

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	STP-0900(53)	2000	4	73

GENERAL NOTES

1.

The scope of work for this project consists of paving shoulder; installing metal guardrail; upgrading structure end post/rail and guardrail end terminal; and constructing grated drop inlet; culvert extension and headwall.
2.

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.
3.

The Contractor's attention is directed to the following Sections of the Special Provisions: Sub-Section 104.04 Maintenance of Traffic, Subsection 107.13 public Convenience and Safety, Subsection 107.21 Contractors Responsibility for Utility Property and Services, Section 645 Traffic Control.
4.

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.
5.

Saw-cutting of existing pavement and primer shall not be measured or paid for separately but shall be considered incidental to Asphalt Concrete Pavement.
6.

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 Asphalt Concrete Pavement.
7.

The Contractor shall notify the State in writing, two (2) weeks prior to starting paving operations.
8.

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.
9.

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" or greater 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 borrow excavation pay item.
10.

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.
11.

The Contractor shall provide for access to and from all existing side roads and driveways at all times.
12.

The Contractor shall stakeout and clearly mark locations of new guardrails and end terminals to be installed and shall not proceed with installation until approval by the Engineer.
13.

The Contractor shall construct shoulder and install guardrail only one side of the highway a time. Guardrail sections shall be installed complete with guardrail terminals before moving on to new location. No section of incomplete guardrail shall be left unshielded at the end of each work day.

14.

Sign posts shall be square tube post. Refer to Standard Plans for details.
15.

Where new guardrail areas, shoulder shall be grubbed, graded and paved as shown on the plan. Paved shoulder widths shall be determined in the field and approved by the Engineer.
16.

Removal of guardrails and posts will not be paid for separately. Materials that will be removed shall be delivered to State Highways baseyard at Kahului. These work will not be paid for separately but shall be considered incidental to guardrail pay items.
17.

Whenever "FLEAT-350" is noted on these plans, it means "Flared Energy Absorbing Terminal". See Plan Sht. No. 40 for details.
18.

Prior to pounding guardrail posts, Contractor shall verify the locations of all existing underground facilities, structures, manholes, etc..
19.

Contractor shall install object markers on all trees and utility poles are within the State Highway right-of-way. (See Std. Plan TE-17)

LEGEND

- Existing Power Pole
- Existing 4" Water Line
- Existing 8" Water Line
- Existing 12" Water Line
- Existing Water Valve Box
- Existing 6" Sewer Line
- Existing Sewer Manhole
- Existing Telephone Pole
- Existing Single Metal Guardrail
- New Single Metal Guardrail
- Existing Monument
-
- Existing 36" RCP Drain Line
- Existing 24" Drain Line
- Existing 42" Drain Line
- Existing 48" Drain Line
- Existing 54" Drain Line
- Existing Tree
- Existing Grated Drop Inlet
- New Grated Drop Inlet
- Existing Catch Basin
- Existing Traffic Sign With 1 Post
- Existing Traffic Sign With 2 Posts
- Reflector Marker
- Inertia Barrel

ORIGINAL PLAN	SURVEY PLOTTED BY	DATE
NOTED BY	DATE	
QUANTITIES BY	DATE	
CHECKED BY	DATE	

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

GENERAL NOTES AND LEGEND

HONOAPIILANI HIGHWAY GUARDRAIL
AND SHOULDER IMPROVEMENTS

High Street to Puamana

Fed. Aid Project No. STP-0900(53)

Date: Aug., 1999

SHEET No. 1 OF 1 SHEETS