

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	STP-036-1(7)	1996	3	32

GENERAL NOTES

- ORIGINAL
PLAN

SURVEY PLOTTED BY
DRAWN BY
DESIGNED BY
CHECKED BY

DATE
11/2/95

NOTED BY
10/16/95
10/16/95
- The scope of work for this project consists of installing paved shoulders; installing metal guardrails, culverts, grated drop inlets, headwalls, bituminous curb, pavement markings and signs; adjusting manhole frames & covers; reconstructing Maliko Bridge rails.
 - 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.
 - All lanes shall be open to traffic during the morning peak hours from 6:00 a.m. to 8:00 a.m. during afternoon peak hours from 4:00 p.m. to 6:00 p.m. and off work hours. Only one lane of highway shall be closed at any other time.
 - 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 and signs that will be removed and replaced shall be delivered to the Maui District Baseyard. Payment for removal, storage and delivery shall be considered incidental to various guardrail pay items.
- Whenever "MELT" is noted on these plans, it means "Modified Eccentric Loader Breakaway Cable Terminal". See Plan Sht. Nos. 6-8 for details.
- Payment for relocation of mail boxes, structures and obstructions, etc. will not be paid for separately but shall be considered incidental to various items of work.
- The exact location and limits of guardrail installation and mailbox relocation shall be determined in the field by the Engineer.

LEGEND

- Existing Power Pole

Existing 3" Water Line

Existing 6" Water Line

Existing 8" Water Line

Existing Water Manhole

Adjusted Water MH Frame/Cover

Existing Water Air Valve

Existing Water Valve Box

Existing Gate Valve Box

Adjusted Water Valve Box

Existing Water Meter

Existing Sewer Line

New 12" Sewer Line

Existing Sewer Manhole

Adjusted Storm Drain MH Frame/Cover

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)

Reinforced Concrete Pipe

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

GENERAL NOTES AND LEGEND

HANA HIGHWAY

GUARDRAIL & SHOULDER IMPROVEMENTS

Hookipa Park to Vicinity of Valley Isle Memorial Park

Fed. Aid Project No. STP-036-1(7)

Date: July, 1995

SHEET No. 1 OF 1 SHEETS