

GENERAL NOTES

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	460A-01-99M	1999	3	41

- The scope of this work includes resurfacing; installing and adjusting guardrails; upgrading guardrail terminals; cold planing; installing of roadway signs and pavement markings; adjusting centerline survey monuments; transporting and maintaining field office and project site laboratory and water pollution control.
- The Contractor is reminded of the requirements of Subsection 108.01 - Subletting of Contract, which require him to perform work amounting to not less than 50% of the total contract cost less deductible items. Non-compliance with this section maybe grounds for rejection of bid.
- 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.
- The exact locations and limits of areas to be cold planed shall be determined in the field by the Engineer. Cold planing shall not be paid for separately but shall be considered incidental to AC Pavement, Mix No. IV.
- Removal of existing dike along guardrails shall be paid under Item No 203.0100 Roadway Excavation.
- 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, thermoplastic line markings, traffic tapes, and epoxy adhesives 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, 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. This work will be paid for under Asphalt Concrete Pavement, Mix No. IV.
- Unless directed by the Engineer, smooth riding connections shall be cold planed at the beginning and end of project limits of resurfacing.
- Dressing shoulder work 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. Shoulder areas without guardrails shall be dressed at 6:1 slope (max.) unless shown on plans or directed by the Engineer. All dressing materials shall be free of all rocks.
- 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.
- Contractor shall adjust the height of existing guardrail post such that the guardrail element will be at the required height as specified in the contract or as ordered by the Engineer. The Contractor shall excavate and compact the ground around the post with suitable material. The contractor shall compact as required by the post adjustment. The contractor shall replace guardrails which are damaged by the contractor due to its operation at no cost to the State.
- 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 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 Asphalt Concrete 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 Asphalt Concrete Pavement, Mix No. IV.
- Resetting or adjusting of existing guardrail heights shall include adjustment of terminal sections including foundations, etc. to required height.
- Whenever "FLEAT-350" is noted on these plans, it means Flared Energy Absorbing Terminal - 350. See Plan Sheet 11 for details.
- All guardrail and traffic sign elements which are removed and not to be incorporated on the finished project shall be cleaned, neatly stockpiled and strapped on a skid or palette, and delivered to the State Maintenance Baseyard located in Kaunakakai Molokai. The Contractor shall submit inventory list of these materials to the Engineer before delivery. This work shall not be paid for separately but shall be considered incidental to various guardrail and sign contract items.
- 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.
- Excess materials excavated from the shoulder widening belongs to the State and shall be stockpiled along the highway or areas assigned by the Engineer . This excess material will be taken away by the State Maintenance section for their own use. Stockpiling excess material shall not be paid for separately but shall be considered incidental to shoulder widening.

- Contractor shall adjust pipe casings of existing centerline survey monument even when such work is not indicated on the plans, in accordance with Standard Plan D-06 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.

LEGEND

	Existing Power Pole
	Existing 4" Water Line
	Existing 8" Water Line
	Existing 12" Water Line
	Existing Water Valve Box
	Existing Telephone Pole
	Existing Single Metal Guardrail
	Existing Single Metal Guardrail to be replaced
	New Single Metal Guardrail
	Existing Earth Mound terminal
	Existing Type C or Type F terminal to remain
	Existing Type C or Type F terminal to be demolished
	New Type C or Type F terminal
	Existing Grated Drop Inlet
	Existing Catch Basin
	Existing Traffic Sign With 1 Post
	Existing Traffic Sign With 2 Posts
	New Traffic Sign With 1 Post
	New Traffic Sign With 2 Posts
	Existing Highway Lighting Standard
	Reflector Marker
	Leveling Area
	Cold Planing Area
	Existing Water Manhole
	Existing Fire Hydrant
	Emergency Call Box
	Existing Fence
	Adjusted Monument
	Existing Monument
	Resurfacing Limits

STATE OF HAWAII DEPARTMENT OF TRANSPORTATION HIGHWAYS DIVISION
GENERAL NOTES AND LEGEND
MAUNALOA HIGHWAY RESURFACING
Maunaloa Village to Mahana
Project No. 460A-01-99M
Date: February, 1999
SHEET No. 1 OF 1 SHEETS