







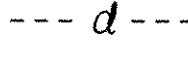

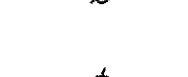
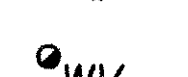
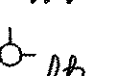

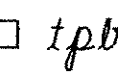


GENERAL NOTES

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	HWY-M-01-06M	2006	3	30

- The project consists of four locations of State Highways, Haleakala Highway (MP 0.00 to MP 0.91 and MP 5.50 to MP 5.70), Kula Highway (MP 7.76 to MP 8.09) and Piilani Highway (MP 5.93 to MP 7.16). The project includes reconstructing weakened pavement areas; resurfacing existing pavement; cold planing; adjusting water valves, manhole covers, monuments; striping; and installing signing and pavement markings.
- The Contractor shall remove and dispose of all existing raised pavement markers, thermoplastic line markings, traffic tapes, and epoxy adhesives prior to overlaying of Asphalt Concrete. This work shall be considered incidental to Asphalt Concrete Pavement, Mix No. IV and will not be paid for separately.
- Prior to resurfacing, the existing surface shall be cleaned as described in Section 310 of the Standard Specifications and as amended. Payment shall be considered incidental to the various contract items.
- As shown on the plans or directed by the Engineer, a smooth riding transition shall be provided at the beginning and end of the project, at side streets, driveways, between all pavement areas used by public traffic during each construction phase, and between transition of construction phases. Payment for this work shall be made under Item No. 401.0400, A.C. Pavement, Mix No. IV.
- The Contractor's attention is directed to Sub-Sections 104.04, 107.13 and Section 645 of the Standard Specifications and the Special Provisions.
- Saw-cutting of existing pavement shall not be measured or paid for separately, but shall be considered incidental to cold planing.
- All lanes shall be open to traffic during the morning peak hours from 6:30 a.m. to 8:30 a.m. and during afternoon peak hours from 3:30 p.m. to 6:00 p.m. and off work hours. Only one lane of highway shall be closed at any other time.
- The existence and location of underground utilities, manholes, monuments, pullboxes, traffic signal loops and structures as shown on the plans are from the latest available data but accuracy is not guaranteed. The encountering of other obstacles during the course of the work may be possible. The Contractor shall be held liable for any damages incurred to the existing facilities as a result of his operations or shall not be disturbed during cold planing and/or pavement reconstruction. All damaged portions shall be replaced on accordance with the Standards and Specifications of the State and/or the affected utility company.
- The exact limits of areas to be reconstructed shall be determined in the field by the Engineer. The depth of excavation for reconstruction shall be the reconstruction thickness minus the overlay thickness as designated on the plans. The excavated areas shall be reconstructed with Plant Mix Glassphalt Concrete Base Course prior to resurfacing.

- The Contractor shall notify the State, in writing, two weeks prior to starting paving operations.
- All construction signs shall be left in place until all construction items have been completed. Contractor shall obtain prior approval from the Engineer to remove construction signs.
- The Contractor shall reference all existing pavement markings prior to resurfacing. Final placement of the new pavement markings shall be as approved by the Engineer. Payment for this work shall be considered incidental to new pavement markers and striping. See Standard Detail, TE 30.
- All holes, cracks and large depressions shall be filled and compacted with A.C. Pavement, Mix No. IV prior to resurfacing. Pavement shall be under Item No. 401.0400, A.C. Pavement, Mix No. IV.
- Existing drainage system will be functional at all times during construction. The Contractor is to furnish materials, equipment, labor, tools and incidents necessary to accomplish maintenance of flow, the cost of which shall be considered incidental to the various contract items.
- Resetting or adjusting guardrail post shall include adjustment of terminal sections including foundations etc. to meet required height.
- At the end of each day's work and night's work, the Contractor shall remove all equipment and other obstructions to permit free and safe passage of public traffic.
- All manholes frames and covers affected by the resurfacing shall be adjusted to the new grades as directed by the Engineer.
- Cold planed 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. Exact locations shall be determined in the field by the Engineer. Payment for this work approaches, side streets and driveways as shown on the plans shall be considered incidental to Item No. 652.0100.
- Dressed shoulders shall consist of cleaning, grubbing, grading, reshaping and compacting the unpaved shoulders will suitable excavated materials as shown on the plans and/or as directed by the Engineer. This work shall be considered incidental to the various contract items.
- Prior to cold planing verify the locations of all existing detector loop cables within the areas to be cold planed. Continuity of Services: During construction or other improvements, the Contractor shall keep the traffic signal system operational. The Contractor shall arrange the work accordingly and shall provide temporary relocations and wiring as necessary. Loop detectors damaged during the Contractor's cold planing of pavement areas shall be replaced within 48 hours. Replacement and relocation of the new loop detectors shall be as directed by the Engineer.

LEGEND

-  Reconstruction Areas
-  Cold Planing Areas
-  Resurfacing Limits
-  Existing Guy Pole
-  Existing Joint Pole
-  Existing Power Pole
-  Existing Drain Line
-  Existing Electrical Line
-  Existing Sewer Line
-  Existing Telephone Line
-  Adjusted Water Valve
-  Existing Fire Hydrant
-  Adjusted Storm Drain Manhole
-  Existing Telephone Pullbox
-  Existing Storm Drain Catch Basin

ORIGINAL PLAN	SURVEY PLOTTED BY	DATE
NOTE BOOK	DESIGNED BY	10/2/05
QUANTITIES BY	CHECKED BY	

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION
GENERAL NOTES & LEGEND
HALEAKALA HIGHWAY RESURFACING
Hana Highway to North Firebreak Road and Vicinity of Old Haleakala Highway (MP 5.5 to MP 5.70)
PIILANI HIGHWAY RESURFACING
Kihoa Drive to Wailea Ike Drive
KULA HIGHWAY RESURFACING
Old Haleakala Highway to Vicinity of Haakakai Bridge
Project No. HWY-M-01-06M
Date: October, 2005
SHEET No. 1 OF 1 SHEETS