

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	51B-01-00M	2000	3	23

GENERAL NOTES

1. The scope of work for this project consists of removing and disposing of existing and installing new metal guardrails, traffic signs, pavement markings and striping; installing joint sealing system at expansion joints and intermediate rails on existing bridge railing (bike rail); and reconstructing pavement section at bridge approaches.

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 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, 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 and/or reconstruction operations.

9. Removal and disposal of all existing guardrails (including bridge connections and concrete anchor blocks), traffic signs, pavement markings and striping shall not be paid for separately, but shall be considered incidental to the various contract items.

10. 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.

11. The contractor shall provide for access to and from all existing side streets and driveways at all times.

12. All saw cutting work shall not be paid for separately, but shall be considered incidental to Asphalt Concrete Pavement, Mix No. IV.

13. 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 Std. Plan Sht. No. TE-17.

14. 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 Sht. #6 for details.

15. All new metal guardrails shall be Type 3, single with strong posts, unless noted otherwise.

16. Guardrail posts shall not be installed on centerline of concrete swale/gutter. Use additional spacer blocks as necessary to avoid installation of steel posts on centerline of swale/gutter. Additional spacer blocks shall not be paid for separately, but shall be considered incidental to the various contract items under Section 606 - Guardrail.

17. Existing reflector markers on bridge rail posts shall be removed and disposed of prior to installing intermediate bridge rail. Removal and disposal of existing reflector markers shall be considered incidental to Contract Item No. 507.3600 - Intermediate Aluminum Bridge Railing.

LEGEND

	Reconstruction Areas		Existing Fire Hydrant
	Existing Joint Pole		New Fire Hydrant
	Existing Power Pole		Existing Sewer Manhole
	Existing Electric Manhole		Adjusted Sewer MH Frame/Cover
	Adjusted Elec. MH Frame/Cover		New Sewer Manhole
	New Electric Manhole		Existing Gas Valve Box
	Existing Telephone Pole		Adjusted Gas Valve Box
	Existing Telephone Manhole		New Gas Valve Box
	Adjusted Tel. MH Frame/Cover		Existing Gas Manhole
	New Telephone Manhole		Adjusted Gas MH Frame/Cover
	Existing Water Manhole		New Gas Manhole
	Adjusted Water MH Frame/Cover		Existing Monument
	New Water Manhole		Adjusted Monument
	Existing Water Air Valve		New Monument
	Adjusted Water Air Valve		Existing Storm Drain Manhole
	New Water Air Valve		Adjusted Storm Drain MH Frame/Cover
	Existing Water Valve Box		New Storm Drain Manhole
	Adjusted Water Valve Box		Existing Grated Drop Inlet
	New Water Valve Box		Existing Catch Basin
	Existing Water Meter		Existing Traffic Sign
	Adjusted Water Meter		Existing Highway Lighting Standard
	New Water Meter		New Guardrail

ORIGINAL PLAN	SURVEY PLOTTED BY	DATE
NOTED BY	DRAWN BY	12-15-99
DESIGNED BY	CHECKED BY	
QUANTITIES BY		
BY		

STATE OF HAWAII  
DEPARTMENT OF TRANSPORTATION  
HIGHWAYS DIVISION

GENERAL NOTES AND LEGEND

KAPULE HIGHWAY,  
MISCELLANEOUS IMPROVEMENTS  
Vicinity of Ahukini Road to Kuhio Highway  
Project No. 51B-01-00M

Date: December, 1999

SHEET No. 1 OF 1 SHEETS