

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	HSIP-050-11044	2024	7	40

HISTORICAL PRESERVATION NOTES

- A. If cultural materials such as artifacts, burials, concentrations of shell or charcoal be discovered during construction, all earth-moving activity within and around the immediate discovery area shall cease immediately and the find shall be protected from further damage. The Contractor shall immediately notify the Planning Department and the State Historic Preservation Division at (808) 241-3690, which will assess the significance of the find and recommend appropriate mitigation measures, if necessary.
- B. If previously unidentified non-burial historic properties, or unanticipated effects are discovered, the Contractor shall follow the Hawaii Administrative Rules (HAR) Chapter 13-280 "Rules Governing General Procedures for Inadvertent Discoveries of Historic Properties During a Project Covered by the Historic Preservation Review Process".
- C. If human remains are discovered, HAR Title 13, Subtitle 13, Chapter 300 states that further disturbances and activities shall cease in any area or nearby area suspected to overlie remains and the State Historic Preservation Division and the Police Department will be contacted. The appropriate process would then proceed in conformance with HAR Section 13-300, Subchapter 4, "Procedures for Proper Treatment of Burial Sites and Human Skeletal Remains".
- D. The perimeter of the earthen ditch at Bridge 7E shall be avoided and appropriately protected with Construction Fencing a minimum of two meters (6'-6") from the top of the ditch for the duration of the project to avoid impacts that may result from signpost drivers during the installation of object and reflector markers. The installation, maintenance and removal of the protective fencing shall be the responsibility of the Contractor. Payment shall be incidental to various pay items and not paid for separately.
- E. The Contractor shall provide photographs of the installation of the Construction Fence to HDOT prior to the start of construction of the project. Each photograph shall be described and presented together in an organized format.

MAMMALIAN PROTECTION NOTES - Hawaiian Hoary Bat

- A. The Contractor shall incorporate the following measures to avoid and minimize project-related adverse effects to the Hawaiian hoary bat:
 - 1. There shall be no disturbance, removal, or trimming of woody plants greater than 15 feet (4.6 meters) tall during the Hawaiian Hoary bat birthing and pup rearing season (June 1 through September 15).
 - 2. Barbed wire shall not be used for fencing.

AVIAN PROTECTION NOTES - Hawaiian Seabirds

- A. The Contractor shall incorporate the following measures to avoid and minimize project-related adverse effects to Hawaiian seabirds (Hawaiian petrel, Newell's shearwater and Hawaii DPS of the band-rumped storm-petrel):
 - 1. Before beginning any work at the project site, the Contractor shall:
 - a. Collect information regarding the protection of seabirds and seabird fallout.
 - b. Submit to the Engineer for acceptance a protection of seabirds training plan including a detailed description of information and materials the Contractor intends to use in the training classes. The training plan shall be submitted to the Engineer for acceptance at least 15 days in advance of the class. If the Engineer rejects the training plan, the Contractor shall revise and promptly propose another training plan.

AVIAN PROTECTION NOTES - Hawaiian Seabirds (cont.)

- c. Disseminate information regarding the protection of seabirds and seabird fallout by conducting training classes for all employees, subcontractors, suppliers and other personnel working on the, including HDOT personnel, on such topics as the "Save Our Shearwater" (SOS) program, proper use of temporary lighting, procedures to store and report downed seabirds, and the consequences of non-compliance with the laws regarding threatened and endangered seabirds. The Engineer may request for additional topics related to seabirds to be included in the training classes. Training classes shall be taught by authorized representatives of the U.S. Fish and Wildlife Service (USFWS), the Department of Land and Natural Resources, the SOS program or other qualified personnel accepted by the Engineer.
 - d. Furnish the Engineer with evidence that the Contractor has held held training classes, including the dates of the classes, identify who conducted the training, and the content and nature of the training.
- B. The Contractor shall comply to the following construction requirements:
- 1. As directed by the Engineer, conduct additional training classes during the project to update all employees, subcontractors, suppliers, HDOT personnel and other personnel on new and/or updated information regarding the protection of seabirds and seabird fallout.
 - 2. No permanent streetlights shall be installed as part of the project.
 - 3. All temporary lights used for night work (between sunset and sunrise) shall contain less than 2% wavelengths less than 550 nm, and shall be downward-facing and shielded so the bulb can only be seen from below. Temporary lights shall include but are not limited to flood lights, light towers, lights for construction equipment and other lights as determined by the Engineer. All traffic control devices, including warning lights, arrow boards, portable changeable message signs and other lighting device as determined by the Engineer shall be shielded.
 - 4. Lights shall be turned off when human activity is not occurring in the lighted area, or install automatic motion sensor switches and timer controls on all outdoor lights.
 - 5. Nighttime construction and the use of all temporary lights shall cease during the peak seabird fledgling period (September 15 through December 15).
 - 6. Where fences extend above vegetation, integrate durable scare tape or bird deterrent into the fence to increase visibility and minimize fence strikes.
 - 7. For powerlines and other cables, exposure above vegetation height and vertical profile shall be minimized. NOTE: The height of the 3 - each telephone poles to be relocated shall not increase.
 - 8. Furnish and maintain a small (approximately 10" x 12" x 19"), portable cat kennel on site to temporarily hold a downed seabird. The Contractor shall obtain acceptance of the cat kennel from the Engineer prior to use.
 - 9. If a downed dead seabird is found, the Contractor shall contact the USFWS (Ms. Megan Laut at (808) 792-9400, the Kauai Branch Division of Forestry and Wildlife (DOFAW) Office at (808) 274-3433 or SOS at (808) 635-5117 within 24 hours.

AVIAN PROTECTION NOTES - Hawaiian Seabirds (CONT.)

- 10. If the downed seabird is alive, the Contractor shall:
 - a. Pick up the seabird from behind as soon as possible using a clean towel, t-shirt or cloth by gently wrapping it around its back and wings.
 - b. Place the seabird in the cat kennel and immediately contact the SOS Program Coordinator at 808-635-5117 for further instructions on where to deliver the seabird.
 - c. Deliver the seabird to the location determined by the coordinator of the SOS program and as directed by the Engineer.
 - d. Keep the seabird in a cool, quiet location and out of direct sunlight with adequate ventilation.
 - e. The Contractor and any personnel on-site shall not feed, provide water, handle or release the seabird.
- 11. The Contractor shall maintain records of all downed seabirds for the duration of the project. The records shall include the date, time, location and condition (dead or alive) the seabird was found and delivered. Submit a copy of the records to the Engineer after finding each and every downed seabird.

AVIAN PROTECTION NOTES - Hawaiian Waterbirds

- A. The Contractor shall incorporate these measures to avoid and minimize project-related adverse effects to Hawaiian waterbirds (Hawaiian stilt, Hawaiian coot, Hawaiian common gallinule, and the Hawaiian duck):
 - 1. In areas where known presence of Hawaiian waterbirds occurs, post, implement and enforce reduced speed limits, and inform project personnel and Contractors of the presence of these endangered species on-site.
 - 2. If water resources are located within or adjacent to the project site, incorporate USFWS Recommended Standard Best Management Practices (BMPs) for work in aquatic environments.
 - 3. Where appropriate habitat occurs within the vicinity of the project area, survey for Hawaiian waterbirds and nests prior to initiation of project work using survey biologists familiar with the species' biology. Survey biologists should be trained and capable of identifying adults and juveniles of each species, nesting behaviors, and nests. Repeat surveys again within three (3) days of project initiation and after any subsequent delay of work of 3 or more days (during which the birds may attempt to nest).

ORIGINAL PLAN	DATE
SURVEY PLOTTED BY	
DRAWN BY	
DESIGNED BY	
QUANTITIES BY	
CHECKED BY	
NAME	

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

HISTORIC PRESERVATION AND ENVIRONMENTAL PROTECTION NOTES

KAUAMUALII HIGHWAY SAFETY IMPROVEMENTS

Kipu Road to Omao Road
Fed-Aid Project No. HSIP-050-11044

Scale: NA Date: May 2024

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	HSIP-050-1(044)	2024	8	40

AVIAN PROTECTION NOTES - Hawaiian Waterbirds (cont.)

4. If a nest or active brood is found, the Contractor shall:
 - a. Contact the USFWS (Ms. Megan Laut at (808) 792-9400, the Kauai Branch Division of Forestry and Wildlife (DOFAW) Office at (808) 274-3433 or SOS at (808) 635-5117 within 24 hours.
 - b. Establish and maintain a 100-ft buffer around all active nests and/or broods until the chicks/ducklings have fledged. Do not conduct potentially disruptive activities or habitat alteration within this buffer.
 - c. A biological monitor that is familiar with the species' biology shall be present on the project site during all construction or earth moving activities until the chicks/ducklings fledge to ensure that Hawaiian waterbirds and nests are not adversely affected.

AVIAN PROTECTION NOTES - Hawaiian Goose

- A. The Contractor shall incorporate these measures to avoid and minimize project-related adverse effects to Hawaiian goose or nene:
 1. Nene in or near the project area shall not be approached, fed, or disturbed in any way.
 2. If nene are observed loafing, foraging, or otherwise present within the project area during the breeding season (September 1 through April 30), a trained biologist familiar with nene nesting behavior shall survey the area in and around the project area for nests prior to work each day. Surveys shall be repeated after any subsequent delay of work of three or more days (during which the birds may attempt to nest).
 3. If a nest is identified within a radius of 150 feet of the project area, or a previously undiscovered nest is found within the 150-foot radius after work begins, all work shall cease immediately and the Contractor shall contact the USFWS (Ms. Megan Laut at (808) 792-9400) or the Kauai Branch DOFAW Office at (808) 274-3433 for further guidance.
 4. Reduced speed limits shall be posted and implemented in areas where nene are known to be present, and project personnel and Contractors will be informed of the presence of endangered species on-site.
 5. There shall be no feeding of birds or dogs on the project site.

AVIAN PROTECTION NOTES - Hawaiian Short-Eared Owl

- A. The Contractor shall incorporate the following measures to avoid and minimize adverse effects to the Hawaiian Short-Eared Owl or pueo:
 1. If pueo are observed loafing, foraging, or otherwise present within the project area, conduct a line survey during crepuscular hours through the project area prior to any vegetative alteration, especially ground-based disturbance.
 2. If a pueo nest is discovered, establish and maintain a minimum buffer of 350 feet around the nest until the chicks are capable of flight.

BIOLOGICAL RESOURCE PROTECTION NOTES

- A. The Contractor shall take measures to reduce the spread of invasive species (e.g. Rapid Ohia Death, Coffee Leaf Rust, Little Fire Ants, False Kava, etc.):
 1. Minimize the movement of plant or soil material between work sites.
 2. All equipment, materials, and personnel should be cleaned of excess soil and debris to minimize the risk of spreading invasive species. Gear that may contain soil, such as work boots and vehicles, should be thoroughly cleaned with water and sprayed with 70 1/4 alcohol solution to prevent the spread of Rapid Ohia Death and other harmful fungal pathogens.
 3. Consult with the Kauai Invasive Species Committee (KISC) at (808) 821-1490 to learn of any high-risk invasive species in the area and ways to mitigate their spread during construction.
 4. The information and guidance at <https://cms.ctahr.hawaii.edu/rod> shall be reviewed and followed if ohia trees are present and will be removed.
- B. In accordance with the Hawaii Department of Agriculture (HDOA) approved Plant Quarantine Interim Rule 22-1, the Contractor shall restrict the movement of Coconut Rhinoceros Beetle (CRB) host material within or to and from the island of Oahu, which is defined as the Quarantine Area.
 1. Regulated material (host material or host plants) is considered a risk for potential CRB infestation.
 - a. Host material for the beetle specifically includes: entire dead trees, mulch, compost, trimmings, fruit and vegetative scraps and decaying stumps
 - b. Host plants include the live palm plants in the following genera: Washingtonia, Livistonia and Pritchardia (all commonly known as fan palms), Cocos (coconut palms), Phoenix (date palms) and Roystonea (royal palms)
 2. When such material or these specific plants are moved, there is a risk of spreading CRB because they may contain CRB in any life stage. Refer to the following website for more information regarding CRB: <https://dlnr.hawaii.gov/hisc/info/invasive-species-profiles/coconut-rhinoceros-beetle/>

WILDFIRE PROTECTION NOTES:

- A. The Contractor shall incorporate the following measures to reduce the risk of starting a wildfire:
 1. When engaging in activities that have a high risk of starting a wildfire (e.g. welding in grass), wet down the area before starting your task and continuously wet down the area as needed.
 2. When vision is impaired, such as when using eye protective gear for welding, use a spotter to watch for fire starts.
 3. A fire extinguisher shall always be on hand when engaging in activities that pose a high risk of starting a wildfire.
 4. For project specific action regarding how wildfire prevention can be addressed, coordinate with the Hawaii Wildfire Management Organization at (808) 850-0900 or admin@hawaiiwildfire.org.

ORIGINAL PLAN	SURVEY PLOTTED BY	DATE
NOTE BOOK	DRAWN BY	X
DESIGNED BY		
QUANTITIES BY		
CHECKED BY		

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Scale: NA Date: May 2024