





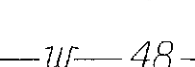
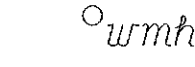













GENERAL NOTES

1. The scope of work for this project consists of cold planing road surfaces, resurfacing of existing pavement, installing pavement markings and striping; adjusting manholes and survey monuments; resetting existing guardrail posts; cleaning culverts and reconstructing weakened pavement areas.
2. The Contractor's attention is directed to the following Sections of the Special Provisions: Subsection 107.02 - Permits and and Licenses; Subsection 107.06 - Contractor Duty Regarding Public Convenience; Subsection 104.II - Utilities and Services; and Section 645 - Work Zone Traffic Control.
3. The Contractor is reminded of the requirements of Subsection 105.16 - Subcontracts, which requires him to perform work amounting to not less than 30 percent of the total contract cost less deductible items. Non-compliance with this Subsection may be grounds for rejection of bid.
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 cold planed shall be determined in the field by the Engineer. Cold planing to be done at side roads, begin and end project shall be paid under Item No. 415.0100 (Cold Planing).
7. The Contractor shall notify the Engineer in writing, two (2) weeks prior to starting paving operations.
8. 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 HMA Pavement, Mix No. IV and will not be paid for separately.
9. 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.
10. Dressing of shoulder, sidewalk 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.
11. 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.
12. Earth swale shall be graded to drain. This work shall be considered incidental to the various contract items.
13. The contractor shall provide for access to and from all existing side streets at all times.
14. All saw cutting work shall not be paid for separately but shall be considered incidental to various contract items.

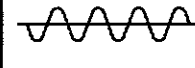
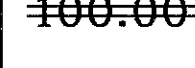
15. The lateral limit of resurfacing at guardrail locations shall be at least to the face of the rail element.
16. New A.C. pavement at guardrails shall extend 6 feet longitudinally beyond the terminal ends.
17. The endangered Hawaiian goose (*Branta sandvicensis*, nene) has been observed in the vicinity of Honoapiilani Highway, south of Olowalu. We recommend avoiding road work during the nene breeding season December through April). If work must be conducted during this season and nene are observed in the vicinity, then we recommend that a biologist familiar with the nesting behavior of nene survey the area prior to the initiation of any work. If a nest is discovered, work should cease immediately and our office should be contacted for further guidance. Furthermore, all on-site project personnel should be apprised that nene may be in the vicinity of the project. If any nene appears within 100 feet (30.5 meters) of ongoing work, all activity should be temporarily suspended until the animal leaves the area of its own accord.
18. The threatened Newell's shearwater (*Puffinus auricularies newelli*) and endangered Hawaiian petrel (*Pterodroma sandwichensis*); collectively known as seabirds, may traverse the project area when flying between the ocean and mountain nesting sites during their breeding season (March through December). Artificial lighting, such as street lights and flood lights, can adversely impact seabirds by causing disorientation that results in exhaustion or collision with objects, such as utility lines, guy-wires, and structures that extend above surrounding vegetation. We recommend that you avoid working at night from September through December, as fledgling juvenile seabirds are vulnerable to the effects of artificial lighting sources. If nighttime work becomes a necessary measure to complete project objectives, then it is our recommendation that artificial lighting be shielded with the bulb pointed directly at the ground where work is taking place.

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	STP-030-K(048)	2012	3	25

LEGEND

-  Reconstruction Areas
-  Cold Planing Areas
-  Resurfacing Limits
-  Existing Power Pole
-  Existing 18" Water Line
-  Existing 48" Water Line
-  Existing Water Manhole
-  Existing Water Valve Box
-  Adjusted Water Valve Box
-  Existing Fire Hydrant
-  Adjusted Storm Drain MH Frame/Cover
-  Existing 24" Drain Line
-  Existing Grated Drop Inlet
-  Existing Traffic Sign
-  New Traffic Sign
-  New Traffic Sign With 2 Posts
-  Adjusted Sewer MH Frame/Cover
-  Adjusted Monument
-  2" Mill/Fill Under 1.5" Overlay

ORIGINAL PLAN	SURVEY PLOTTED BY	DATE
	DRAWN BY	10/03
	DESIGNED BY	
	CHECKED BY	
NOTE BOOK	DESIGNED BY	
	CHECKED BY	
	DATE	
	NO.	

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 & LEGEND
HONOAPIILANI HIGHWAY PAVEMENT PREVENTIVE MAINTENANCE
Lahainaluna Road to Kaanapali Parkway
Federal-Aid Project No. STP-030-K(048)
Date: July, 2011
SHEET No. 1 OF 1 SHEETS