

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	STP-050-1(22)	2001	3	24

GENERAL NOTES

1. The scope of work for this project consists of removing and installing metal guardrails and posts; constructing paved areas under new guardrail; constructing end treatments; and installing markers and signs.
- 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.
- 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.
- 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 the work is possible. The Contractor shall tone for the exact locations and depths of all underground facilities, either shown on or omitted from the plans, in areas where work, such as the placement of guardrail posts, sign posts, etc. may affect these properties. Toning shall be considered incidental to the various contract items and will not be paid for separately. The Contractor shall be held liable for any damages incurred to the existing facilities and/or improvements as a result of his operations.
- The Contractor shall notify the State in writing, two (2) weeks prior to starting paving operations.
- Existing drainage systems shall remain 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.
- The Contractor shall provide for access to and from all existing side streets and driveways at all times.
- All new guardrail shall be Strong Post w/ W-Beam unless noted otherwise.
9. Connection to existing guardrail shall be considered incidental to Item
10. No. 606.3130 - GUARDRAIL, STRONG POST w/ W-BEAM
- Removal of Guardrail only where Posts & Hardware will remain shall be paid under Item No. 202.0430 - REMOVAL OF GUARDRAIL AND STEEL POSTS
- Installing new guardrail on existing posts shall be paid under Item No. 606.3130 - GUARDRAIL, STRONG POST w/ W-BEAM
- Removal of Breakaway Cable Terminal (BCT), including concrete foundations and backfilling holes shall be paid under Item No. 202.0412 - REMOVAL OF BCT TERMINAL END. Removal of steel rail and posts shall be paid under Item No. 202.0430 - REMOVAL OF GUARDRAIL AND STEEL POSTS
- Removal of Type 'C' and Type 'F' Terminal Ends (C and F), including concrete anchor blocks, grouted rubble paving and backfilling holes shall be paid under Item No. 202.0410 - REMOVAL OF TYPE C AND F TERMINAL END.

14. Removal of Type D (mounded) Terminal End including removal of earth mound, concrete anchor block and any buried guardrail shall be paid under Item No. 202.0411 - REMOVAL OF TYPE 'D' TERMINAL END.
15. Removal of Rub Rails shall be considered incidental to Item No. 202.0430 - REMOVAL OF GUARDRAIL AND STEEL POSTS.
16. Removal of W-Beam End Sections (Flared), SRT, or FLEAT terminal ends shall be considered incidental to removal of guardrails.
17. 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 other contract items. See Plan sheet No. 15 for Details.
18. During working hours, open sections shall be delineated by placing Type II Barricades with flashers @ 40' O. C. and traffic cones @ 10' O. C. between barricades. Furnishing, placing and maintaining barricades and cones shall be considered incidental to other contract items.
19. When replacing existing guardrail, new guardrail shall be placed in the same general location as existing guardrail, and no closer to highway unless noted otherwise on plans or approved by the engineer.
20. All saw cutting shall be considered incidental to AC Pavement, Mix No. IV.
21. Removal of existing reflector markers at guardrails to be removed and any others noted to be removed shall be considered incidental to guardrail removal.
22. Removal and replacement of signs in conflict with guardrail work shall be considered incidental to installation of new guardrail.
23. An NPDES permit is not required for this project however the Contractor shall submit a list of Best Management Practices (BMP) that will be followed during the course of construction. It shall be the Contractor's responsibility to insure there is no discharge of contaminants to the storm drain system, to any stream, or into ground water. BMPs shall address storage and handling of construction materials and waste materials; tools and equipment including servicing; and any other concerns unique to the project. Cost for preparing, submitting and adhering to the BMPs shall be considered incidental to the various items of work.
24. Paving under guardrails was deleted on this project.

LEGEND

- Existing Guardrail
- New Guardrail
- Adjust Guardrail
- New Guardrail on Existing Posts
- Exist. Type 'D' (Mounded) Terminal End
- Existing Joint Pole
- Existing Power Pole
- Existing Guy Pole
- Existing Electric Manhole
- Existing Telephone Line
- Existing Telephone Pole
- Existing Telephone Manhole
- Existing TV Cable
- Existing 12" Water Line
- Existing Water Manhole
- Existing Water Air Valve
- Existing Water Valve Box
- Existing Water Meter
- New Water Meter
- Existing Fire Hydrant
- Existing Sewer Line
- Existing Sewer Manhole
- Existing Monument
- Existing 24" Drain Line
- Existing Storm Drain Manhole
- Existing Grated Drop Inlet
- Existing Catch Basin
- Existing Traffic Sign

LEGEND FOR AS-BUILT POSTINGS	
	Squiggly line for as-built deletion
	Double line for as-built deletion
Roadway	Text for as-built posting

STATE OF HAWAII DEPARTMENT OF TRANSPORTATION HIGHWAYS DIVISION
GENERAL NOTES AND LEGEND
KAUMUALII HIGHWAY
Guardrail and Shoulder Improvements at Various Locations
Fed. Aid Project No. STP-050-1(22)
Date: August, 2000
SHEET No. 1 OF 1 SHEETS