

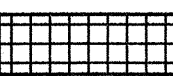

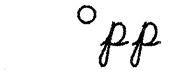
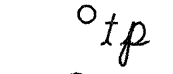





FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	FLH-011-2(27)	1997	3	46

GENERAL NOTES:

- The scope of work for this project consists of resurfacing and reconstructing the existing pavement; widening the existing travel way and shoulders; installing guardrails, signs, centerline survey monuments and pavement markings.
- The Contractor's attention is directed to Subsection 107.13 - Public Convenience and Safety; Section 645 - Traffic Control and Subsection 107.14 - Barricades and Warning Signs of the Standard Specifications and/or Special Provisions.
- 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. Stockpiling of materials within the right-of-way is not permitted.
- The existence and location of 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.
- The Contractor shall coordinate his operations with Hawaii Volcanoes National Park by contacting Mr. Dennis Footer, Maintenance Section at phone no. 967-7311.
- The Contractor shall remove and dispose of all existing raised pavement markers prior to the overlaying of Asphalt Concrete Pavement, Mix No. IV. This work will not be paid for separately but shall be considered incidental to Asphalt Concrete Pavement, Mix No. IV.
- The Contractor shall coordinate work with the U.S. Geological Survey if any benchmarks are to be relocated.
- Existing pavement sections are variable. Typical sections are not intended to represent any specific location.
- Tack coat shall be incidental to Item No. 401.0500, Asphalt Concrete Pavement Mix No. IV.
- Location of construction warning signs to be determined by the Engineer. Upon completion of this project, the Contractor shall remove and deliver signs to the State Highways, Hilo baseyard.
- All saw cutting work and removal of existing asphalt concrete pavement shall be considered incidental to roadway excavation.
- Contractor is responsible to provide mitigating measures for pavement dropoffs within the traveled way and shoulders of the highway and for open excavations adjacent to roadways. Contractor shall submit mitigating plan to the Engineer prior to construction. Contractor's attention is directed to Subsection 104.04 - Maintenance of Traffic.
- 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 the Engineer in writing, two (2) weeks prior to starting paving operations.
- All holes, depressions and wheel ruts shall be filled and compacted with Asphalt Concrete Pavement, Mix No. IV prior to resurfacing. This work will be paid for under Asphalt Concrete Pavement, Mix No. IV.
- Smooth riding connections shall be constructed at all limits of resurfacing, including the beginning and end of project, connecting approaches, side streets and driveways as shown on the plans and/or as directed by the Engineer.
- Dressing of shoulders and turnout 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.
- 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.
- The Contractor shall provide for access to and from all existing side streets at all times.
- The Contractor shall have the existing Hawaii Electric Co. 2-4" conduit 12.47 K.V. line, located at STA. 1649+10±, toned prior to roadway excavation and construction in that vicinity. The Contractor shall excavate in these areas by acceptable methods other than backhoeing, such as hand digging to prevent damages to the existing K.V. line. The Contractor shall notify the Hawaii Electric Co. at 969-0352 and the U.S.G.S Volcanoes Observatory at 967-8259 one (1) week prior to roadway operations in that area.
- 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. This work shall be considered incidental to various contract items and shall not be paid for separately.

LEGEND

-  Cold Planing Areas
-  Resurfacing Limits
-  Existing Power Pole
-  Existing Telephone Pole
-  Existing Monument
-  Adjusted Monument
-  Existing Traffic Sign
-  New Guardrail, Type 3 - Single with Steel Post
-  ET 2000 Guardrail End Treatment

ORIGINAL PLAN	SURVEY PLOTTED BY	DATE
NOTE BOOK	DRAWN BY	12-28-97
002.george	DESIGNED BY	
003.mcmgill	CHECKED BY	

STATE OF HAWAII  
DEPARTMENT OF TRANSPORTATION  
HIGHWAYS DIVISION

**GENERAL NOTES AND LEGEND**  
MAMALAHOA HIGHWAY WIDENING  
Hawaii Volcanoes National Park  
M.P. 30.53 to M.P. 33.30  
Fed. Aid Project No. FLH-011-2(27)  
Date: Mar., 1997

SHEET No. 1 OF 1 SHEETS