

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	STP-065-1(5)	1997	3	9

GENERAL NOTES

- The scope of work for this project consists of constructing a lined drainage ditch, catch basins, storm drain manholes and grated drop inlets; removing and installing guardrails; plugging existing outlet pipes and drainage outlets; and restoring pavement.
- 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 the following Sections of the Special Provisions : Subsection 107.13 - Public Convenience and Safety; Subsection 107.21 - Contractor's Responsibility For Utility Property And Services; and Section 645 -Traffic Control.
- 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 or areas to be filled with leveling course, reconstructed and cold planed shall be determined in the field by the Engineer.
- The Contractor shall notify in writing, the Oahu Transit Services, Inc. Roads Supervision Office, 811 Middle St., Hon., HI 96819 (ph. *848-4571) seven (7) days prior to any paving operations.
- The Contractor shall notify the Engineer in writing, two (2) weeks prior to starting paving operations.
- Smooth riding connections shall be constructed at all limits of pavement restoration and side streets as shown on the plans and/or as directed 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.
- The Contractor shall provide for access to and from all existing side streets at all times.
- All saw cutting work shall be considered incidental to the various contract items.
- Both ends of the pipe to be abandoned shall be plugged. This work shall be done according to Section 202, of the Hawaii Standard Specifications.
- The Contractor shall obtain and follow the manufacturer's specifications when installing the Quad-Guard Terminal End.

HECO NOTES

- The location of HECO's overhead and underground facilities shown on the plans are from existing records with varying degrees of accuracy and are not guaranteed as shown. The Contractor shall exercise extreme caution whenever construction crosses or is in close proximity of underground lines and shall maintain adequate clearance when operating equipment within or under any overhead lines.
- The Contractor shall comply with the State of Hawaii's Occupational Safety and Health Law (DOSH).
- The Contractor shall obtain an excavation permit from HECO's Mapping and Records Division located at 820 Ward Avenue, 4th floor, two (2) weeks prior to starting construction. Please refer to our request number at that time.
- For verification of underground lines or for assistance in supporting and protecting these lines, the Contractor shall call HECO's Underground Division at 543-7345 a minimum of 72 hours in advance. The cost for HECO's assistance will be at the Contractor's cost.
- When trench excavation is adjacent to or beneath our existing structures or facilities, the Contractor is responsible for:
 - Sheeting and bracing the excavation to prevent slides, cave-ins and settlements.
 - Protecting existing structures or facilities with beams, struts or under-pinnings.
- For pole bracing instructions, the Contractor shall call the HECO District Superintendent at (Koolau 261-6084, Waiiau 543-4223, Ward 543-7745) a minimum of 72 hours in advance.
- Any work required to relocate HECO facilities shall be done by HECO and the Contractor shall be responsible for all coordination, and for possible costs if applicable.
- Should it become necessary to temporarily relocate any of HECO facilities to enable the Contractor to perform his work in a safe and expeditious manner in fulfilling his contract obligations, these temporary relocations will be done by HECO, or by the Contractor under HECO's supervision, with all costs borne by the Contractor.
- Any unforeseen conflict that would result in the redesign or relocation (either temporary or permanent) of HECO's electrical facilities may be cause for lengthy delays. To avoid such delays, the Contractor must notify HECO of the conflict a minimum of 30 days prior to the start of construction.
- Any damage to HECO's facilities will be reported immediately to HECO's Trouble Dispatcher at 543-7874.
- All HECO overhead and underground facilities shall be protected at all times by the Contractor during construction. Costs for damages to HECO facilities shall be borne by the Contractor. This repair work shall be done by HECO, or by the Contractor under HECO's supervision.
- The Contractor shall indemnify, defend and hold harmless HECO from and against all losses, damages, claims and actions, including but limited to reasonable attorney's fees and costs based upon or arising out of damage to property or injuries to persons, or other tortious acts caused or contributed to by Contractor or anyone acting under its direction or control or on its behalf; provided Contractor's indemnity shall not be applicable to any liability based upon the sole negligence of HECO.

LEGEND

- e— Existing Underground Electrical Line
- ⊙_{mon.} Existing Monument
- d--24--- Existing 24" Drain Line
- 24" RCP New 24 " RCP Drain Line
- ⊙_{dmh} Existing Storm Drain Manhole
- SDMH Adjusted Storm Drain MH Frame/Cover
- SDMH New Storm Drain Manhole
- ⊞_{gdi} Existing Grated Drop Inlet
- ⊞_{cb} Existing Catch Basin
- ⊞ Existing Traffic Sign
- ⊞ Existing Traffic Sign
- ⊞ Existing Highway Lighting Standard
- - - Existing Guardrail
- - - New Guardrail

DATE	11/2/97
SURVEY PLOTTED BY	
DRAWN BY	A. Nomura
DESIGNED BY	B. Sakamoto
CHECKED BY	
ORIGINAL PLAN	
NOTE BOOK	
PH/2/lennox/4ms	
After Higdon	

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

GENERAL NOTES AND LEGEND

MOKAPU SADDLE RD. DRAINAGE IMP.

Kaneohe Bay Drive to
Vicinity of BWS Access Road
Fed. Aid Project No. STP-065-1(5)

Date: Oct. 1996