconstruction Areas |
|  | Cold Planing Areas |
|  | Resurfacing Limits at Driveway |
| —e— | Existing Electrical Line |
| °j _p | Existing Joint Pole |
| °p _p | Existing Power Pole |
| °em _h | Existing Electric Manhole |
| —t— | Existing Telephone Line |
| °t _p | Existing Telephone Pole |
| °t _{m_h} | Existing Telephone Manhole |
| —s _c — | Existing Signal Corps Line |
| —tv— | Existing TV Cable |
| —w-12— | Existing 12" Water Line |
| —W-12— | New 12" Water Line |
| °w _{m_h} | Existing Water Manhole |
| °WMH | Adjusted Water MH Frame/Cover |
| °av | Existing Water Air Valve |
| °AV | Adjusted Water Air Valve |
| °w _v | Existing Water Valve Box |
| °WV | Adjusted Water Valve Box |
| °w _m | Existing Water Meter |
| °f _h | Existing Fire Hydrant |
| °men | Existing Monument |
| °MON. | Adjusted Monument |
| ---d-24--- | Existing 24" Drain Line |
| °s _{d_{m_h}} | Existing Storm Drain Manhole |
| °SDMH | Adjusted Storm Drain MH Frame/Cover |
| °g _{d_i} | Existing Grated Drop Inlet |
| °c _b | Existing Catch Basin |
| °p | Existing Traffic Sign |
| °o | Existing Highway Lighting Standard |
| °ep | Existing Edge of Pavement (Travelway) |
| °es | Existing Edge of Shoulder |
| R/W | Right-of-Way |

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| ORIGINAL PLAN | DATE |
| SURVEY PLOTTED BY | 12-24-97 |
| DRAWN BY G. Alburado | |
| DESIGNED BY R. Hironaka, J. Sawa | |
| CHECKED BY | |
| NOTED BY | |
| DATE | |

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| STATE OF HAWAII DEPARTMENT OF TRANSPORTATION HIGHWAYS DIVISION | |
| GENERAL NOTES AND LEGEND | |
| KAMEHAMEHA HIGHWAY RESURFACING | |
| Kawailoa Drive to Kapuhi Street | |
| Project No. 83B-01-97M | |
| Scale: None | Date: Oct, 1996 |
| SHEET No. 1 OF 1 SHEETS | |