

ORIGINAL PLAN	SURVEY PLOTTED BY	DATE
	DRAWN BY	
	DESIGNED BY	
	CHECKED BY	
NOTE BOOK	FUTA & ASSOCIATES, INC.	
NO.	APR 2000	

GENERAL NOTES

- The scope of work for this project includes reconstructing weakened pavement areas; roadway widening; cold planing; resurfacing; installing centerline and reference survey monuments; removing existing guardrails; installing new guardrails; installing concrete curbs and gutters; removing and installing pavement markers and traffic signs; pavement striping; improving drainage systems; and dressing of shoulders.
- 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, cold planed and widened shall be determined in the field by the Engineer.
- All lanes shall be open to traffic during off work hours. Only one lane of highway shall be closed during normal work hours. Failure of the Contractor to open all lanes of traffic during the times specified above shall result in assessment of liquidated damages as specified in Section 108.08 of the Special Provisions.
- The Contractor shall notify the Engineer in writing, two (2) weeks prior to starting paving operations.
- The Contractor shall remove and dispose of all existing raised pavement markers prior to the overlaying of Asphalt Concrete. This work shall be considered incidental to Asphalt Concrete Pavement, Mix No. IV and will not be paid for separately.
- All holes, depressions, irregular surfaces and wheel ruts shall be filled, leveled and compacted with Asphalt Concrete Pavement, Mix No.V prior to resurfacing. This work will be paid for under Asphalt Concrete Pavement, Mix No. V.
- 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. Exact locations shall be determined in the field by the Engineer.
- Trimming and dressing of shoulders, 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. Suitable materials shall include materials from roadway excavation, including topsoil and cold-planed asphalt concrete therefrom, and if necessary,

additional materials from borrow outside the limits of the right of way. This work shall be considered incidental to the various contract items.

- Earth swale shall be shaped and 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 and driveways at all times.
- 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.
- All saw cutting work shall be considered incidental to Asphalt Concrete,Mix No. IV and will not be paid for separately.
- Install new Type II Object Marker on all utility poles or trees that are within the State Highway Right-of-Way and within 30 feet of the roadway edge of pavement as directed by the Engineer. Refer to Standard Plan TE-17.
- Prior to his resurfacing operations, the Contractor shall be responsible for locating, preserving and marking all utility & highway facilities that will require adjustments to the new finished pavement grade.
- After completion of resurfacing, the Contractor and the Engineer will test for, and determine ponding areas (i.e. low spots within the resurfaced area). It shall be the responsibility of the Contractor to correct and resurface and/or repair all such ponding areas.
- No section where guardrails have been removed shall be left unshielded at the end of each work day. Open sections shall be shielded by portable physical barriers. Furnishing, placing and maintaining physical barriers shall be considered incidental to the various contract items. See Plan Sheet No. 11 for details. No section where fences have been removed shall be left unfenced. Open sections shall be closed off and fenced by a relocated fence, temporarily, until the affected construction work is completed. Final location of the fence shall be determined by the Engineer. Removing, relocating, and maintaining such fencing, shall be considered incidental to the various contract items.
- All new metal guardrails shall be single with strong posts unless noted otherwise.
- Removal of W-beam end sections (flared), shall be considered incidental to Item No. 202.4000 – REMOVAL OF GUARDRAIL AND CONCRETE POSTS.
- The Contractor shall secure the services of a Hawaii licensed surveyor to establish control points at the beginning and end of the project, points of intersection, intermediate points at intervals of 1000 linear feet, and all construction stakeout required to complete the job. In addition, Contractor’s surveyor shall furnish bench marks and stake out monuments, property lines and right-of-way lines. Payment for surveyor’s services shall not be paid for separately but shall be considered incidental to Item No. 613.0200 – CENTERLINE AND REFERENCE SURVEY MONUMENT.

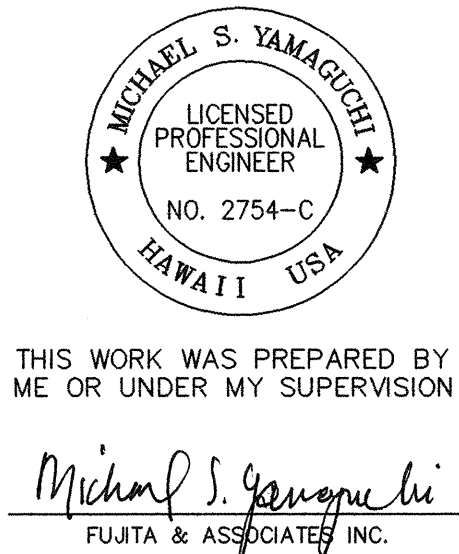
FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	580A-01-99M	2000	3	27

NOTE: All centerline and reference survey monuments shall be installed along the roadway baseline, as shown on the plans.

- Prior to beginning construction activities, the Contractor shall coordinate with the Department of Water, County of Kauai, Operations Division (DOW) (Tel.# 245-5400) to determine and mark the exact location of all DOW water lines and appurtenances in the field.
- All cold plane and surplus selected materials, and concrete guard-rail posts that are removed shall remain the property of the State. The Contractor shall transport to and stockpile these materials at the State Baseyard, located at Kahau Street in Kapaa. The Contractor shall coordinate with the Maintenance Engineer (Tel. #821-4440) to determine the exact locations for stockpiling the surplus and cold plane materials. Cold plane materials shall be stockpiled separately from other materials. Transporting and stockpiling cold plane material shall be considered incidental to Item No. 652.1000 – COLD PLANING. Transporting and stockpiling surplus selected material shall be considered incidental to Item No. 651.0100 – EXCAVATION FOR RECONSTRUCTION OF WEAKENED PAVEMENT AREAS. Transporting and stockpiling concrete guardrail posts shall be considered incidental to Item No. 202.4000 – REMOVAL OF GUARDRAIL AND CONCRETE POSTS.
- Elevation Datum = Mean Sea Level

LEGEND:

- |  |                                   |
|--|-----------------------------------|
|  | Reconstruction and Widening Areas |
|  | New A.C. under Guardrail Areas    |
|  | Cold Planing Areas                |
|  | Resurfacing Limits                |
|  | Existing 2” Water Line            |
|  | Existing Water Valve Box          |
|  | Existing Water Air Valve          |
|  | Existing Power Pole               |
|  | Existing Fire Hydrant             |
|  | New Monument                      |
|  | Existing 24” Drain Line           |
|  | Existing Traffic Sign             |
|  | New Traffic Sign                  |
|  | Existing Single Metal Guardrail   |
|  | New Single Metal Guardrail        |
|  | Existing Headwall                 |
|  | Existing Fence                    |
|  | Relocated Fence (Temporary)       |



STATE OF HAWAII  
DEPARTMENT OF TRANSPORTATION  
HIGHWAYS DIVISION

GENERAL NOTES & LEGEND

KUAMOO ROAD RESURFACING

Vicinity of U.H. Agricultural Station to  
End of Kuamoo Road

Project No. 580A-01-99M

Scale: No Scale      Date: April, 2000