


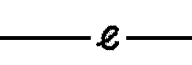


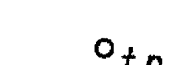
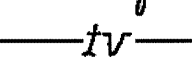
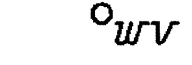
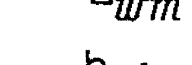
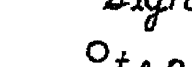

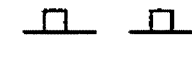


GENERAL NOTES

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	ER-15(20)	2010	3	33

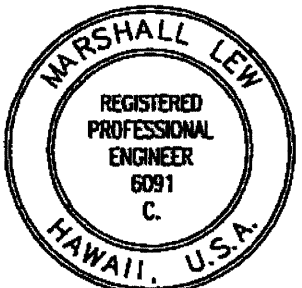
- The scope of work for this project consists of: paving, ground-in shoulder rumble strip, Cement Rubble Masonry repairs, Grouted Rubble Paving slope protection, reinforced sloping walls, guardrails, and pavement striping and markings.
- The Contractor is reminded of the requirements of Subsection 105.16(A) - Subcontract Requirements, which requires him to perform work 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.
- The Contractor's attention is directed to the following Sections of the Special Provisions: Subsection 107 - Legal Relations and Responsibility to Public; Subsection 104.11 - Utilities and Services; and Section 645 - Work Zone 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.
- 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.
- The Contractor shall indemnify and 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.
- 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 the various items in the bid schedule and will not be paid for separately.
- Earth swale shall be graded to drain. This work shall be considered incidental to the various items in the bid schedule and will not be paid for separately.
- Smooth riding connections shall be constructed at all limits of project, including the beginning and end of project, connecting approaches, side streets, walkways and driveways as shown on the plans and/or as directed by the Engineer. This work shall be considered incidental to the various items in the bid schedule and will not be paid for separately.
- 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 the various items in the bid schedule and will not be paid for separately.

- All saw cutting work shall be considered incidental to the various items in the bid schedule and will not be paid for separately.
- The Contractor shall provide and maintain for access to and from all existing driveways, sidewalks and ADA access routes complying with ADAAG Section 4.3, and side streets and cross streets at all times. This work shall be considered incidental to the various items in the bid schedule and will not be paid for separately.
- The Contractor shall provide and maintain a temporary pedestrian-safe and easily accessible route or detour with barricades in or near the work zone. This temporary route or detour shall be paved at least an inch of Asphalt Concrete Pavement, Mix No V or steel and/or wood planks and shall be American With Disabilities Act (ADA) compliant [This is only applicable if existing surface is dirt and/or if existing surface is non-ADA compliant.]. This work shall be incidental to the various items in the bid schedule and will not be paid for separately.
- The Contractor shall remove and dispose of all existing raised pavement markers, traffic tapes, and epoxy adhesives prior to the overlaying of Asphalt Concrete. This work shall be considered incidental to the various items in the bid schedule and will not be paid for separately.
- 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 Hilo District Office at telephone no. 933-8866.
- The exact locations and limits or areas to be filled with leveling course, reconstructed, and cold planed shall be determined in the field by the Engineer.
- All trees and shrubs to be removed shall be cut and chipped. Disposal shall be as directed by the Engineer within 6 miles of the cut trees. Poison tree stumps to prevent regrowth.
- When working near utility poles, the Contractor shall protect, support, secure and take all other precautions to prevent damage to or leaning of these poles. The Contractor is responsible for all costs associated to repair and/or straighten pole.
- To minimize potential impacts to Hawaiian Hoary Bats, woody vegetation taller than 15 feet high shall not be cleared between May 15 and August 15. If Contractor elects to clear trees within these dates, he shall hire a qualified biologist to survey for roosting bats. Cost of biologist to be incidental to various Contract Items.
- If brush clearing activities occur between April 1 and April 15 (peak Hawaiian Hawk breeding season), area shall be surveyed by a qualified biologist for nesting hawks, prior to commencement of brush or tree clearing. No activities will be permitted within 1,320 feet of an active Hawaiian Hawk nest. Cost of biologist to be incidental to various Contract Items.

LEGEND

-  Resurfacing Limits
-  Existing Electrical Line
-  Existing Joint Pole
-  Existing Power Pole
-  Existing Telephone Line
-  Existing Telephone Pole
-  Existing TV Cable
-  Existing Water Valve Box
-  Existing Water Meter
-  Existing Traffic Sign
-  Existing Traffic Signal Pole
-  Existing Traffic Signal Pullbox
-  Existing Metal Guardrail

SURVEY PLOTTED BY	DATE
DRAWN BY	8/28/20
DESIGNED BY	
QUANTITIES BY	
CHECKED BY	
ORIGINAL PLAN	
NOTE BOOK	
DATA	
NO.	1001



This work was prepared by me or under my supervision and construction of this project will be under my observation.

signature  4/30/12  
expiration date of the license

STATE OF HAWAII DEPARTMENT OF TRANSPORTATION HIGHWAYS DIVISION <b>GENERAL NOTES</b> <b>EMERGENCY EARTHQUAKE</b> <b>ROCKFALL REPAIRS</b> <b>VARIOUS LOCATIONS ON HAWAII, UNIT 2</b> <b>FEDERAL AID PROJECT NO. ER-15(20)</b> Date: NOVEMBER 2010
SHEET No. C-1 OF 33 SHEETS