

GENERAL NOTES

1. The scope of work for this project includes reconstructing weakened pavement areas; cold planing existing pavement; resurfacing; adjusting water valve boxes and drain inlets; dressing shoulders; removing and adjusting existing metal guardrails; installing new metal guardrails; and installing traffic signs and pavement markings.
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 : Subsection 107.13 - Public Convenience and Safety; Subsection 107.21 - Contractor's Responsibility For Utility Property And Services; and Section 645 -Traffic Control.
4. At the end of each day's work, the Contractor shall remove all equipment and other obstructions within the State right-of-way to permit free and safe passage of public traffic.
5. 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.
6. The exact locations and limits or areas to be filled with leveling course, excavated, reconstructed and cold planed shall be determined in the field by the Engineer.
7. All lanes shall be open to traffic during peak hours from 6:30 A.M. to 8:30 A.M., during afternoon peak hours from 3:30 P.M. to 6:00 P.M. and during off work hours. Only one lane of highway shall be closed at any other time. 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.
8. The Contractor shall notify the Engineer in writing, two (2) weeks prior to starting paving operations.
9. The Contractor shall remove and dispose of all existing raised pavement markers and traffic tapes 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.
10. All holes, depressions and wheel ruts shall be filled 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.
11. 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.
12. Dressing of shoulder, sidewalk and bus 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.
13. 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 the various contract items.

14. Existing earth swale shall remain free to drain. Work to remove silt and debris from the existing earth swale shall be considered incidental to the various contract items.
15. The contractor shall provide for access to and from all existing side streets at all times.
16. All saw cutting work shall be considered incidental to Asphalt Concrete Pavement, Mix No. IV and will not be paid for separately.
17. 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 Plans TE-17.
18. 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. Additionally, the Contractor shall submit to the Engineer a list of all items, including water, drainage, sewer, electrical, telephone and cable utilities to be adjusted to the new finished grade.
19. Prior to commencing his resurfacing operations, the Contractor shall contact the County of Kauai's Department of Water Maintenance Branch (Phone No. 245-5544) and make arrangements for Department of Water personnel to "tone" for, and mark locations of existing valve boxes that may have been inadvertently paved over on previous resurfacing projects. Approximate locations of paved over valve boxes that are to be raised to the new finished grade are noted on the plans.
20. Removal and disposal of existing guardrails and terminal ends and sections shall be considered incidental to the various contract items.
21. 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.
22. MAXIMUM ALLOWABLE GROSS LOAD ON EXISTING BRIDGES are as follows:

Hanalei Bridge	=	15 Tons
Waioli Bridge	=	10 Tons
Waipa Bridge	=	8 Tons
Wikoko Bridge	=	8 Tons
Wainiha Bridge No. 1	=	8 Tons
Wainiha Bridge No. 2	=	8 Tons
Wainiha Bridge No. 3	=	8 Tons

LEGEND

	Cold Planing Areas		Existing Sewer Line
	Reconstruction Areas		New 12" Sewer Line
	Resurfacing Limits		Existing Sewer Manhole
	Existing Electrical Line		Adjusted Sewer MH Frame/Cover
	Existing Joint Pole		New Sewer Manhole
	Existing Power Pole		Existing 6" Gas Line
	Existing Electric Manhole		New 6" Gas Line
	Adjusted Elec. MH Frame/Cover		Existing Gas Valve Box
	Existing Telephone Line		Adjusted Gas Valve Box
	New Telephone Line		New Gas Valve Box
	Existing Telephone Pole		Existing Gas Manhole
	Existing Telephone Manhole		Adjusted Gas MH Frame/Cover
	Adjusted Tele. MH Frame/Cover		New Gas Manhole
	Existing TV Cable		Existing Monument
	Existing 12" Water Line		Adjusted Monument
	Existing Water Manhole		New Monument
	Adjusted Water MH Frame/Cover		Existing 24" Drain Line
	Existing Water Air Valve		Existing Storm Drain Manhole
	Adjusted Water Air Valve		Adjusted Storm Drain MH Frame/Cover
	Existing Water Valve Box		Existing Grated Drop Inlet
	Adjusted Water Valve Box		Existing Catch Basin
	Water Valve Box Below Exist. A.C. Pavement (to be Adjusted)		Existing Traffic Sign
	Existing Water Meter		Existing Highway Lighting Standard
	Adjusted Water Meter		
	Existing Fire Hydrant		
	Existing Metal Guardrail		
	New Metal Guardrail		
	Adjusted Metal Guardrail		

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

GENERAL NOTES AND LEGEND

KUHIO HIGHWAY RESURFACING
Vicinity of Lumahai Bridge to Alealea Road
Project No. 560A-01-00M

Date: December, 1999

SHEET No. 1 OF 1 SHEETS

ORIGINAL PLAN	SURVEY PLOTTED BY	DATE
NOTE BOOK	DRAWN BY	2-08-99
DESIGNED BY		
CHECKED BY		
DATE		