

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	1M-HI-K(228)	1999	3	82

GENERAL NOTES

1. The scope of work for this project consists of removing existing guardrail and bridge endpost and installing new guardrail and bridge endpost, removing existing crash cushion and installing new crash cushion, constructing shoulder, and installing pavement markings.
2. The Contractor's attention is directed to Subsection 107.13 - "Public Convenience and Safety" and Subsection 107.14 - "Barricades and Warning Signs" of the Special Provisions and/or the Standard Specifications pertaining to lane closure hours, submitting a traffic control plan and other requirements necessary for providing safe movement of public traffic through the project areas.
3. All guardrail layouts shall be done by the Contractor but shall be approved by the Engineer before construction.
4. The existence and location of underground utilities and structures as shown on the plans are from the latest available data but is not guaranteed as to the accuracy or the encountering of other obstacles during the course of the work. The Contractor shall be responsible and shall pay for damages to existing utilities.
5. Furnishing and installing of construction signs shall be considered incidental to the various contract items.
6. Removal and disposal of the existing guardrail, bridge railing, concrete, reinforcement bars, and bridge endpost shall be considered incidental to the various guardrail items.
7. No section of incomplete guardrail, footing and/or excavation shall be left unshielded at the end of each work day.
8. Existing drainage system will be functional at all times during construction. The Contractor is to furnish materials, equipment, and incidentals necessary to maintain flow. This work shall be considered incidental to various contract items.
9. At the end of each day's work, the Contractor shall remove all equipment and other obstruction to permit free and safe passage of public traffic.
10. Where full embedment of guardrail post cannot be achieved, the Contractor shall nest the beam(s) in accordance with the latest State DOT, Traffic Design alternate design guidelines. This work shall be considered incidental to various guardrail items.
11. Existing signs not shown on these plans shall remain as posted unless otherwise directed by the Engineer. Removal and disposal of existing signs and/or posts as designated on these plans shall be incidental to the various signing items.
12. The Contractor shall construct all new features at Structure 414 and 451 without disrupting operation of the Interstate H-1 Contraflow (Zipper Lane).
13. All existing Freeway facilities such as drainage ditches (Concrete Lined or Unlined), CRM walls, etc. removed due to construction shall be restored unless otherwise noted. Restoration due to construction shall be considered incidental to various guardrail or end post items. All Freeway facilities damaged/removed due to the Contractor's action shall be restored at no cost to the State.

GENERAL NOTES (Continued)

14. The Contractor shall provide, install and remove shoring for all existing utilities, highway lighting and drainage systems affected during construction of each Endpost footings. The Contractor shall ensure that shoring will satisfy all OSHA requirements. This work shall be considered incidental to various Endpost Contract Items.
15. Dressing of shoulders shall consist of clearing, grubbing, backfilling, grading, reshaping and compacting the unpaved shoulders with suitable material to provide vegetation growth and some form of erosion resistance or as directed by the Engineer. This work shall be considered incidental to various contract items.
16. All saw cutting work shall be considered incidental to various contract items.
17. The furnishing and installation of Type G flare shall be considered incidental to various guardrail items.

WATER NOTES FOR GUARDRAIL INSTALLATION

1. Any adjustments to the existing water system required during construction to meet requirements of the Board of Water Supply Standards, whether shown on the plans or not, shall be done by the Contractor at no cost to the Board.
2. The Contractor shall have existing water mains toned before construction of work in vicinity of water mains, call the investigation section at 527-5296 for toning services. Guardrail post locations are to be kept to a minimum clear distance of 18 inches to any 2-1/2 inch water lines and meter boxes. No post driving will be allowed when post is to be installed closer than 3 feet from water main. Excavated areas shall be restored to their original conditions.
3. The Contractor shall verify all existing service lateral locations whether shown or not shown on the plans prior to commencing with any of the work and shall not assume that where no services are shown none exists.
4. Re-approval shall be required if this project is not under construction within a period of two years.
5. Prior to any excavating, the Contractor shall verify in the field the location of existing water mains and appurtenances.

ORIGINAL PLAN	SURVEY PLANNED BY	DATE
NOTES BOOK	DRAWN BY	3/20/98
DESIGNED BY	TRACED BY	
QUANTITIES BY	DESIGNED BY	
CHECKED BY	DESIGNED BY	

STATE OF HAWAII DEPARTMENT OF TRANSPORTATION HIGHWAYS DIVISION
GENERAL NOTES
INTERSTATE ROUTE H-1
Guardrail & Shoulder Improvements
Palehua Separation to Waialeale Bridge
Federal Aid Project No. 1M-HI-K(228)
Date: Oct., 1998
SHEET No. 1 OF 1 SHEETS