## GENERAL NOTES

- 1. This project consists of cleaning and prime coat painting the Umauma Bridge's structural steel members. Cleaning of the structural steel members shall include: removal and disposal of lead-containing/lead-based paint; baseline environmental testing for lead; worker and environmental protection; debris disposal.
- 2. All exposed super and substructure steel members are to have the lead containing paint removed, cleaned and repainted in accordance with these plans and specifications.
- 3. Removal of existing paint shall be done with recyclable steel abrasive, high pressure blasting. (Greater than 100 p.s.i.)
- 4. Appropriate hand tooling methods shall be utilized in areas not adequately prepared by blasting.
- 5. Level of steel member surface preparation, prior to painting shall be consistent with SSPC-VS10 standards.
- 6. Bridge paint lead content analysis report, prepared for the State and dated 2/13/96, indicates that paint samples taken from these bridges had lead contents of: Umauma Bridge: 150,000 mg/kg, or 15%
- 7. Contractor shall utilize all appropriate methods, procedures and precautions necessary when performing lead paint removal and when working with lead paint and lead paint debris. Refer to specifications for more information.
- 8. The Contractor shall dispose of the lead paint, spent abrasives and removal debris in an approved manner, meeting all applicable Federal, State and local regulations.
- 9. When performing work within the State ROW, nearby, adjacent to, or on the travel way, the Contractor shall refer to Section 645 "Traffic Control" of these specifications.
- 10. The bridge plans in these plans are for illustration only and show the most general of information. Partial construction plans for the Umauma Bridge are available for viewing at:

State of Hawai'i Department of Transportation Highways Division 50 Maka'ala Street 96720 Hilo, Hawai'i

during normal working hours.

- 11. The Contractor is reminded of the requirements of Subsection 108.01 -Subletting of Contract, which requires him to perform work amounting to but 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.
- 12. The Contractors 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.

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAI'I	HAW.	19H-02-97M	1997	3	- 5

- 13. 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.
- 14. The Contractor's attention is directed to Special Provisions Section 695 -"Clean and Paint Structural Bridge Steel" and Section 696 - "Removal and Disposal of Lead-Base Paint", for a partial list of environmental, legal, and administrative requirements.
- 15. The Contractor is hereby directed to the General Provisions of this Contract. The Contractor shall visit and confirm all site conditions and structural features of the work prior to submittal of bid. Any claims for additional payment, based upon undiscovered work difficulties that should have been detected by a person with experience in this type of construction project during the prebid process, shall be denied by the Engineer.
- 16. Contractor shall obtain necessary permits and comply with State Law regarding noise.

STATE OF HAWAI'I **DEPARTMENT OF TRANSPORTATION** 

## GENERAL NOTES

HAWAII BELT ROAD CLEAN AND PRIME STEEL MEMBERS UMAUMA BRIDGE PROJECT NO. 19H-02-97M

SHEETS

SHEET No. 1 OF

. . . . . SURVET PLOTTED
DRAWN BY X
TRACED BY
DESIGNED BY X
QUANTITIES BY
CHECKED BY ORIGINAL
PLAN
NOTE BOOK
phbragn
NA. dgn

> Scale: None Date: May, 1997