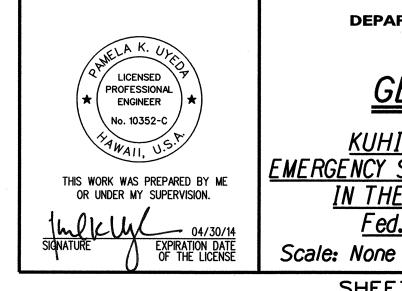
FED. ROAD	STATE	FEDERAL AID	FISCAL	SHEET	TOTAL
DIST. NO.		PROJ. NO.	YEAR	NO.	SHEETS
HAWAII	HAW.	ER-16(002)	2014	3	54

GENERAL NOTES:

- 1. The scope of work for this project includes constructing retaining walls, textured concrete railings, CRM walls, GRP swale, and HMA pavement; installing metal guardrails, soil nails, signs, pavement markings, landscaping trees and shrubs, and erosion control BMPs; demolishing existing structures; and traffic control.
- 2. The Contractor is reminded of the requirements of Subsection 105.16 - 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 Standard Specifications: Subsection 107.06 - Confractor Duty Regarding Public Convenience; Subsection 104.11 - Utilities 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 Contractor is notified of the existence of weight-posted one-lane bridges along Kuhio Highway (Route 560). Current weight limits are 15 tons at Hanalei Bridge and 8 tons for 3 bridges between Hanalei and the project site. Prior to crossing these bridges, the Contractor shall apply for an oversize/overweight/ vehicle/load permit for each affected vehicle, equipment, and/or load at the State Highways Division office (ph. 241-3000). The State reserves the right to disallow crossing of these bridges by loads exceeding the posted weight limits.
- 6. 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.
- 7. The Contractor shall verify the presence of existing overhead and underground utilities which may conflict with construction activities and shall coordinate with the utility company for temporary relocation, as necessary. All costs associated with temporary relocations shall be borne by the Contractor.
- 8. All existing utilities, whether or not shown on the plans, shall be protected at all times by the Contractor during construction unless specified on the plans to be abandoned. All existing utility/light poles, overhead utilities and guy poles/wires shall remain in place and operational. The Contractor shall be held liable for any damages incurred to the existing utilities as a result of his operations. All damaged portions shall be replaced in accordance with the standards and specifications of the affected utility company at no cost to the State. No delays or extensions of contract time will be allowed as a result of these required repairs.
- 9. Existing drainage system shall be kept 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 contract items.
- 10. Existing facilities and/or pavement to remain which has been damaged by the Contractor shall be restored to its original condition at no cost to the State.
- 11. All graded areas and all grassed areas damaged by construction activities shall be planted in accordance with Specifications Section 641 - Hydro-Mulch Seeding. This work is considered incidental to the various contract items.

- 12. The Contractor shall notify the Engineer in writing, two (2) weeks prior to starting paving operations.
- 13. All Asphalt Concrete materials from cold planing, reconstruction and roadway excavation operations shall become the property of the Contractor.
- 14. Smooth riding connections shall be constructed at all limits of project, including the beginning and end of project, connecting approaches, side streets, and driveways as shown on the plans and/or as directed by the Engineer. This work shall be considered incidental to HMA Pavement Mix No. V and will not be paid for separately.
- 15. All saw cutting work shall be considered incidental to HMA Pavement, Mix No. V and will not be paid for separately.
- 16. The Contractor shall remove and dispose of all existing raised pavement markers and traffic tapes prior to the overlaying of Asphalt Concrete. This work shall be considered incidental to HMA Pavement, Mix No. V and will not be paid for separately.
- 17. After completion of resurfacing, the Contractor and the Engineer will test for, and determine ponding areas (i.e. low spots within the resurfaced area). It shall be the responsibility of the Contractor to correct and resurface and/or repair all such ponding areas.
- 18. 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 Highways Division at telephone no. 241-3000.
- 19. Trimming and dressing of shoulder 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. Suitable materials shall include materials from roadway excavation, including topsoil and base material therefrom, and if necessary, additional materials from borrow outside the limits of the right of way. Asphalt Concrete removed from cold planing, reconstruction and roadway excavation shall not be used for dressing of shoulder. This work shall be considered incidental to the various contract items.
- 20. Pursuant to Chapter 6E, HRS, in the event any artifacts or human remains are uncovered during construction operations, the Contractor shall immediately suspend work and notify the State Department of Land and Natural Resources - Historic Preservation Division (ph. 652-1510 or 808-692-8015), and Kauai Police Department (ph. 241-1711).
- 21. The project site is traversed by one endangered endemic bird, the Hawaiian Petrel, and one threatened endemic bird, the Newell's Shearwater. To reduce the possibility that these nocturnally flying birds may become disoriented and downed by construction lighting, nighttime construction will be allowed between January and August only and prohibited between September 15 to December 15. Contractor is encouraged to work during day light hours unless there is significant impact to traffic.

- 22. Prior to approval of nighttime construction work, the Contractor shall submit for the Engineer's acceptance a Seabird Response Plan, which
 - a) Response plan for circling/downed birds when lights may be turned off temporarily if it is safe for workers and if birds are circling
 - b) Seabird awareness training for staff (this should be verified on their personnel file).
 - c) A list of qualified bird rescue contact(s) such as the Save Our Shearwaters program (SOS), a local vet or rehabilitation center, or Hawaii Division of Forestry and Wildlife (DOFAW) representative.
 - d) Maintaining a pet carrier on site at all times with instructions on how and where to keep recovered birds.
 - e) Logging seabird incidences that are submitted to the U.S. Fish and Wildlife Service and DOFAW within 48 hours of discovery.
- 23. When conducting night work, the Contractor shall shield all construction lights and direct the lights downwards to minimize light pollution.
- 24. 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 firemen), and law enforcement personnel directing traffic, investigating accidents, handling lane closures and obstructed roadways.
- 25. Any work specified in the contract documents, but not listed separately in the Proposal Schedule, shall be considered incidental to the various contract items and shall not be paid for separately.
- 26. No clearing, grubbing, or trimming of woody plants greater than 15' shall be allowed during the Hawaiian Hoary Bat pup-rearing season (June 1 through September 15).
- 27. Guardrail Paint:
 - a) Contractor shall shop coat all members. Field coating shall consist of touch up only.
 - b) Color for top coat shall match gray color of the galvanized steel surface; intermediate coat shall have a contrasting light color. Finish for top coat shall not be gloss or high gloss.
 - c) See special coating schedule options on Sht. S4.2.



DEPARTMENT OF TRANSPORTATION HIGHWAYS DIVISION

GENERAL NOTES

KUHIO HIGHWAY (ROUTE 560) EMERGENCY SLOPE STABILIZATION IN LUMAHAI IN THE VICINITY OF M.P. 5.1 TO 5.3 Fed. Aid Proj. No. ER-16(002)

Date: Oct. 25, 2013

SHEET No. CO.2 OF 5 SHEETS