

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	STP-0470(5)	2001	3	30

GENERAL NOTES

- The project begins on Kalae Highway at M.P. 0.00 in the vicinity of Maunaloa Highway (Route No. 460) and proceeds towards Kalaupapa Lookout ending at M.P. 5.79. The scope of work for this project consists of installing guardrails and upgrading end terminals; resetting existing guardrail post; extension of existing pipe culverts; constructing new paved shoulder and concrete gutters; and installing pavement markings and pavement striping.
- 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 Sub-Section 104.04 Maintenance of Traffic, 107.13 Public Convenience and Safety, 107.21 Contractors Responsibility for Utility Property and Services, Section 645 Traffic Control of the Standard Specifications and the Special Provisions.
- 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 the 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.
- Saw-cutting of existing pavement shall not be measured or paid for separately but shall be considered incidental to Roadway Excavation.
- Dressing of 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.
- The Contractor shall notify the State in writing, two (2) 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.
- Smooth riding connections shall be constructed at the beginning and end of the project, and at all connecting approaches as directed by the Engineer. This work shall be considered incidental to installation of paved shoulders.
- The Contractor shall not leave more than 1½" drop-off at the edge of pavement, at the end of each work day. Whenever the Contractor leaves a 1½" drop-off, the Contractor shall install portable concrete barriers with appropriate markings along the edge of pavement. This work, which includes furnishing, installing, cleaning, maintaining correct placement and removing when required, shall be considered incidental to Roadway Excavation.
- 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 Contractor shall provide for access to and from all existing sideroads and driveways at all times.
- The Contractor shall construct shoulder and install guardrail only one side at a time. Guardrail terminals shall be installed before moving on to new location.

- Sign posts shall be square tube post. Refer to Standard Plans for details.
- Demolishing, removing and disposing of existing concrete headwall shall be considered incidental to installation of reinforced concrete pipe and will not be paid for separately.
- Where existing guardrails are located, paved shoulder shall be constructed up to the face of the guardrail. Paved shoulder widths shall be determined in the field and approved 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 maintain flow. This work shall be considered incidental to various contract items.
- Removal of guardrails and posts will not be paid for separately but shall be considered to be incidental to installing guardrails.
- Existing guardrail appurtenances that will be removed and replaced shall be delivered to the Molokai District Baseyard. Payment for removal, storage and delivery shall be considered incidental to various guardrail pay items.
- Whenever "FLEAT-350" is noted on these plans, it means "Flared Energy Absorbing Terminal". See Plan Sht. No. 12 for details.
- All guardrail layouts shall be done by the Contractor but shall be approved by the Engineer before construction
- No section of incomplete guardrail, footing and/or excavation shall be left unshielded at the end of each work day. Open sections shall be shielded by portable physical barriers. Furnishing, placing, maintaining, relocating and removal of physical barriers shall be considered incidental to the various contract items.
- During working hours, open sections shall be delineated by placing Type II barricades with flashers @ 40' o. c. and traffic cones @ 10' o. c. between barricades. Flushing, placing and maintaining barricades and cones shall be considered incidental to other contract items.

LEGEND

- °pp Existing Power Pole  
°wmh Existing Water Manhole  
◉WMH Adjusted Water MH Frame/Cover  
°wv Existing Water Valve Box  
◻wm Existing Water Meter  
°dmh Existing Sewer Manhole  
◻gdi New Grated Drop Inlet  
- - - - Existing Single Metal Guardrail  
- - - - New Single Metal Guardrail  
- - - - 4" or 8" White Edge Stripe with Type C Raised Pavement Markers @ 40'-0" o.c. (Tape, Type II or Thermoplastic Extrusion)  
RCP Reinforced Concrete Pipe  
◉mon Existing Monument  
- - - - Existing Drain Line  
°admh Existing Storm Drain Manhole  
◻cb Existing Catch Basin  
p Existing Traffic Sign

ORIGINAL PLAN	SURVEY PLOTTED BY	DATE
	DRAWN BY	
	TRACED BY	
	NOTED BY	
NOTE BOOK	QUANTITIES BY	
	CHECKED BY	

STATE OF HAWAII  
DEPARTMENT OF TRANSPORTATION  
HIGHWAYS DIVISION  
**GENERAL NOTES AND LEGEND**  
KALAE HIGHWAY  
GUARDRAIL & SHOULDER IMPROVEMENTS  
Maunaloa Highway to  
Kalaupapa Lookout Parking Lot  
Fed. Aid Project No. STP-0470(5)  
Date: July, 2000  
SHEET No. 1 OF 1 SHEETS