

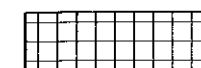

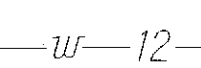



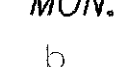



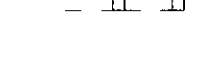


FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	30A-01-10M	2011	3	40

GENERAL NOTES

- The project includes resurfacing the existing pavement; cold planing; installing milled rumble strips, signs and pavement markings; adjusting guardrail posts, manholes and monuments; replace existing end terminals and weigh-in-motion scale sensor.
- The Contractor's attention is directed to Subsection 107.13 - Public Convenience and Safety: Section 645 - Traffic Control and Subsection 104.04 Maintenance of Traffic.
- 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.
- 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 Item No. 401.0400 - Hot Mix Asphalt (HMA) Pavement, Mix No. IV.
- The Contractor shall notify the State 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 Hot Mix Asphalt (HMA) Pavement Mix No. IV and will not be paid for separately.
- ~~All holes, depressions, and wheel ruts and leveling areas as shown on the plans shall be filled and compacted with Asphalt Concrete Pavement, Mix No. V leveling course prior to resurfacing. Payment shall be considered incidental to Hot Mix Asphalt (HMA) Pavement, Mix No. IV.~~
- ~~Unless directed by the Engineer, connections shall be cold planed at all limits of resurfacing including the beginning and end of project, connecting approaches, side streets and driveways.~~
- Dressing shoulder, shall consist of clearing, grubbing, grading, reshaping and compacting the unpaved shoulders with suitable excavated material as shown on the plans and/or as directed by the Engineer. This work shall be considered incidental to the various contract items. Shoulder areas without guardrails shall be dressed at 6:1 slope (max.) unless shown on plans or directed by the Engineer.
- Existing drainage system will be functional at all times during construction. The Contractor is to furnish materials, equipment, labor, tools and incidentals necessary to accomplish maintenance of flow, the cost of which shall be considered incidental to the various contract items.
- The Contractor shall provide for safe access to and from all existing driveways and streets at all times.
- All saw cutting of existing pavement shall not be measured or paid for separately, but shall be considered incidental to various contract items.

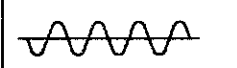
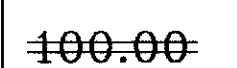
- Unless directed or approved by the Engineer, staggered paving resulting in longitudinal dropoff will not be permitted. In case of emergency, transition wedge with 10:1 slope shall be constructed along the longitudinal joint. Furthermore, temporary markings consisting of double, 4-inch yellow reflective tape with Type "D" markers at 20' o.c. shall be installed. Prior to resuming paving, the transition wedge shall be removed by saw cutting. Furnishing, paving and removing the transition wedge will not be paid for separately but will be considered incidental to Hot Mix Asphalt (HMA) Pavement, Mix No. IV
- At the end of each paving day, transverse joint must be constructed to provide a smooth riding connection. Transition wedge shall be constructed at 10:1 slope or flatter. Prior to resuming paving, the transition wedge shall be removed by saw cutting. Furnishing, paving and removing the transition wedge will not be paid for separately but will be considered incidental to Hot Mix Asphalt (HMA) Pavement, Mix No. IV
- Resetting or adjusting of existing guardrail heights shall include adjustment of terminal sections including foundations, etc. to required height.
- Smooth riding connections shall be constructed at all limits of resurfacing including the beginning and end of project, connecting approaches and side streets as shown on the plans and/or as directed by the Engineer.
- In cold planing the pavement over the structure, the Contractor shall exercise care not to damage any portion of the structure, especially the structure deck, joints, drain pipes and reinforcement. Any damage to the structure during the cold planing operation 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.
- Contractor shall adjust pipe casings of existing centerline survey monument whether shown or not on the plans, in accordance with Standard Plan D-07 or any other method as directed by the Engineer to suit field condition. Contractor to verify existing conditions prior to construction. Adjustment of centerline monument will be paid for at the Contract Unit Price regardless of method used. Contractor shall clean existing monuments to expose survey pins.
- 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.
- Cold plane roadway areas 2" deep and shoulder areas 1½" deep.

LEGEND

-  Cold Planing Areas
-  Resurfacing Limits
-  Existing 12" Water Line
-  Adjusted Water MH Frame/Cover
-  Adjusted Water Valve Box
-  Existing Monument
-  Adjusted Monument
-  Existing Traffic Sign With 1 Post
-  Existing Traffic Sign With 2 Posts
-  Existing Single Metal Guardrail
-  New Single Metal Guardrail
-  Existing Double Metal Guardrail
-  RM-3

DESIGNED BY	DATE
TRACED BY	11/10
DESIGNED BY	
QUANTITIES BY	
CHECKED BY	

ORIGINAL PLAN
NOTE BOOK
11/10/10

LEGEND FOR AS-BUILT POSTINGS	
	Squiggly line for as-built deletion
	Double line for as-built deletion
Roadway	Text for as-built posting

STATE OF HAWAII DEPARTMENT OF TRANSPORTATION HIGHWAYS DIVISION
GENERAL NOTES AND LEGEND
HONOAPIILANI HIGHWAY RESURFACING Vicinity of Hoonui Road to Plantation Estates Golf Course Project No. 30A-01-10M
Date: April, 2009
SHEET No. 1 OF 1 SHEETS