

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	NH-019-2(51)	2001	3	6

GENERAL NOTES

1. This project consists of cleaning and painting the Kapue and Kolekole Bridge's structural steel members. Cleaning of the structural steel members shall include: removal and disposal of lead-based paint; baseline environmental monitoring and testing for lead; worker and environmental protection; debris disposal, and traffic control.
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-VSI0 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:

Kapue Bridge	35,000 mg/kg, or 3.5%
Kolekole Bridge	140,000 mg/kg, or 14%
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 specification section 695 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 Bridges are available for viewing at:

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

during normal working hours. Normal working hours are M-F, 7:45am to 4:30pm.

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.

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 - "Removal and Disposal of Lead-Based Paint" and Section 696 - "Clean and Paint Structural Bridge Steel", for a partial list of environmental, legal, and administrative requirements.
15. Prior to bidding, the Contractor shall be required to inspect the bridge sites to verify existing bridge geometry, condition of paint, access conditions, and other pertinent data necessary to submit a valid and responsible 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 pre-bid site visit, shall be denied by the Engineer.
16. Contractor shall obtain necessary permits and comply with State Law regarding, but not limited to, noise.
17. As required by the specifications, equipment loads on the bridge deck, and other loads applied to bridge members shall not be allowed until a structural evaluation, certified by a structural engineer, is submitted to the State showing that the loading proposed by the Contractor will not adversely affect the bridge. Cost for structural evaluation shall be incidental to Mobilization. The following load restrictions shall apply:
 - (a) Contractor loads are not permitted on the concrete sidewalks and railings.
 - (b) Contractor loads are not permitted on the existing wood scaffold planks. Prior to commencement of lead-based paint removal, Contractor shall remove existing planks and deliver them to the State Highways Hilo Baseyard at 50 Makaala Street, Hilo. Upon completion of work, the Contractor shall pick up and re-install all planks to their proper locations. The Contractor shall be responsible for any damages caused during the removal, transportation, re-installation, and handling of the planks. Removal, transportation, re-installation, and handling of the planks shall not be paid for separately, but shall be considered incidental to Clean and Paint Bridge Steel Members pay item(s), specified under Section 696 - Clean and Paint Structural Bridge Steel and provided in the proposal schedule.
 - (c) Each bridge deck roadway lane can support a single AASHTO HS20-44 truck load.
 - (d) Contractor loads are permitted only on bridge deck longitudinal stringers and transverse floor beams indicated on the bridge drawings that follow. Such loads shall not cause a bending moment greater than 270 foot-kips in the member.
 - (e) Contractor loads are permitted only on bent joints and truss joints indicated on the bridge drawings that follow.
 - (f) Contractor loads are permitted only on the members or joints specifically stated above.
 - (g) Cost for structural evaluation shall be incidental to the other contract items and not paid for separately.
18. Access to Kolekole Park shall be maintained at all times. Access from Kolekole Park to the ocean may need to be cordoned off (or access restricted by signs) during working hours, as part of the boundary controls. If ocean access is cordoned off (or access restricted by signs) during working hours, access must be restored during non-working hours, especially weekends.
19. Other than installation and maintenance of restricted access signs or other boundary controls within the Highway Right-of-Way under Kolekole Bridge, no work shall be allowed in Kolekole park by the contractor. No contractor vehicles will be allowed to park in the Kolekole Park parking lot, and contractor vehicles will not be allowed to traverse non-paved Kolekole park grounds (even for installation or maintenance of restricted access signs of other boundary controls).
20. The contractor shall be required to complete all work on Kolekole Bridge before starting work on Kapue Bridge.

ORIGINAL PLAN	SURVEY PLOTTED BY	DATE
	DRAWN BY	
	DESIGNED BY	
	CHECKED BY	
NOTE BOOK	phd/egp	
	N. dgn	

STATE OF HAWAII DEPARTMENT OF TRANSPORTATION HIGHWAYS DIVISION	
GENERAL NOTES	
HAWAII BELT ROAD	
CLEAN AND PAINT STEEL MEMBERS	
KAPUE AND KOLEKOLE BRIDGES	
F.A. PROJECT NO. NH-019-2(51)	
Scale: None	Date: Sept. 2000
SHEET No. 1 OF 1 SHEETS	