

- 1. The Scope of Work for this project consists of rockfall mitigative improvements along a stretch of Kuamoo Road in the vicinity of MP 0.3. Improvements consist of a ring net drapery system supported with grouted wire rope anchors and cable lashing installed over the slope to reduce the potential for rockfall hazards and a chain link fence at the top of slope.*
- 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. At the end of each day's work, the Contractor shall remove all barriers, equipment, and other obstructions to permit free and safe passage of public 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/her operations whether or not they are shown on the plans.*
- 5. Existing drainage system will be 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 various contract items.*
- 6. The Contractor shall notify the Engineer in writing, five working days prior to starting any construction work.*
- 7. All required environmental permits shall be provided by the State. All required construction permits for this project shall be obtained by the Contractor at his/her own cost.*
- 8. The Contractor shall comply with the State of Hawaii's Occupational Safety and Health Law (DOSH).*
- 9. The Contractor shall provide a temporary removable barrier where work is active on or near the slope and allow for contra-flow of traffic. The Contractor shall maintain at least one lane of traffic open at all times during work hours and permit free and safe passage of public traffic. Any lane closures shall be coordinated with the Engineer. All lanes shall be open to traffic at the end of each work day.*
- 10. The Contractor shall comply with Section 645 – Work Zone Traffic Control of the Standard Specifications regarding lane closures and other applicable traffic control measures to be employed during this project.*
- 11. 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 at (808) 692-8015.*
- 12. Any work specified in the contract but not listed separately in the proposal schedule shall be considered incidental to other various contract items and shall not be paid for separately.*

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. *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 various contract items.*
4. *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.*
5. *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.*
6. *The Contractor shall observe and comply with the administrative rules of The Department of Health regarding noise control of Hawai'i.*
7. *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.*
8. *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 made payable by the Contractor.*
9. *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.*
10. *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.*
11. *There may be other contractors working in the project site on other projects. The Contractor shall coordinate his work with these contractors.*
12. *All construction work shall be done in accordance with these plans and associated specifications; 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.*
13. *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.*

ORIGINAL PLAN	SURVEY PLOTTED BY _____ DATE _____
NOTE BOOK	DRAWN BY _____ *
	TRACED BY _____ *
	DESIGNED BY _____ *
	QUANTITIES BY _____ *
	CHECKED BY _____ *
N. _____	



Notes for Construction Within State Right-of-Way

- 1. The Contractor shall obtain a construction permit from State Highway's District Engineer at 1720 Haleukana Street, Lihue, Hawaii 96766 prior to commencement of work within State Highway Right-of-Way (ph. 808-241-3017).
- 2. Construction and restoration of all existing highway facilities within State Right-of-Way shall be done in accordance with all applicable sections of the current "Hawaii Standard Specification for Road and Bridge Construction 2005" and the "Specification for Installation of Miscellaneous Improvements within State Highway" of the State Highway Division.
- 3. The Contractor shall provide, install, and maintain all necessary signs, lights, flares, barricades, markers, cones, and other protective facilities and shall take all necessary precautions for the protection and for the convenience and safety of public traffic. All such protective facilities and precautions to be taken shall conform with the "Administrative Rules of Hawaii Governing the Use of Traffic Control Devices at Work Sites on or Adjacent to Public Streets and Highways" adopted by the Director of Transportation, and the current U.S. Federal Highway Administration "Manual on Uniform Traffic Control Devices for Street and Highways, Part VI-Traffic Control for Highway Construction and Maintenance Operations." If lane closures are required during construction, a traffic control plan shall be incorporated into the construction plans and must be approved by the Division prior to the issuance of the permit.
- 4. No material and/or equipment shall be stockpiled or otherwise stored within Highway Right-of-Way except at locations designated in writing and approved by the District Engineer. If use of location is approved by the Engineer, the Contractor shall obtain a permit to use the property within the Highway R/W from the State Highways Division (ph. 808-241-3022).



- 5. Existing longitudinal drainage system along the highway shall be functional and maintained at all times.
- 6. Approval of permit construction plans shall be valid for a period of one year thereof from the date of notification of approval to the applicant. In the event construction does not commence within this one-year period, the applicant will be required to resubmit his construction plan for Division's review and approval.
- 7. All regulatory, guide and construction signs and barricades shall be of high intensity reflective sheeting.
- 8. Contractor shall inform the State Highways Office (ph. 808-241-3022) at least 2 days prior to closing any lanes.
- 9. The Contractor shall reference to the satisfaction of the District Engineer, all existing traffic signs, posts, and pavement markings prior to the commencement of construction. The contractor shall replace or repair all traffic signs, posts, and pavement markings disturbed by his activities unless directed otherwise by the District Engineer or designated representative.
- 10. The Contractor shall exercise care when excavating in areas with utilities, streetlights, signals, etc. Damage to these existing facilities shall be immediately reported to the respective utility companies, county, or state agency. The repair work shall be done at the Contractor's expense.
- 11. The Contractor shall comply with the attached traffic control plans and sign spacing table.
- 12. Contractor shall implement Best Management Practices (BMP) for erosion and silt control for work within the State R/W.
- 13. The permit to perform work upon State Highways may be revoked because of default in any of the following:
 - A. Work performed before or after permitted hours;
 - B. Failure to maintain roadway surfaces in smooth and safe condition;
 - C. Failure to clean up construction debris generated from project work;
 - D. Failure to provide proper traffic control;
 - E. Failure to replace damaged pavement markings and signs.

Notes for Construction Within State Right-of-Way (Cont)

- 14. The contractor shall exercise care when performing work in or adjacent to the state highway right-of-way. Damages to existing facilities shall be immediately reported to the respective utility companies, and/or city or state agencies. the repair work shall be done at the Contractor's expense.
- 15. Prior to construction, the Contractor shall contact the various agencies for location of existing utilities within the project limits. The Contractor shall locate and protect all existing utilities whether or not shown on the plans. Any costs incurred from damages to existing utilities shall be borne by the Contractor. Contractor shall request toning of utilities from One-Call Center (ph. 1-866-423-7287). The Contractor shall also call the County of Kauai Department of Water (ph. 808-245-5411) and the Wastewater Division (ph. 808-241-6642) for toning of waterlines and sewer lines, respectively.
- 16. The Contractor shall notify the State Highways Division, Kauai's District Office, Area Engineer (ph. 808-241-3022) three working days prior to commencing work.
- 17. Unless requested in writing by the Contractor and approved in writing by the District Engineer, use of steel plates within the travelway will not be permitted at any time. When permitted, only one steel plate will be used within the travelway at any time.
- 18. All workers within the State Right-of-Way who are exposed to either vehicles using the roadway or to construction equipment shall wear high visibility safety apparel that meets the Performance Class 2 or 3 requirements of ANSI/ISEA 107-2004. "Workers" is defined as people on foot whose duties place them within the State Right-of-Way such as but not limited to construction and maintenance forces, equipment operators, survey crews, utility crews, responders to incidents (e.g. EMT and Firefighters) and law enforcement personnel directing traffic, investigating accidents, and handling lane closures and obstructed roadways.
- 19. The contractor shall exercise care when performing work in or adjacent to the state highway right-of-way. Damages to existing facilities shall be immediately reported to the respective utility companies, and/or city or state agencies. The repair work shall be done at the Contractor's expense.
- 20. Night work shall not be done during the period from September 15 to December 31 of each year.



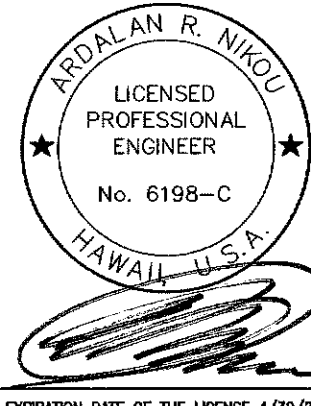
REVIEWED BY	DATE
DESIGNED BY	
CHECKED BY	
NOTED BY	
DATE	

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	580A-01-14	2014	ADD.4	15



06/16/14	Added and Revised Notes
DATE	REVISION
STATE OF HAWAII DEPARTMENT OF TRANSPORTATION HIGHWAYS DIVISION	
GENERAL NOTES	
KUAMOO ROAD	
EMERGENCY SLOPE STABILIZATION	
VICINITY OF MILEPOST 0.3	
PROJECT NO. 580A-01-14	
Scale: As Noted	Date: June 2014
SHEET No. 4 OF 15 SHEETS	

AECOM



EXPIRATION DATE OF THE LICENSE 4/30/2016
THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION.