
APPENDIX A

EARLY CONSULTATION AND CORRESPONDENCE

APPENDIX A

The following correspondences include responses to early consultation requests from the following agencies. The content of this consultation has been incorporated into the analysis contained in this EA.

Federal Agencies

- * U.S. Fish and Wildlife Services
- * National Marine Fisheries Services

State Agencies

- * Department of Health (DOH)
- * Department of Defense
- * Department of Education
- * Department of Accounting and General Services (DAGS)
- * Office of Hawaiian Affairs (OHA)
- * Department of Hawaiian Home Lands (DHHL)
- * DLNR, State Historic Preservation Division
- * DLNR, Office of Conservation and Coastal Lands

County Agencies

- * Department of Planning
- * Department of Public Works
- * Fire Department
- * Police Department
- * Department of Environmental Management



United States Department of the Interior



FISH AND WILDLIFE SERVICE
Pacific Islands Fish and Wildlife Office
300 Ala Moana Boulevard, Room 3-122, Box 50088
Honolulu, Hawaii 96850

In Reply Refer To:
2011-TA-0279

Mr. Brian Campbell
Bow Engineering and Development, Inc.
1953 South Beretania Street, PH-A
Honolulu, Hawaii 96826

JUN 06 2011

Subject: Technical Assistance for the Preparation of a Draft Environmental Assessment for the Rehabilitation of Umauna Stream Bridge, Hawaii

Dear Mr. Campbell:

On May 6, 2011, we received a letter from Dr. Glenn Okimoto requesting our comments for the preparation of a Draft Environmental Assessment (EA) for the proposed Rehabilitation of Umauna Stream Bridge Project [Federal Aid Project Number BR-019-2(61)]. This project will include installing new concrete piers and replacing existing steel towers which will remain in a non-structural capacity and potentially rockfall mitigation. This response is in accordance with section 7 of the Endangered Species Act of 1973 (ESA), as amended (16 U.S.C. 1531 et seq.).

Based on information in our files, including data compiled by the Hawaii Biodiversity and Mapping Program, and the Hawaii GAP Program, the federally endangered Hawaiian hoary bat (*Lasiurus cinereus semotus*) and Hawaiian hawk (*Buteo solitarius*) have been observed in the vicinity of the proposed project. There is no federally designated critical habitat in the project footprint. To assist you in avoiding impacts to listed species we offer the following recommendations.

Hawaiian hoary bats roost in both exotic and native woody vegetation and leave their young unattended in "nursery" trees and shrubs when they forage. If trees or shrubs suitable for bat roosting are cleared during the bat breeding season (May to August), there is a risk that young bats could inadvertently be harmed or killed. To minimize impacts to the endangered Hawaiian hoary bat, woody plants greater than 15 feet (4.6 meters) tall should not be removed or trimmed during the bat-birthing and pup-rearing season (May 15 through August 15).

Hawaiian hawks also nest in both exotic and native woody vegetation. To avoid impacts to Hawaiian hawks we recommend avoiding brush and tree clearing during their breeding season (March through September). If you must clear the property during the Hawaiian hawk breeding season, we recommend conducting biological surveys to determine if Hawaiian hawk nests are in the vicinity. Please contact our office regarding survey methodology.

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Implementation of these recommendations does not alleviate your responsibilities pursuant to the ESA if a listed species may be affected by the proposed action. If you have any questions regarding this letter, please contact Dr. Jeff Zimpfer, Fish and Wildlife Biologist, Consultation and Habitat Conservation Planning Program (phone: 808-792-9431; email: jeff_zimpfer@fws.gov).

Sincerely,



for

Loyal Mehrhoff
Field Supervisor

U.S. Fish and Wildlife Services
June 6, 2011

This letter relates comments from the U.S. Fish and Wildlife Service in accordance with Section 7 of the Endangered Species Act (ESA). The letter identifies potential impacts to several listed species with implementation of the Rehabilitation of Umauma Stream Bridge project, and identifies recommended measures. The impacts of the proposed project on biological resources and ESA-listed species and required measures are discussed in Section 3.4 of the Draft Environmental Assessment.

Brian Campbell

From: Aydee Camunas-Zielke <Aydee.Camunas-Zielke@noaa.gov>
Sent: Friday, June 03, 2011 4:55 PM
To: eddie.chiu@hawaii.gov
Cc: nmfs.pir.hcd.efh.consult@noaa.gov
Subject: Hawaii Belt Road Rehabilitation of Umauma Stream Bridge Scoping and Pre-Assessment Consultation (Fed Aid Project No. BR-019-(61))

Aloha,

The NOAA Fisheries, Pacific Islands Regional Office, Habitat Conservation Division (HCD) has reviewed the Hawaii Belt Road Rehabilitation of Umauma Stream Bridge Scoping and Pre-Assessment Consultation (Fed Aid Project No. BR-019-(61)) as pursuant to the Magnuson-Steven Fishery Conservation and Management Act; Essential Fish Habitat (EFH). The project is located 16 miles north of Hilo District (Hawaii Island) along the Hamakua Coast. The project sites adjacent land use is mainly rural, residential, and agricultural.

The Umauma stream flows below the bridge, west to east, flowing directly into the Pacific Ocean. The project consist of widening and structural rehabilitation of the historic 110 ft. tall bridge. The existing bridge is approximately 28 ft. wide (curb-to-curb) and 39 ft.

(out-to-out) with the bridge deck half section consisting of 12-ft wide asphaltic concrete (AC) travel lane, 2-foot wide AC shoulder, 3.5 ft . wide concrete sidewalks (rasied 6 in. from roadway), and a 1 foot wide by 2.5 ft high railing. The existing bridge deck drain inlets currently discharge through a section of 4-inch pipes with a outlet approximately 4-feet below the bridge desk, allowing storm water to discharge to the atmosphere and fall to the ground/stream below.

The proposed project would include construction of support columns to be placed within and adjacent to the existing steel support towers, widening of the bridge deck and roadway shoulders, and construction of a new concrete railing. The deteriorating steel structure would be reinforced by constructing two main concrete and one smaller concrete tower within the existing steel towers to preserve the historically significant of the bridge structure. Constructibility challenges and structural load requirements make spread footing foundation systems the most likely foundation to be implemented for pier 1 and 2 which is adjacent to stream. The proposed concrete towers would be constructed outside of the normal stream flow. The bridge drain outlets will also be replaced with deck drains placed at certain locations to prevent stormwater from falling directly into the stream. The storm water would be filtered through natural vegetation on the stream bank before entering into the stream.

The type and extent of depend on the footing selected by the structural geotechnical engineer. Earth work information will be included in Draft Environmental Assessment (DEA). Other than earthwork from footing, there would be minor earthwork for drainage at the roadway approaches to the bridge. In addition the project includes implementation of rock fall mitigation measures. The area of potential rockfall and prevention measures will be describes in detail in the DEA. The construction staging is propsed to be located on the Hilo side of the bridge, mauka of the roadway. Construction equipment would also be staged adjacent to the bridge footings.

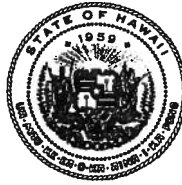
Although the project site is not technically located in EFH, the Umauma Stream connects to the Pacific Ocean within considerable proximity to the bridge. The HCD assumes that coral reef may be present (from surveys that documented coral reef habitat exist near the project site) near the mouth of the stream. When conducting field studies for the Draft EA, the DOT should consider surveying the area to confirm the presence of coral reef habitat. Our main concern with the temporary project construction and permanent structural changes is the potential of erosion smothering coral reef. We encourage that the designs proposed in the DEA include minimizing disturbances to stream banks and placing footing foundations outside of the floodplain. Also, specific erosion control measures in road construction plans should be developed to avoid potential impacts to the environment. Casting of road materials into streams should also be avoided. Roadway and associated stormwater collection systems should be maintained properly. Any earth work should be conducted during the dry season and construction equipment should be staged away from stream banks on high ground when ever possible. In addition, the stormwater drain outlets should be designed to avoid scouring and erosion of vegetated areas. Thank you for the opportunity to comment. Please do not hesitate to contact HCD should you have further questions.

Mahalo,

Aydee Zielke
Natural Resource Specialist
NOAA-Fisheries
Pacific Islands Regional Office
Habitat Conservation Division
808-944-2146
aydee.camunas-zielke@noaa.gov
http://www.fpir.noaa.gov/HCD/hcd_efh.html

National Marine Fisheries Services, NOAA Fisheries, Habitat Conservation Division
June 3, 2011

This letter relates comments from the NOAA Fisheries, Habitat Conservation Division, on their review of the proposed Rehabilitation of Umauma Stream Bridge project. The letter identifies concerns regarding potential impacts to coral reef habitat from erosion during construction. The proposed action includes a site-specific Best Management Practices (BMP) plan developed as part of the project to minimize erosion and sedimentation during construction, as discussed in Draft EA Section 3.1. Further, the conditions outlined in this letter were included as required measures of the Nationwide Permit issued by the Army Corps of Engineers for the project, and are identified in Section 3.2.



STATE OF HAWAII
DEPARTMENT OF HEALTH
P. O. BOX 3378
HONOLULU, HI 96801-3378

In reply, please refer to:
EMD/CWB

06018PSW.11

June 15, 2011

The Honorable Glenn M. Okimoto, Ph.D.
Director
Department of Transportation
869 Punchbowl Street
Honolulu, Hawaii 96813-5097

Dear Dr. Okimoto:

SUBJECT: Pre-Assessment Consultation for
Scoping and Rehabilitation of Umauma Stream Bridge,
Federal Aid Project No. BR 019-2(61)
Hilo, Island of Hawaii, Hawaii
TMK: (3) 3-1-001:015

The Department of Health, Clean Water Branch (CWB), has reviewed the document, received May 19, 2011, regarding the subject project and offers these comments. Please note that our review is based solely on the document for the subject project and its compliance with Hawaii Administrative Rules (HAR), Chapters 11-54 and 11-55. You may be responsible for fulfilling additional requirements related to our program. We recommend that you also read our standard comments on our website at

<http://hawaii.gov/health/environmental/env-planning/landuse/CWB-standardcomment.pdf>

1. Any project and its potential impacts to State waters must meet the following criteria:
 - a. Anti-degradation policy (HAR, Section 11-54-1.1), which requires that the existing uses and the level of water quality necessary to protect the existing uses of the receiving State water be maintained and protected.
 - b. Designated uses (HAR, Section 11-54-3), as determined by the classification of the receiving State waters.
 - c. Water quality criteria (HAR, Sections 11-54-4 through 11-54-8).
2. You are required to obtain a National Pollutant Discharge Elimination System (NPDES) permit for discharges of wastewater, including storm water runoff, into State surface waters (HAR, Chapter 11-55). For the following types of discharges into Class A or Class 2 State waters, you may apply for NPDES general permit coverage by submitting a Notice of Intent (NOI) form:

- a. Storm water associated with construction activities, including clearing, grading, and excavation, that result in the disturbance of equal to or greater than one (1) acre of total land area. The total land area includes a contiguous area where multiple separate and distinct construction activities may be taking place at different times on different schedules under a larger common plan of development or sale. This includes areas used for a construction base yard and the storage of any construction related equipment, material, and waste products. An NPDES permit is required before the start of the construction activities.
- b. Hydrotesting water,
- c. Construction dewatering effluent.

You must submit a separate NOI form for each type of discharge at least 30 calendar days prior to the start of the discharge activity, except when applying for coverage for discharges of storm water associated with construction activity. For this type of discharge, the NOI forms may be picked up at our office or downloaded from our website at <http://hawaii.gov/health/environmental/water/cleanwater/forms/genl-index.html>

3. For other types of wastewater not listed in Item No. 2 above or wastewater discharging into Class 1 or Class AA waters, an NPDES individual permit will need to be obtained. An application for an NPDES individual permit must be submitted at least 180 calendar days before the commencement of the discharge. The NPDES application forms may be picked up at our office or downloaded from our website at <http://hawaii.gov/health/environmental/water/cleanwater/forms/environmental/water/cleanwater/forms/indiv-index.html>
4. Please call the Army Corps of Engineers at (808) 438-9258 to determine which Department of the Army (DA) permit(s) shall be required for the subject project. Permits may be required for work performed in, over, and under navigable waters of the United States. Projects requiring a DA permit also require a Section 401 Water Quality Certification (WQC) from our office.
5. Please note that all discharges related to the project construction or operation activities, whether or not NPDES permit coverage and/or 401 WQC are required, must comply with the State's Water Quality Standards. Noncompliance with water quality requirements contained in HAR, Chapter 11-54, and/or permitting requirements, specified in HAR, Chapter 11-55, may be subject to penalties of \$25,000 per day per violation.

The Honorable Glenn M. Okimoto, Ph.D.
June 15, 2011
Page 3

06018PSW.11

If you have any questions, please visit our website at
<http://hawaii.gov/health/environmental/water/cleanwater/index.html>, or contact the Engineering
Section, CWB, at 586-4309.

Sincerely,



FOR

LORETTA J. FUDDY, A.C.S.W., M.P.H.
Director of Health

SW:ml

c: DOH-EPO #11-091[via email only]
Mr. Eddie Chiu, DOT-HWYS [via email eddie.chiu@hawaii.gov only]
Mr. Brian Campbell, Bow Engineering and Development, Inc.
[via email bcampbell@bowengineering.com only]

State of Hawai‘i, Department of Health, Clean Water Branch (CWB)
June 15, 2011

This letter relates comments from the CWB on the proposed Rehabilitation of Umauma Stream Bridge project. The letter provides details on compliance with Hawaii Administrative Rules (HAR), Chapters 11-54 and 11-55. Potential impacts to water quality as a result of the proposed project are evaluated in Draft EA Section 3.2. As described in this section, since construction activities would disturb approximately 0.87 acres (less than one acre of total land area), including construction staging area, an NPDES permit would not be required. A Department of Army Nationwide Permit Verification was issued for the project on August 17, 2011, and it is anticipated that the project will be covered under a blanket WQC for Nationwide Permits. Consultation with DOH to confirm WQC requirements has been initiated.

NEIL ABERCROMBIE
GOVERNOR

MAJOR GENERAL DARRYL D. M. WONG
DIRECTOR OF CIVIL DEFENSE

EDWARD T. TEIXEIRA
VICE DIRECTOR OF CIVIL DEFENSE



PHONE (808) 733-4300
FAX (808) 733-4287

STATE OF HAWAII
DEPARTMENT OF DEFENSE
OFFICE OF THE DIRECTOR OF CIVIL DEFENSE
3949 DIAMOND HEAD ROAD
HONOLULU, HAWAII 96816-4495

May 13, 2011

Mr. Brian Campbell
Bow Engineering & Development, Inc.
1953 South Beretania Street, PH-A
Honolulu, Hawaii 96826

Dear Mr. Campbell:

Hawaii Belt Road
Rehabilitation of Umauma Stream Bridge
Federal Aid Project No. BR-019-2(61)
Scoping and Pre-Assessment Consultation

Thank you for this opportunity to comment during the pre-assessment consultation period for the proposed project to widen and structurally rehabilitate the existing and historic Umauma Bridge.

We recommend that the retrofit design for bridge rehabilitation include measures as appropriate to mitigate flooding risks. Located in a designated conservation area, the Umauma Bridge is also listed on the National Historic Register and the proposed work will include upgrades to deck drains and earthwork for the bridge footings. We defer to the Department of Health, Department of Land and Natural Resources, and the US Army Corps of Engineers in regard to permit requirements and notification(s) of work to be performed and completed.

We are not aware of environmental or social resources associated with the proposed project. We are aware that the University of Hawaii is conducting a Landslide Hazard Mapping project on Hawaii Island, and recommend your staff contact Mr. Peter Nicholson, Associate Professor - Geotechnical Engineering, Department of Civil and Environmental Engineering, University of Hawaii at Manoa, 2540 Dole Street, #383, Honolulu, Hawaii 96822, and (808) 956-2378.

We look forward to a copy of the Environmental Assessment once it is completed. If you have any questions, please have your staff contact Ms. Dawn Johnson at (808) 733-4300.

Sincerely,

EDWARD T. TEIXEIRA
Vice Director of Civil Defense

State of Hawaii, Department of Defense, Office of the Director of Civil Defense
May 13, 2011

This letter in from the Hawai'i Department of Defense recommends that measures are included to mitigate flood risks. As described in Section 3.3, site-specific BMPs included as part of the project include measures to be taken in the event of intense rainfall, weather, or increased stream flows. These measures include relocation of personnel and construction materials and equipment to higher ground (a minimum of 10 feet above the OHWM). The letter recommends contacting personnel involved in the Landslide Hazard Mapping project on Hawai'i Island. Attempts at contacting personnel were made in July 2011, though with no response. The project includes rock fall prevention measures for identified areas of concern as described in Section 3.1.



STATE OF HAWAII
DEPARTMENT OF EDUCATION
P.O. BOX 2360
HONOLULU, HAWAII 96804

OFFICE OF THE SUPERINTENDENT

May 23, 2011

Mr. Brian Campbell
Bow Engineering & Development, Inc.
1953 South Beretania Street, PH-A
Honolulu, Hawaii 96826

Dear Mr. Campbell:

Subject: Hawaii Belt Road, Rehabilitation of Umauma Stream Bridge, Federal Aid
Project No. BR-019-2(61), Scoping and Pre-Assessment Consultation

The Department of Education (DOE) has reviewed the scoping and pre-assessment consultation request for the rehabilitation of Umauma Stream Bridge.

The DOE has no comment regarding this project.

Thank you for the opportunity to provide comments. If you have any questions, please call Jeremy Kwock of the Facilities Development Branch at 377-8301.

Very truly yours,

A handwritten signature in blue ink, appearing to read "K. Matayoshi".

Kathryn S. Matayoshi
Superintendent

KSM:jmb

c: Randolph Moore, Assistant Superintendent, OSFSS
Valerie Takata, CAS, Hilo/Laupahoehoe/Waiakea Complex Areas

State of Hawai‘i, Department of Education
May 23, 2011

This letter indicates that the Department of Education has no comment regarding this project.

NEIL ABERCROMBIE
GOVERNOR



BRUCE A. COPPA
COMPTROLLER

RYAN T. OKAHARA
DEPUTY COMPTROLLER

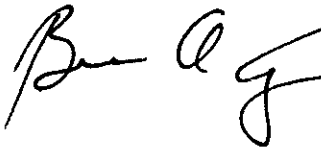
STATE OF HAWAII
DEPARTMENT OF ACCOUNTING AND GENERAL SERVICES
P.O. BOX 119, HONOLULU, HAWAII 96810-0119

(P)1107.1

MAY 24 2011

MEMORANDUM

TO: The Honorable Glen M. Okimoto, Ph. D
Department of Transportation

FROM: Bruce A. Coppa
State Comptroller 

SUBJECT: Hawaii Belt Road
Rehabilitation of Umauma Stream Bridge
Federal Aid Project No. BR-019-2(61)
Scoping and Pre-Assessment Consultation

This is in response to your letter, dated May 5, 2011 regarding the subject project. The proposed project does not impact any of the Department of Accounting and General Services' projects or existing facilities, and we have no comments to offer at this time.

If you have any questions, please call me at 586-0400, or have your staff call Mr. David DePonte of the Public Works Division at 586-0492.

c:  Mr. Brian Campbell, Bow Engineering and Development
Mr. Jerry Watanabe, DAGS-Hawaii

State of Hawai‘i, Department of Accounting and General Services
May 24, 2011

This letter indicates that the Department of Accounting and General Services has no comment regarding this project.



STATE OF HAWAII
OFFICE OF HAWAIIAN AFFAIRS
711 KAPI'OLANI BOULEVARD, SUITE 500
HONOLULU, HAWAII 96813

HRD11/5725

May 24, 2011

Brian Campbell
Bow Engineering & Development, Inc.
1953 South Beretania Street, PH-A
Honolulu, Hawaii'i 96826

Re: Umauma Steam Bridge Rehabilitation Project
Island of Hawai'i

Aloha e Brian Campbell,

The Office of Hawaiian Affairs (OHA) is in receipt of a May 5, 2011 letter from the State of Hawai'i-Department of Transportation (HDOT) seeking comments ahead of the proposed Umauma Stream Bridge Rehabilitation Project (project) on the Island of Hawai'i. Project activities include the widening and structural rehabilitation of the existing Umauma Steam Bridge (bridge) and possibly rock fall mitigation. A variety of State and County of Hawai'i permits and approvals will be required to facilitate this project. Because funding from the Federal Highways Administration will be utilized, provisions of the National Historic Preservation Act (NHPA) and National Environmental Policy Act (NEPA) are applicable.

This bridge is eligible for listing on the National Register of Historic Places under multiple criteria. OHA advocates that NHPA consultation be initiated with interested parties to develop appropriate mitigation for any adverse effects this project will have on the bridge. OHA does not assign religious or cultural significance to this bridge and thus, will defer NHPA consultation to other consulting parties with expertise and interest in this matter. We do seek assurances that an appropriate level effort to identify historic properties within the area of potential effect (APE) for this project be conducted pursuant to the requirements of the NHPA. After a review of our records, we are unaware of any historic properties of religious or cultural significance to the Native Hawaiian people which may be impacted by this project at this time.

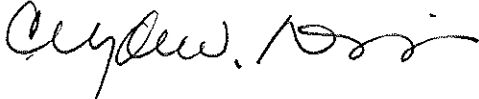
OHA advocates that best management practices be implemented and employed for the duration or project activities to protect stream and near-shore water quality and species. If re-vegetation efforts are a component of this project, we respectfully suggest you consider using native plant species which are common and adapted to the project area.

Thank you for the opportunity to provide comments at this early stage of the project. We look forward to seeing this project completed as it will contribute to the safety of the Hawai'i Island community traveling along the Hāmākua and Hilo coastline. We appreciate the detailed

Brian Campbell
Bow Engineering & Development, Inc.
May 24, 2011
Page 2 of 2

information which is included in the HDOT letter regarding the permits and approvals which will be required for the project and the scope of work which is proposed. OHA acknowledges that a NEPA Categorical Exclusion is anticipated for this project. Should you have any questions or concerns, please contact Keola Lindsey at 594-0244 or keolal@oha.org.

‘O wau iho nō me ka ‘oia‘i‘o,



Clyde W. Nāmu‘o
Chief Executive Officer

C: OHA- East Hawai‘i COC
Pat Phung, FHWA
Eddie Chiu, HDOT-Technical Design Services Office

State of Hawai‘i, Office of Hawaiian Affairs (OHA)
May 24, 2011

This letter from OHA recommends that appropriate consultation be conducted to ensure historic resources are protected. OHA states that their records do not indicate any historic properties of religious or cultural significance to the Native Hawaiian people would be impacted with project implementation. Potential impacts to historic and cultural resources are described in Section 3.5 of the EA, and mitigation measures are included to avoid adverse affects to the historic bridge.

The letter also recommends that stream and near-shore water quality and species are protected during construction, and that native plant species are used for re-vegetation. The proposed action includes a site-specific Best Management Practices (BMP) plan developed as part of the project to minimize erosion and sedimentation during construction, as discussed in Draft EA Section 3.1. Potential impacts to water quality as a result of the proposed project are evaluated in Draft EA Section 3.2. As discussed in Section 3.4, the proposed project would result in the removal of all existing vegetation within the grading limits shown on Figure 5 of the Draft EA; these areas would be re-grassed following construction to prevent erosion, and would later be re-colonized by localized grasses and plants.

NEIL ABERCROMBIE
GOVERNOR
STATE OF HAWAII



ALBERT "ALAPAKI" NAHALE-A
CHAIRMAN
HAWAIIAN HOMES COMMISSION

ROBERT J. HALL
DEPUTY TO THE CHAIRMAN

STATE OF HAWAII
DEPARTMENT OF HAWAIIAN HOME LANDS

P.O. BOX 1879
HONOLULU, HAWAII 96805

June 2, 2011

TO: The Honorable Glenn M. Okimoto, Ph.D.
Director of Transportation

From: Albert "Alapaki" Nahale-a
Chairman

Subject: HAWAII BELT ROAD
REHABILITATION OF UMAUMA STREAM BRIDGE
FEDERAL AID PROJECT NO. BR-019-2(61)
SCOPING AND PRE-ASSESSMENT CONSULTATION

Mahalo for the opportunity to review the subject document.

The department understands the importance of rehabilitating our Hawaii Belt Road system for the movement of people and goods, particularly between our homestead communities, in a safe and efficient manner. The proposed highway bridge improvement will have positive impacts for this objective.

If you have any questions, please contact our Planning Office at 620-9481.

cc: Mr. Brian Campbell
Bow Engineering & Development, Inc.
1953 South Beretania Street, PH-A
Honolulu, Hawaii 96826

State of Hawai‘i, Department of Hawaiian Home Lands (DHHL)
June 2, 2011

This letter indicates that the DHHL recognizes the importance of this project for transportation safety and efficiency, and notes the positive impacts from the proposed improvements.

LINDA LINGLE
GOVERNOR OF HAWAII



STATE OF HAWAII
DEPARTMENT OF LAND AND NATURAL RESOURCES

POST OFFICE BOX 621
HONOLULU, HAWAII 96809

LAURA H. THIELEN
CHAIRPERSON
BOARD OF LAND AND NATURAL RESOURCES
COMMISSION ON WATER RESOURCE MANAGEMENT

RUSSELL Y. TSUJI
FIRST DEPUTY

KEN C. KAWAHARA
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

May 17, 2010

Mr. Domingo Galicinao
Federal Highway Administration
Hawaii Division
P.O. Box 50206
Honolulu, Hawaii 96850

LOG NO:2010.1889
DOC NO:1005MA10

Architecture

Dear Mr. Galicinao:

**SUBJECT: Section 106 and Section 6E-8, HRS Review
Rehabilitation of Umauma Stream Bridge
State of Hawaii, Department of Transportation
TMK: 3-1-001: no plat number as a bridge**

On April 29, 2010, we received the State Department of Transportation's (DOT) memorandum of April 27, 2010, concerning the rehabilitation of Umauma Bridge on the island of Hawaii's Hamakua Coast, and we thank you for the opportunity to comment on this partially federally funded undertaking. The bridge appears to meet the criteria for listing in the Hawaii and National Registers of Historic Places, and has been so identified in a 1987 Hawaii Island bridge inventory undertaken by the DOT in 1987 and in the DOT's more recent draft statewide inventory of historic bridges. The Area of Potential Effect is the bridge structure and the lands upon which the steel trestles sit.

We have reviewed the potential effects, by consulting the attached preliminary drawings, draft multiple property National Register nomination form, and information contained in DOT's cover memorandum. Based on our examination, we concur with FHWA's determination that, Pursuant to 800.5 (b), the project will result in "**no adverse effect**" **provided the FHWA ensures the following conditions are fulfilled:**

1. The trestles and steel girders are retained.
2. Color the center concrete column a color such that the trestles will be more visually dominant.
3. Paint the trestles with a coating more long term to alleviate the corrosion problems necessitating the rehabilitation project.
4. Additional girders will resemble, but to the trained eye not duplicate, the originals.
5. The look and feel of the bridge is maintained as presented in Option 1.
6. DOT provide the requested additional photographic documentation.
7. Submit the Steel Trestle Bridges of the Hamakua Coast multiple property nomination to the Hawaii Historic Places Review Board for consideration within one year of this letter.
8. Retain the Hamilton & Chalmers plaque that is affixed to the bridge's present superstructure.

9. Continue to consult with the Hawaii SHPO throughout the schematic, design development and final design stages to ensure the work conforms to the Secretary of Interior's Standards for Rehabilitation.

While there is low probability of encountering archaeological sites in this area, in the event that historic resources, including human skeletal remains, are identified during the construction activities, all work needs to cease in the immediate vicinity of the find, the find needs to be protected from additional disturbance, and the State Historic Preservation Division, Oahu Section, needs to be contacted immediately.

With the above conditions in mind, the office concurs with this proposed project in accordance with Section 6E-8, HRS.

Should you have any questions regarding architectural concerns, please contact Nancy A. McMahon at (808) 692-8015.

Aloha,



Nancy A. McMahon (Deputy SHPO)
State Historic Preservation Officer

cc. National Park Service
Attention: Mr. Frank Hays
Box 50165
Honolulu, HI 96850

Henry Kennedy
Hawaii Department of Transportation
555 Kamokila Boulevard
Kapolei, Hawaii 96707

Tonia Moy
Fung Associates
1833 Kalakaua Avenue, Suite 1008
Honolulu, Hawaii 96815

George Gutierrez Jr.
Nagamine Okawa Engineers, Inc.
1003 Bishop Street
Pauahi Tower, suite 2025
Honolulu, Hawaii 96813

State of Hawaii, Department of Land and Natural Resources, State Historic Preservation
Division
May 17, 2011

This letter relates comments from the SHPD, on their review of the proposed Rehabilitation of Umauma Stream Bridge project. The letter concurs that the project would result in “no adverse effect” with implementation of conditions. Potential impacts to historic and cultural resources are described in Section 3.5 of the Draft EA, and conditions as outlined in this letter are included to avoid adverse affects to the historic bridge.

From: Kimberly.Mills@hawaii.gov
Subject: **Re: Rehabilitation of Umauma Bridge**
Date: July 7, 2011 6:35:22 PM EDT
To: Raadha Jacobstein <raadhabj@gmail.com>
Cc: Sam.J.Lemmo@hawaii.gov
▶ 2 Attachments, 5.1 MB



Hi,

It is unclear if the bridge actually lies in the Conservation District as it appears the roadway is the boundary between CD and another State land use district. The land makai of the bridge appears to lie within the Conservation District, resource subzone.

The bridge appears to be a nonconforming structure, created after 1912 and improved upon in 1955, prior to Conservation District rules (1964). 183C-5, HRS allows for the continued use of nonconforming structures.

As the majority of work shall take place within the Right of Way and the staging area is on the mauka side of the road, both these areas are outside of our jurisdiction, therefore we have no comments.

~Tiger
Kimberly K. Tiger Mills, Staff Planner
State of Hawaii
Department of Land & Natural Resources
Office of Conservation and Coastal Lands
P.O. Box 621
Honolulu, Hawaii 96809
www.hawaii.gov/dlnr/occl

CONFIDENTIALITY NOTICE: DO NOT share inappropriate or confidential information here as this information may be considered part of the public record.

Raadha Jacobstein <raadhabj@gmail.com>

07/07/2011 10:45 AM

To kimberly.mills@hawaii.gov

cc

Subject Rehabilitation of Umauma Bridge

Tiger,
enclosed is a draft of the letter that would have gone to your office, in addition to a project description to assist you in your review. Please let me know if you have any questions.



[OCCL copy o...pdf \(63.9 KB\)](#)

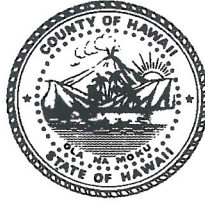


[PD Umaumapdf \(5.0 MB\)](#)

State of Hawai‘i, Department of Land and Natural Resources, Office of Conservation and Coastal Lands (OCCL)
July 7, 2011

This letter from OCCL states that because the majority of work will take place within the Right of Way, and the staging area is not located within the Conservation District, both areas are outside of OCCL jurisdiction. Permits and approvals required to implement the proposed action are outlined in Section 1.5 of the Draft EA. A discussion of land use controls applicable to the project is included in Section 3.12 of the Draft EA.

William P. Kenoi
Mayor



BJ Leithead Todd
Director

Margaret K. Masunaga
Deputy

SP 05-02-11 2:42:33 PM

County of Hawai'i

PLANNING DEPARTMENT

Aupuni Center • 101 Pauahi Street, Suite 3 • Hilo, Hawai'i 96720
Phone (808) 961-8288 • Fax (808) 961-8742

May 26, 2011

Mr. Glenn M. Okimoto, Director
Department of Transportation
869 Punchbowl Street
Honolulu, HI 96813-5097

2011 JUN -7 A 8:47
DIRECTOR'S OFFICE
DEPT OF
TRANSPORTATION

Dear Mr. Okimoto:

SUBJECT: Scoping and Pre-Assessment Consultation for Draft Environmental Assessment

Project: Rehabilitation of Umauma Stream Bridge

TMK: (3) 3-1-001:015; Kamae'e, North Hilo, Hawai'i

Thank you for your letter dated April 29, 2011 requesting comments from this office regarding the preparation of a Draft Environmental Assessment (EA).

The Umauma Bridge carries the Hawai'i Belt Road over Umauma Stream, along the Hāmākua Coast. The proposed project is to construct bridge widening and structural rehabilitation of the existing historic Umauma Bridge. The existing bridge would remain open and in use as the improvements are constructed. The bridge is located entirely within the State right-of-way. The construction staging area is proposed to be located on the subject property. Construction equipment would also be staged adjacent to the bridge footings and would be within State right-of-way.

The subject parcel and surrounding properties are zoned A-20a (Agricultural-20 acre minimum lot size). The properties are situated within the State Land Use Agricultural and Conservation districts. The project area is within the Special Management Area (SMA).

According to Hawaii Revised Statutes (HRS) Chapter 205A-22 and Planning Commission Rule 9-4(e) (2) (B) relating to Special Management Area, "development" does not include "Repair or maintenance of roads and highways within existing rights-of-way." Therefore, we have determined that the proposed bridge rehabilitation is

Mr. Glenn M. Okimoto, Director
Department of Transportation
May 26, 2011
Page 2

considered exempt from the definition of "development". Further review of the project against the Special Management Area rules and regulations will not be required.

The project site is located in the Hāmākua Community Development Plan (CDP) planning area. The Hāmākua CDP has not yet been adopted and is currently in the planning process. However, should it be adopted prior to the preparation of the Draft EA, please include a discussion about the project in relationship to the objectives, goals, and policies of the Hāmākua CDP.

Please also note that this bridge is regularly frequented by pedestrians viewing the waterfalls on Umauma Stream. Although the rehabilitation will create wider shoulders and new concrete railing for increased vehicular and bike safety, we have great concern for the safety of the pedestrians that will continue to use the bridge as a viewing point. Please consider the pedestrian safety when finalizing the design and the design alternatives.

We have no further comments to offer, at this time. However, please keep us informed and provide our department with a copy of the Draft Environmental Assessment for our review and comment.

If you have any questions or if you need further assistance, please feel free to contact Bethany Morrison of this office at 961-8138.

Sincerely,


for BJ LEITHEAD TODD
Planning Director

BJM:cs
P:\wpwin60\Bethany\EA-EIS Review\preconsultdrafteaUmaumabridgerehabilitation.doc

County of Hawai‘i, Planning Department
May 26, 2011

This letter from the County Planning Department states that the project is located within the Special Management Area (SMA); however, the Planning Department has determined that the proposed bridge rehabilitation project considered exempt from the definition of “development,” and SMA rules would not apply. The County requests that the Draft EA include a discussion of the project in relation to the Hāmākua Community Development Plan should it be adopted prior to release of the Draft EA. Permits and approvals required to implement the proposed action are outlined in Section 1.5 of the Draft EA. A discussion of land use controls applicable to the project is included in Section 3.12 of the Draft EA.

The letter also notes that pedestrians are known to frequent the bridge for views of the waterfalls, and their safety should be considered in the design of the project. As noted in the Draft EA Section 1.2, one of the identified project objectives is to bring the roadway up to current safety standards while also satisfying State Historic Preservation Division historical requirements.

William P. Kenoi
Mayor

William T. Takaba
Managing Director



Warren H. W. Lee
Director

Brandon A. K. Gonzalez
Deputy Director

County of Hawai'i
DEPARTMENT OF PUBLIC WORKS
Aupuni Center
101 Pauahi Street, Suite 7 • Hilo, Hawaii 96720-4224
(808) 961-8321 • Fax (808) 961-8630

June 2, 2011

Glenn M. Okimoto, Ph.D.
Director of Transportation
State of Hawaii
869 Punchbowl Street
Honolulu, HI 96813-5097

DIRECTOR'S OFFICE
DEPT. OF
TRANSPORTATION
2011 JUN -7 P 12:39

SUBJECT: REHABILITATION OF UMAUMA STREAM BRIDGE
Hawaii Belt Road - Federal Aid Project No. BR-019-2(61)
Scoping and Pre-Assessment Consultation
Construction Staging - Tax Map Key: (3) 3-1-01: 015


We have reviewed the subject project as described in your letter dated May 5, 2011 and offer the following comments for your consideration.

The subject project is in an area that is not mapped by the Federal Emergency Management Agency (FEMA) and is identified as an area of "Minimal Tsunami Inundation." The National Flood Insurance Program does not have any regulations for developments within the Minimal Tsunami Inundation areas and Zone X.

All earthwork activity, including grading and grubbing, shall conform to Chapter 10, Erosion and Sedimentation Control, of the Hawaii County Code.

We note that there are no planned projects by this department within the subject project's vicinity.

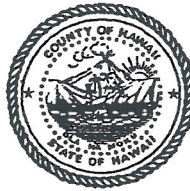
Questions may be referred to Mr. Kelly Gomes, P.E. of the Engineering Division at (808) 961-8327.


for BEN E. ISHII, Division Chief
Engineering Division

County of Hawai'i, Department of Public Works
June 2, 2011

This letter from the County Department of Public Works states that the project is located in an area not mapped by the Federal Emergency Management Agency. The letter also states that all earthwork activity shall conform to Hawai'i County Code Chapter 10, Erosion and Sedimentation Control. Potential flooding at the project site is discussed in Section 3.3 of the Draft EA. The proposed action includes a site-specific Best Management Practices (BMP) plan developed as part of the project to minimize erosion and sedimentation during construction, in addition to compliance with Hawai'i County Code, as discussed in Draft EA Section 3.1.

William P. Kenoi
Mayor



DIR OLIVEIRA
Darryl J. Oliveira
Fire Chief

Glen P. I. Honda
Deputy Fire Chief

County of Hawai'i
HAWAII FIRE DEPARTMENT
25 Aupuni Street • Suite 2501 • Hilo, Hawai'i 96720
(808) 932-2900 • Fax (808) 932-2928

May 12, 2011

Mr. Glenn M. Okimoto, Ph.D.
State of Hawai'i
Department of Transportation
869 Punchbowl Street
Honolulu, Hawai'i 96813-5097

DIRECTOR'S OFFICE
DEPT. OF
TRANSPORTATION
2011 MAY 23 P 2:09

SUBJECT: SCOPING AND PRE-ASSESSMENT CONSULT
HAWAII BELT ROAD, REHABILITATION OF UMAUMA STREAM BRIDGE,
FEDERAL AID PROJECT NO. BR-019-2 (61)

We have no comments to offer at this time in reference to the above-mentioned project.


DARRYL OLIVEIRA
Fire Chief

GA:lpc

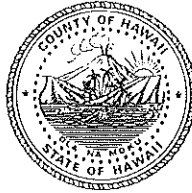
DEPT OF TRANSPORTATION
2011 MAY 24 A 9:22
HIGHWAYS DIVISION



County of Hawai‘i, Hawai‘i Fire Department
May 12, 2011

This letter indicates that the Hawai‘i Fire Department has no comment regarding this project.

William P. Kenoi
Mayor



Harry S. Kubojiri
Police Chief

Paul K. Ferreira
Deputy Police Chief

County of Hawai'i

POLICE DEPARTMENT

349 Kapiolani Street • Hilo, Hawai'i 96720-3998
(808) 935-3311 • Fax (808) 961-8865

May 9, 2011

Mr. Brian Campbell
Bow Engineering & Development, Inc.
1953 South Beretania Street, PH-A
Honolulu, HI 96826

Dear Mr. Campbell:

SUBJECT: HAWAII BELT ROAD
REHABILITATION OF UMAUMA STREAM BRIDGE
FEDERAL AID PROJECT NO. BR-019-2(61)
SCOPING AND PRE-ASSESSMENT CONSULTATION

Staff has reviewed the above-referenced document and does not anticipate any significant impact to traffic and/or public safety concerns.

If you have any questions, please contact Captain Mitchell Kanehailua of the North Hilo and Hamakua Districts at (808) 775-7533.

Sincerely,

A handwritten signature in black ink, appearing to read "SDT", is written over the printed name "SAMUEL THOMAS".

SAMUEL THOMAS
ACTING ASSISTANT POLICE CHIEF
AREA I OPERATIONS BUREAU

MK:lli

cc: Glenn M. Okimoto, Ph.D., Director of Transportation

County of Hawai'i, Police Department
May 9, 2011

This letter indicates that the County Police Department does not anticipate significant impacts to traffic or public safety as a result of this project. A discussion of potential impacts to traffic is included in Section 3.11 of the Draft EA.

From: "Henry, Sharron" <shenry@co.hawaii.hi.us>
Date: May 18, 2011 2:33:24 PM HST
To: "eddie.chiu@hawaii.gov" <eddie.chiu@hawaii.gov>, Brian Campbell <BCampbell@bowengineering.com>
Subject: **Hawaii Belt Road - Co. of HI input**

SUBJECT: Hawai'i Belt Road
 Rehabilitation of Umauma Stream Bridge
 Federal Aid Project No. BR-019-2(61)
 Scoping & Pre-Assessment Consultation

The Department of Environmental Management has no knowledge of any environmental or social resources via our department associated with this project.

Sharron Henry
Secretary to the Director
County of Hawai'i
Department of Environmental Management
Mailing Address: 25 Aupuni Street
Physical Address: Puainako Town Center,
 2100 Kanoelehua
 Hilo, HI 96720
Phone: 808.961.8083 or 808.981.8398
Fax: 808.961.8086 or 808.981.2092
Email: schenry@co.hawaii.hi.us
 cohdem@co.hawaii.hi.us
http://co.hawaii.hi.us/directory/dir_envmng.htm

Hawai'i County is an equal opportunity provider and employer

County of Hawai'i, Department of Environmental Management
May 18, 2011

This letter indicates that the Department of Environmental Management has no knowledge of environmental or social resources associated with the project, and therefore has no comment regarding this project.