








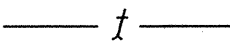


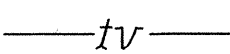
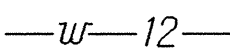


















GENERAL NOTES

FED. ROAD DIST. NO.	STATE	FEDERAL AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	STP-0540(2)	2004	3	23

LEGEND

1. The scope of work for this project consists of removing and installing metal guardrails and posts; installing bike railing; constructing paved areas under new guardrail; constructing concrete end posts; constructing end treatments; and installing signs.
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 30 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. All lanes shall be open to traffic during morning 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.
5. 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.
6. 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.
7. The Contractor shall notify the Engineer in writing, two (2) weeks prior to starting paving operations.
8. 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.
9. The Contractor shall provide and maintain for access to and from all existing driveways, sidewalks and ADA access routes, and side streets and cross streets at all times. This work shall be considered incidental to the various contract items and will not be paid for separately.
10. All new guardrail shall be Strong Post w/ W-Beam unless noted otherwise.
11. Connection to existing guardrail shall be considered incidental to Item No. 606.3130 - GUARDRAIL, STRONG POST w/ W-BEAM.
12. Concrete Curb under Thrie Beam shall be considered incidental to the new End Post.
13. All saw cutting shall be considered incidental to Roadway Pavement, AC Pavement, Mix No. IV.

14. Removal of Rub Rails, posts, Bridge Terminal Connections, and W-Beam End Sections (Flared or Rounded) and appurtenances shall be considered incidental to Item No. 202.0240 - REMOVAL OF GUARDRAIL AND STEEL POSTS.
15. Removal of SRT terminal ends shall be paid under item No. 202.0430 - REMOVAL OF GUARDRAIL AND STEEL POSTS.
16. The Contractor shall be solely responsible for the protection of adjacent properties, utilities and existing structures from damages due to construction. Repairing any damage shall be at the Contractor's own expense, to the satisfaction of the Engineer.
17. No section of incomplete guardrail, footing and/or excavation shall be left unshielded at the end of each day. Open sections shall be shielded by portable physical barriers and crash cushions. Furnishing, placing and maintaining physical barriers and crash cushions shall be considered incidental to other contract items.
18. During working hours, open sections shall be delineated by placing Type II Barricades with flashers @ 25' 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 location as existing guardrail, and no closer to highway unless noted otherwise on plans or approved by the engineer.
20. Where full embedment of guardrail post cannot be achieved, the Contractor shall nest the beam(s) in accordance with the latest State DOT, Traffic Branch alternative design guidelines. This work shall be considered incidental to various guardrail items.
21. No material and/or equipment shall be stockpiled or otherwise stored within the highway right-of-way except at locations designated in writing and approved by the Engineer. If use of location is approved by the Engineer, the Contractor shall obtain a permit to use the property within the highway right-of-way from the State Right-of-Way Branch at telephone no. 692-7332.
22. Existing reflector markers at guardrails are to be removed and any others noted to be removed shall be considered incidental to guardrail removal.
23. Unless noted to be removed and/or replaced, all existing signs shall remain. The Contractor shall replace any signs damaged during the course of construction at no cost to the State. The Contractor may elect to remove signs for the convenience of work. Removed signs shall be reinstalled at the end of each day's work and such removal and replacement shall be at no cost to the State.
24. **The Contractor shall carefully review the plans, specifications and proposal and notify the State within ten (10) working days before bid opening of any discrepancies between the plans and bid proposal. All work specified in the contract but not listed for payment shall be considered incidental to other various contract items and shall not be paid for separately.**

- | | |
|---|---------------------------------|
|  | Existing Guardrail |
|  | New Guardrail |
|  | New Guardrail on Existing Posts |
|  | 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 |
|  | existing edge of pavement |
|  | existing edge of shoulder |
|  | New edge of pavement |
|  | New edge of shoulder |

ORIGINAL PLAN	SURVEY PLOTTED BY _____ DATE _____
	DRAWN BY <i>ALG</i> _____
	TRACED BY _____
	DESIGNED BY <i>J. Turbice</i> _____
	QUANTITIES BY _____
	CHECKED BY _____
	<i>2hwkngn</i> _____

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

GENERAL NOTES AND LEGEND

HALEWILI ROAD

Guardrail and Shoulder Improvements

Federal Aid Project No. STP-0540(2)

Date: June 2003

SHEET No. 1 OF 1 SHEETS