

GENERAL NOTES

1. The scope of work for this project includes removing and installing metal guardrails and bike rails; cold-planing; and asphalt paving.
2. The Contractor is reminded of the requirements of Subsection 108.01 - Subcontracts, 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 - Work Zone Traffic Control.
4. 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 work is possible. The Contractor shall be held liable for any damages incurred to the existing facilities and/or improvements as a result of his operations.
- ~~6. The exact locations and limits or areas to be filled with leveling course, excavated, reconstructed and cold planed shall be determined in the field by the Engineer.~~
7. The Contractor shall notify the Engineer in writing, two (2) weeks prior to starting guardrail and shoulder improvements operations.
8. Earth swale shall be graded to drain. This work shall be considered incidental to the various contract items.
9. Existing drainage system will be functional at all times during construction. The Contractor shall furnish materials, equipment, labor, tools and incidentals necessary to maintain flow. This work shall be considered incidental to various contract items.
10. The contractor shall provide and maintain 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.
11. 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 Tel. No. 692-7332.
12. Any work specified in the contract but not listed separately in the proposal schedule shall be considered incidental to the various contract items, and shall not be paid for separately.
13. 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, installing and maintaining physical barriers shall be considered incidental to the various contract items. See Plan Sheet No. 17 for details.
14. 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, installing and maintaining barricades and cones shall be considered incidental to the various contract items.
15. Connection to existing guardrail shall be considered incidental to Item No. 606.3130 - GUARDRAIL, TYPE 3 W-BEAM WITH STRONG POST.

16. Removal and disposal of concrete foundation for Breakaway Cable Terminal (BCT) and backfilling the holes shall be paid for under Item No. 202.0120 - REMOVAL OF CONCRETE FOUNDATION FOR TYPE BCT TERMINAL END. Removal of the 25-foot steel rail and posts shall be paid for under Item No. 202.0130 - REMOVAL OF GUARDRAIL AND STEEL POSTS.
17. Removal and disposal of anchor block and/or grouted rubble paving for Type "A" Flare, Type "C" and Type "F" Terminal Ends, and backfilling the holes shall be paid for under Item No. 202.0110 - REMOVAL OF ANCHOR BLOCK FOR TYPE "A" FLARE AND TYPE "C" AND "F" TERMINAL ENDS. Removal of the 50-foot steel rail and posts for Type "A" Flare shall be paid for under Item No. 202.0130 - REMOVAL OF GUARDRAIL AND STEEL POSTS. (Note: No steel rail and posts for Type "C" and "F" Terminal Ends).
18. Removal and disposal of Rubrails and W-Beam End Sections (flared or rounded) shall be considered incidental to Item No. 202.0130 - REMOVAL OF GUARDRAIL AND STEEL POSTS.
19. Removal and disposal of the 37.5-foot steel rail and posts for SRT and FLEAT-350, 32-foot steel rail and posts for MELT, and 50-foot steel rail and posts for ET-2000 and SKT-350 Terminal Ends, shall be paid for under Item No. 202.0130 - REMOVAL OF GUARDRAIL AND STEEL POSTS. (Note: No contract item for the removal of SRT, FLEAT-350, ET-2000, MELT and SKT-350 Terminal Ends).
20. Removal and disposal of Thrie Beam guardrail (with or without posts) and metal bridge rail shall be paid for under Item Nos. 202.0140 - REMOVAL OF TYPE 3 THRIE BEAM GUARDRAIL, and 202.0150 - REMOVAL OF METAL BRIDGE RAILING, respectively.
- ~~21. In the vicinity of Hokualele Road (Sta. 59+60± to Sta. 64+50±, See Plan Sht. #12 & Plan Sht. #19), transition guardrail (4-25' transitions) including W-Beam guardrail and rubrail will be paid for under Item No. 606.3130 - GUARDRAIL, TYPE 3 W-BEAM WITH STRONG POST.~~
- ~~22. For guardrails from Sta. 41+15± to Sta. 39+50± (both sides, See Plan Sht. #15), rubrails shall not be paid for separately, but shall be considered incidental to Item No. 606.3133 - GUARDRAIL, TYPE 3 W-BEAM (DOUBLE-NESTED). Existing steel posts will not be removed, and will be used to install the new double-nested steel rail and rubrail.~~
23. When replacing existing guardrail, new guardrail shall be placed in the same location as existing guardrail, and no closer to the highway unless otherwise specified on the plans or approved by the Engineer.
24. All saw-cutting shall be considered incidental to Item No. 401.0400 - A.C. Pav't., Mix No IV.
25. All pavement markers and striping, and traffic signs and/or markers that are damaged, or removed by the Contractor as a result of his operations shall be replaced by the Contractor. All such replacement work shall not be paid for separately but shall be considered incidental to the various contract items.
26. All traffic signs and/or markers that are to be relocated by the Contractor as a result of his operations shall not be paid for separately but shall be considered incidental to the various contract items.
- Contractor shall not remove and/or relocate signs and/or markers without written approval from the Engineer.
27. Work on the north (makai) side of Waiakalua Stream Bridge shall be done prior to any other work under this project. However, other work may take place concurrently while waiting for ordered materials for the bridge. Refer to Plan Sht. Nos. 17, 26, 27, 28 & 29.

28. Prior to commencing his operations, the Contractor shall contact the County of Kauai's Department of Water, Operations Division (Phone No. 245-5444) and make arrangements for the Department of Water personnel to "tone" for and mark the location of existing waterlines, service laterals, valve boxes and manhole frames/covers, including ones that may have been inadvertently paved over on previous resurfacing projects.
- Payment involved in toning for and locating these water utilities/facilities shall not be paid for separately, but shall be considered incidental to the various contract items.
29. All work of toning, probing, hand digging and all other means of utility verification for the Sandwich Isles Communications (SIC) fiber-optic duct lines shall not be paid for separately, but shall be considered incidental to the various contract items. Contractor shall contact SIC Customer Service Center at 524-8400 or toll free at 1-888-995-7274.
- ~~30. When a new terminal end connects to existing low guardrails (not meeting the required height), adjust three lengths of existing guardrails (approximately 37.5 feet) immediately adjacent to the new terminal end to meet the height of the new terminal end. Adjustment of existing guardrails will not be paid for separately, but shall be considered incidental to the various guardrail contract items.~~

LEGEND

	Resurfacing Limits		Existing Sewer Manhole
	Cold Planing Areas		Adjusted Sewer Manhole
	Existing Power Pole		New Sewer Manhole
	Existing Electric Manhole		Existing Monument
	Existing Telephone Manhole		Adjusted Monument
	Existing Telephone Pullbox		New Monument
	Adjusted Telephone Pullbox		Existing Storm Drain Manhole
	Existing Traffic Signal Standard		Adjusted Storm Drain Manhole
	Existing Traffic Signal Pullbox		Existing Grated Drop Inlet
	Existing Water Manhole		Adjusted Grated Drop Inlet
	Adjusted Water Manhole		Existing Fiber Optic Manhole
	Existing Water Air Relief Valve		Owned by Sandwich Isles Communications (SIC)
	Adjusted Water Air Relief Valve		Existing Fiber Optic Ductline
	Existing Water Valve Box		
	Adjusted Water Valve Box		
	Water Valve Box Below Exist. A.C. Pav't. to be Adjusted		
	Existing Water Meter Box		
	Adjusted/Replaced Water Meter Box with Cast Iron Cover		
	Existing Traffic Sign		
	New Traffic Sign		
	Existing Monitoring Well		
	Existing Utility Box		
	Existing Fire Hydrant		
	Existing Metal Guardrail		
	New Metal Guardrail		
	New Metal Guardrail (Existing Posts to Remain)		
	Adjusted Metal Guardrail		

1/27/06		Added Note No. 30
		Revised Note No. 27
		Deleted Note Nos. 6, 21 and 22
DATE		REVISION
STATE OF HAWAII DEPARTMENT OF TRANSPORTATION HIGHWAYS DIVISION		
GENERAL NOTES AND LEGEND		
KUHIO HIGHWAY		
Guardrail and Shoulder Improvements		
at Various Locations		
Fed. Aid Project No. STP-056-1(49)		
Date: Jan. 2006		