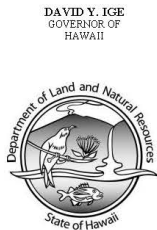


APPENDIX A



DAVID Y. IGE
GOVERNOR OF
HAWAII



STATE OF HAWAII DEPARTMENT OF LAND AND NATURAL RESOURCES

STATE HISTORIC PRESERVATION DIVISION
KAKUHIHEWA BUILDING
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ROBERT K. MASUDA
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M. KALEO MANUEL
DEPUTY DIRECTOR - WATER

AQUATIC RESOURCES
BOATING AND OCEAN RECREATION
BUREAU OF CONVEYANCES
COMMISSION ON WATER RESOURCE MANAGEMENT
CONSERVATION AND COASTAL LANDS
CONSERVATION AND RESOURCES ENFORCEMENT
ENGINEERING
FORESTRY AND WILDLIFE
HISTORIC PRESERVATION
KAHOOLAWE ISLAND RESERVE COMMISSION
LAND
STATE PARKS

October 5, 2021

Lawrence J. Dill, P.E.
District Engineer, Kaua'i, Highways Division
State of Hawai'i Department of Transportation
1720 Haleukana Street
Lihue, Hawai'i 96766
Email: Lawrence.j.Dill@hawaii.gov

IN REPLY REFER TO:
Project No.: 2021PR01064
Submission No.: 2021PR01064.001
Doc. No.: 2110SH01
Archaeology

Electronic Transmittal Only, No Hard Copy to Follow

Dear Lawrence Dill:

**SUBJECT: National Historic Preservation Act (NHPA) Section 106 Review –
Initiation of Consultation and Request for Concurrence with the Area of Potential Effects
Kuhio Highway Emergency Shoreline Mitigation Vicinity of Wailua Beach
Ref. No. HWY-K 4.210247, Federal Aid Project No. ER-24(004)
Wailua Ahupua'a, Puna District, Island of Kaua'i
TMK: (4) 3-9-006:012, (4) 4-1-004:001, (4) 4-1-004:020, (4) 4-1-004:999, (4) 4-1-005:004,
(4) 4-1-005:014, (4) 4-1-005:017, (4) 4-1-005:999**

The State Historic Preservation Division (SHPD) received a letter dated August 25, 2021 from the State of Hawai'i Department of Transportation (HDOT) on behalf of the Federal Highway Administration (FHWA) to initiate the Section 106 historic preservation review process and to request information and the State Historic Preservation Officer's (SHPO's) concurrence with the Area of Potential Effects for the Kuhio Highway Emergency Shoreline Mitigation project in the Vicinity of Wailua Beach on the island of Kaua'i. The SHPD received this submittal on August 30, 2021.

The proposed HDOT project will receive funding from the FHWA and has been determined a federal undertaking as defined in 36 CFR 800.16(y). Therefore, the proposed project is subject to compliance with Section 106 of the NHPA. Pursuant to the Programmatic Delegation of Authority (May 2016), the FHWA has delegated Section 106 consultation to the HDOT.

According to HDOT's letter, the Wailua Beach area on Kaua'i was impacted by a large storm in March 2021. The storm surge removed much of the protective beach sand dunes along with large sections of naupaka vegetation and large iron-wood trees and ultimately caused severe undermining of the highway infrastructure. On March 9, 2021, Governor David Ige issued an emergency proclamation to provide relief for disaster damages, losses, and suffering, as well as to protect the health, safety, and welfare of people. This project addresses the permanent repairs to prevent further damage to vulnerable assets.

HDOT is proposing an un-grouted rock revetment to protect the highway infrastructure from extreme events such as storm surges, wave run-up and hurricane force waves. Un-grouted riprap is described as a soft solution for coastal erosion to reduce wave energy and is preferred over a grouted riprap revetment by state agencies managing the coastal areas; ideally, in conjunction with revetments, a protective beach and sand dunes should be preserved due to concerns about the potential for "flanking erosion."

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Therefore, in addition to the un-grouted rock revetment, HDOT, in collaboration with the University of Hawai'i, is proposing a solution to restore the beach to protect the highway infrastructure from daily ocean forces. To do this economically, HDOT proposes to install a new, patented beach nourishment technology called Sandsaver. Sandsaver works by using the energy of breaking waves to thrust suspended sand particles up the beach at the same time, breaking down the energy of the waves, thereby building sand dunes back and reducing erosion to the beach and ultimately protecting the roadway. Along with the installation of the Sandsaver, HDOT will be re-grading the sand on the beach to its previous condition which was lost by previous storm events and wave action. The project is viewed as a prototype in Hawaii that can potentially be used in other areas to restore beaches.

To study the wave action along Wailua Beach, HDOT, in collaboration with UH, is proposing the placement of Acoustic Doppler Current Profilers (ADCPs) at various locations along the ocean floor. ADCPs gather the full wave spectrum and current velocity of the water column and transmit this data thru underwater cables to a solar powered telemetry system on land or will be retrieved manually. The Telemetry system will collect and report the system status and process wave data for transmission. All the information gathered thru the ADCP will assist in identifying the appropriate location and configuration of the sand savers.

Along with the improvements along the coast, HDOT is proposing the removal of a concrete slab, sandbags, concrete column, trees and debris, and installation of signs, traffic delineators, a concrete slab, boulders and naupaka plants.

The proposed project is located in Wailua. The Area of Potential Effects (APE) is defined as an approximately 0.36 mile long stretch along Kuhio Highway and its shoreline, beginning in the vicinity of Kuamoo Road on the Lihue side of the highway and extending toward the vicinity of Papaloa Road on the Hanalei side of the highway. The APE is roughly 2,030 feet wide throughout its length and extends from approximately the middle of Kuhio Highway's right-of-way makai, toward the ocean. All staging, and stockpiling will take place within the APE. The area of the APE is approximately 63 acres. Based on the information received, the SHPO has no objections to the APE as it is defined.

In response to HDOT's request for a contact list of potential consulting parties, the SHPD recommends HDOT refer to the Native Hawaiian Organization Notification List provided by the U.S. Department of the Interior and maintained by the Office of Native Hawaiian Relations. This can be referenced online at: <https://www.doi.gov/hawaiian/NHOL>. Additionally, we recommend expanding consultation to interested parties such as civic clubs and historic preservation interest groups such as Historic Hawai'i Foundation.

Per HDOT's request for SHPD to provide information identifying historic properties that may be within the APE, the SHPD recommends HDOT consult our library in Kapolei, archival records, and the State and National Register of Historic Places to identify previously documented historic properties that may be located within the APE. If adequate records of previously recorded architectural and/or archaeological historic properties within or closely nearby the APE do not exist, then additional efforts to identify archaeological and/or architectural historic properties may need to be conducted. The SHPD highly recommends consulting with our office prior to conducting any efforts to identify historic properties by means of a field survey or subsurface testing to ensure efforts are agreed to be adequate.

SHPD conducted a modest level of research and found that near TMK: (4) 3-9-006:012 and immediately adjacent to TMK: (4) 4-1-004:001, there is a previously identified burial located makai of the right-of-way. At TMK: (4) 4-4-1-005:014, burials have been encountered during the Coco Palms Resort project. Furthermore, the soil types within the APE are known to contain human remains and archaeological deposits. Overall, the APE is located in an area with high potential for human remains and archaeological resources to be encountered beneath the current ground surface. Archaeological monitoring for the purpose of identification during ground disturbance associated with this project may be warranted.

Please submit all forthcoming information and correspondence related to the subject project to the SHPD to [HICRIS Project No. 2021PR01064 using the Project Supplement option](#).

The SHPD looks forward to continuing the Section 106 process for the proposed project.

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The HDOT and FHWA are the offices of record for this undertaking. Please maintain a copy of this letter with your environmental review record for this undertaking.

Please contact Stephanie Hacker, Historic Preservation Archaeologist IV, at Stephanie.Hacker@hawaii.gov or at (808) 692-8046 for matters regarding archaeological resources or this letter.

Aloha,

Alan Downer

Alan S. Downer, PhD
Administrator, State Historic Preservation Division
Deputy State Historic Preservation Officer

cc: Eric Fujikawa, HDOT (Eric.j.Fujikawa@hawaii.gov)
Meesa Otani, FHWA (Meesa.Otani@hawaii.gov)
Todd Nishioka, WSP (Todd.Nishioka@wsp.com)