



FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
MAUI	HAW.	ER-16(009)	2012	1	13

GENERAL NOTES:

1. The Scope of Work for this project consists of improvements to Hana Highway at MP 14. Improvements consist of constructing a concrete tie-back retaining structure, providing a paved shoulder, slope stabilization and erosion protection on the mauka and makai slopes.
2. The Contractor's attention is directed to the following Sections of the Standard Specifications and Special Provisions: Subsection 104.11 - Utilities and Services Section 107 - Legal Relations and Responsibility to Public; and Section 645 - Work Zone Traffic Control.
3. Contractor shall adhere to the approved traffic control plan until highway is suitable and safe for two-lane traffic.
4. 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.
5. The Contractor shall notify the Engineer in writing, 5 working days prior to starting any paving operations.
6. Dressing of shoulders shall consist of clearing, grubbing, grading, reshaping, and compacting the unpaved shoulders with suitable material as shown on the plans and/or as directed by the Engineer. This work shall be considered incidental to the various contract items.
7. Earth swales shall be graded to drain. This work shall be considered incidental to the various contract items.
8. All saw cutting work shall be considered incidental to contract items.
9. Smooth riding connections shall be constructed at all limits of the project, including the beginning and end of project, as shown on the plans and/or as directed by the Engineer.
10. The Contractor shall clean and remove any accumulation of aggregates along the roadside within 15 feet of the edge of pavement. This work shall be considered incidental to the various contract items.
11. All necessary permits shall be obtained by the Contractor at his own cost.
12. The Contractor shall comply with the State of Hawaii's Occupational Safety and Health Law (DOSH).
13. The Contractor shall maintain at least one lane of traffic open at all times and permit free and safe passage of public traffic. Any lane closures shall be coordinated with the Engineer.
14. Unprotected pavement dropoffs greater than 2" shall not be allowed during non-working hours, except where approved by the Engineer in writing.
15. In the event that historical resources, including human skeletal remains, cultural materials, lava tubes, and lava blisters/bubbles are discovered during construction activities, the contractor shall cease work in the immediate vicinity of the find, protect it from additional disturbances, and call the State Historical Preservation Division, Maui Island Section at (808) 243-1285.

**LEGEND FOR AS-BUILT POSTINGS**

 Squiggly line for as-built deletion

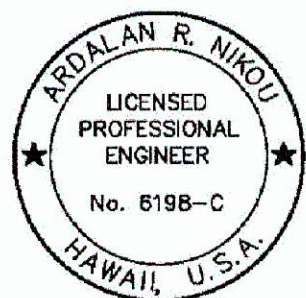
 Double line for as-built deletion

Roadway Text for as-built posting

GENERAL CONSTRUCTION NOTES:

1. Locations of existing underground structures and utilities such as pipelines, conduits, cables, manholes, monuments, and structures shown on the Plans are approximate only. It is not the intent of these Plans to show the exact location of all underground utilities and structures. It is the responsibility of the Contractor to verify the locations of all existing utilities with the respective owners. Existing utilities damaged by the Contractor shall be repaired by the Contractor at his own cost.
2. The Contractor shall verify and check 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 for clarification.
3. When trench excavation is adjacent to or under existing structures or facilities, the Contractor shall be 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, and for properly supporting existing structures and facilities with beams, struts or underpinning to fully protect them from damage.
4. Backfill under existing structures or facilities shall be sandy and granular material completely placed as soon as the ducts are laid. The backfill material shall be rammed with proper tools until compacted to 90-95% of its maximum density.
5. All work called for on the plans and not itemized in the proposal and all work not called for but required for the construction of this project shall be considered incidental to trench excavation.
6. 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.. Demolition and restoration of existing items shall be incidental and included within the amount paid for various contract items.
7. The Contractor shall observe and comply with the administrative rules of The Department of Health regarding noise control of Hawai'i.
8. Locations of new pavement striping, markers, and markings shown on plans shall be verified with the Engineer.
9. Maintenance of traffic through the construction area shall be in accordance with Part VI of the "Manual on Uniform Traffic Control Devices for Streets and Highways," FHWA (2009) and as specified in the Special Provisions. The Contractor shall furnish and maintain adequate barriers, blinkers, construction signs, etc., for the safety of the motoring public.
10. The Contractor shall remove all silt and debris resulting from his work and deposited in drainage facilities, roadways, and other areas on a daily basis. The costs incurred for any necessary remedial action by the Engineer shall be payable by the Contractor.
11. The Contractor, at his own expense, shall keep the project area and surrounding area from dust nuisance. The work shall be in conformance with the Air Pollution Control Standards and Regulations of the State Department of Health.
12. No material and/or equipment shall be stockpiled or otherwise stored within roadway right-of-way except of locations designated and approved in writing by the Engineer.
13. There may be other contractors working in the project site on other projects. The Contractor shall coordinate his work with these contractors.
14. All construction work shall be done in accordance with these plans; all applicable sections of the "Standard Specifications for Road and Bridge Construction," dated 2005 as amended, of the State Highways Division, Department of Transportation; and the project's Special Provisions, unless otherwise specified.
15. Full compensation for all additional materials and labor, not specifically shown or called for which are necessary to complete the construction of the project, shall be considered incidental to the various contract items in the Proposal and no additional compensation will be allowed therefore.
16. Removal of existing signs shall also include the removal of posts and foundations unless otherwise noted. Cost for removal and temporary installation of signs, posts, and foundations shall be considered incidental to other items of work.
17. The vertical pavement drop-off shall not exceed 2-inches. If a vertical pavement drop-off exists at the end of each day's cold planing and paving, the Contractor shall provide a wedge with a 48:1 minimum transition taper for traverse drop-off no steeper than 12:1 for longitudinal drop-off, as approved by the Engineer. This work shall be considered incidental to various pavement items..

AECOM



EXPIRATION DATE OF THE LICENSE: 4/30/2014  
THIS WORK WAS PREPARED BY  
ME OR UNDER MY SUPERVISION.

MILEPOST 14.0

STATE OF HAWAII DEPARTMENT OF TRANSPORTATION HIGHWAYS DIVISION	
<b>GENERAL &amp; CONSTRUCTION NOTES</b>	
<b>HANA HIGHWAY EMERGENCY REPAIRS</b>	
<b>MILEPOST 14.0</b>	
<b>FEDERAL-AID PROJECT NO. ER-16(009)</b>	
Scale: As Noted	Date: July 10, 2012
SHEET No. 1 OF 13 SHEETS	

"AS-BUILT"