

GENERAL NOTES











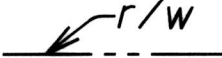










FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	1M-STP-0300(106)	2017	3	193

1. The scope of work for the project consists of upgrading guardrail terminal sections, guardrail connections to structures and median barriers, installing impact attenuators, replacing storm water gutters and shoulders, installing striping, maintaining temporary erosion control BMP's, and providing traffic control.
2. Subsection 105.16(A) - Subcontract requirements requires the contractor to perform work amounting to not less than 30 percent of the total contract cost less deductible items.
3. The Contractor's attention is directed to the following Sections of the Standard Specifications and the Special Provisions: Subsection 107.06 - Contractor Duty Regarding Public Convenience; Subsection 107.12 - Protection of Persons and Property; 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 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 sign posts, traffic signal conduits, 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.
6. 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 any culvert work or the various contract items and will not be paid for separately.
7. The Contractor shall clean and remove any accumulation of aggregates along the roadside within 10 feet of the edge of pavement. This work shall be considered incidental to bulk of work or the various contract items and will not be paid for separately.
8. No material and/or equipment shall be stockpiled or otherwise stored within the highway right-of-way except at locations designed 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 Oahu District Office at telephone no. (808) 831-6712 Ext. 107
9. All work specified in the Contract but not listed separately in the proposed schedule shall be considered incidental to other various Contract items and shall not be paid for separately.
10. Unprotected pavement dropoffs greater than 2" shall not be allowed during non-working hours.

11. Contractor shall be responsible to contain construction debris and dust during work especially along sides of the bridge and abutments, etc. to prevent release of materials from the work area. This work shall be considered incidental to various Contract items.
12. The Contractor shall notify the Oahu Transit Services, Inc., Road Supervison Office, 811 Middle Street, Honolulu, Hawaii 96819 (Telephone Number 848-4571), two (2) weeks prior to construction, informing them of location, scope of work, and dates of lane(s) closure(s) of Interstate Route H-2 Freeway and Moanalua Freeway.
13. The Contractor shall restore to their original condition all improvements damaged as a result of the construction, including pavements, embankments, curbs, signs, landscaping, structures, utilities, walls, fences, etc. unless provided for specifically in the proposal at no extra cost and time to the State.
14. If nighttime construction activity and/or equipment maintenance is proposed during the construction phases of the project, all associated lights should be shielded and when large flood/work lights are used, they should be placed on poles that are high enough to allow the lights to be pointed directly to the ground.
15. If streetlights or exterior facility lighting are installed in conjunction with the project, it is recommended that the lights be shielded to reduce the potential for interactions between nocturnally flying sea birds and external lights and/or man-made structures.
16. Smooth riding connections shall be constructed at all limits of resurfacing, including the beginning and end of project, connecting approaches, and side streets as shown on the plans and/or as ordered by the Engineer. The Contractor shall saw cut the existing pavement transverse to a traffic lane and provide a neat connection.
17. All saw cutting work including vacuuming of slurry shall be considered incidental to HMA Pavement.
18. When trench excavation is adjacent to existing structures or facilities, the Contractor is responsible for properly sheeting and bracing the excavation and stabilizing the existing ground to render it safe and secure from possible slides, cave-ins, and settlement. Provide beams, struts, or underpinning as necessary. This work shall be considered incidental to various contract items.
19. Stop work and contact the State Historic Preservation Division at (808) 692-8083 immediately should any unidentified archaeological site or remains (such as artifacts, shells, bones, charcoal deposits, road or coral alignments, pavings or walls) be encountered during construction.
20. The Contractor shall adjust flush to finish grade all manhole, valve, pull box, and handhole frames and covers, including those not shown on plans, if there is a change in grade due to construction of the project. If the proposal does not show a contract item, the Engineer will consider them incidental to the various contract items.
21. The Contractor shall verify all dimensions and details shown on the drawings prior to the start of construction. Any discrepancy shall be immediately brought to the attention of the Engineer.

22. Tack coat shall be incidental to the various asphalt concrete pavement items.
23. Contractor shall comply with conditions as stated in the project NPDES permit.
24. 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, TL-3 Rated. Furnishing, installing and maintaining physical barriers shall be considered incidental to the various contract items.
25. Reset guardrails to distances indicated on plans. Location of new guardrail may or may not be on the same placement as existing guardrail. Distances indicated along guardrail are from face of guardrail to white edge of pavement unless otherwise noted. Where no white edge pavement stripe exist, the distance indicated on the plan is from face of guardrail to the edge of asphalt concrete pavement stripe.
26. Payment of terminal sections shall include steel guardrail and post elements for the entire length of the terminal. Additional items required for construction of the terminal section, including anchor blocks, cables, hardware, etc., shall be incidental to the cost of the terminal section.

LEGEND

	Reconstruction Areas
	Existing Joint Pole
	Existing Power Pole
	Existing Telephone Pole
	Existing Monument
	Existing 24" Drain Line
	Existing Storm Drain Manhole
	Existing Deck Drain
	Existing Grated Drop Inlet
	New Grated Drop Inlet
	Existing Right-of-Way
	Existing Catch Basin
	New Catch Basin
	Existing Traffic Sign
	Existing Highway Lighting Standard
	Existing Highway Lighting Pullbox
	Existing Traffic Signal Pole
	Existing Traffic Signal Pullbox
	Existing Metal Guardrail
	New Metal Guardrail
	Existing Concrete Drop Inlet

STATE OF HAWAII  
DEPARTMENT OF TRANSPORTATION  
HIGHWAYS DIVISION

GENERAL NOTES AND LEGEND

INTERSTATE ROUTE H-2 and  
MOANALUA FREEWAY

Guardrail and Shoulder Improvements  
Federal-Aid Project No. 1M-STP-0300(106)

Date: XX, 2009

SHEET No. 1 OF 1 SHEETS