November 20, 1995

Hugh Ono, Administrator
Highways Division
Department of Transportation
869 Punchbowl Street
Honolulu, Hawaii 96813

Attention: Allan Nishimura

Dear Mr. Ono:

Subject: Final Environmental Assessment (FEA)/Negative Declaration for Kaumualii Highway Rock Revetment at Kekaha, Kauai, Federal-Aid Project No. ER-11(2), TMK: 1-3-05:1 (HD-DD 2.2313)

This FEA/negative declaration has been published in the November 8th, 1995, Environmental Notice (formerly the OEQC Bulletin). We are writing to bring to the attention of your department that the state administration has developed new policies regarding seawalls and revetments.

As you are probably aware, our islands are experiencing dramatic beach erosion in many areas. This loss of sandy beaches can be exacerbated by shoreline hardening projects. Because many state-owned coastal highways have already experienced wave damage and DOT is working to protect them with revetments or walls, your department is a key player in protecting beaches.

The Office of Environmental Quality Control, in conjunction with the Office of State Planning, Department of Land and Natural Resources and other agencies, has developed a new standard of information and analysis that should be included in an environmental assessment of a shoreline hardening project. We have enclosed a list of informational items that we will ask for in all future seawall projects.
We realize that it may be burdensome on your department to do the additional analyses that the new state policy requires. We can assist you by referring you to those in state government with the appropriate expertise.

If you have any questions, please call our office at 586-4185.

Sincerely,

Gary Gill

GG/nh
Enc.
FINAL ENVIRONMENTAL ASSESSMENT
KAUMUALI HIGHWAY
ROCK REVETMENT AT KEKALA
FEDERAL AID PROJECT NO. ER-11(2)
OCTOBER 11, 1995

PROPOSING AGENCY: State Department of Transportation
Highways Division

APPROVING AGENCY: The Governor will be the approving agency because this project uses State funds.

AGENCIES CONSULTED:

This project is a continuation of an existing 1.73 mile long rock revetment at Kekaha (EIS issued 1973). The following agencies were contacted as part of that process and coordination is ongoing as appropriate.

Federal Agencies: U.S. Army Corps of Engineers
U.S. Department of Commerce, National Marine Fisheries Service
U. S. Department of the Interior, Fish and Wildlife Service

State Agencies: Department of Business and Economic Development and Tourism
Department of Health
Department of Land and Natural Resources
Office of State Planning

County of Kauai: Planning Department
Department of Public Works
Department of Water Supply
Office of Economic Development
Citizens Electric Company
GTE Hawaiian Telephone Company
Garden Island Cablevision L P
Sierra Club Hawaii Chapter Kauai Group
PROJECT CHARACTERISTICS:

GENERAL: The State Department of Transportation, Highways Division is proposing to build a sloped rock revetment at Kekaha. The proposed revetment is located along Kaumualii Highway between Aukuu Road and Manu Road, from mile post 25.41 to mile post 25.16. The proposed revetment will extend an existing 1.73 mile long revetment built in the 1980's. (See Figure 1)

This section of roadway has recently been subjected to frequent storms and two hurricanes, Hurricane Iwa in 1982, and Hurricane Iniki in 1992. Due to these storms, portions of Kaumualii Highway have been closed off, greatly limiting the mobility of Kekaha residents. Because the existing shoulder has been eroded by Hurricane Iniki, the roadway bed is in danger of being undermined. Apparently the existing rock revetment has protected Kaumualii Highway since that section of the highway along the existing rock revetment was not damaged during Hurricane Iniki. Therefore, this project will be a continuation of the current revetment adjoining this project area.

The State Land Use Commission determined that the project site is urban (See Attachment A). The conservation boundary is determined by a certified shoreline (See Attachment B). The Department of Land and Natural Resources zone this project site in the resource subzone (See Attachment C).

TECHNICAL: The proposed project shall consist primarily of constructing a sloped rock revetment along Kaumualii Highway (Route 50), in Kekaha, on the Island of Kauai. The new revetment shall be approximately 0.25 miles long. After excavation for the footing, a layer of geotextile fabric will protect the fines from eroding. Then a two foot wide sloped bedding layer of 200-500 pound stones will be placed upon the geotextile fabric. Two layers of 6.8 feet wide 2-4 ton armor stones with at least 50% of the armor stones greater than 3 tons will be placed upon the bedding layer. The voids in the revetment will be filled with sand. The excavation for the footing will be to the reef or elevation -4.3 feet. If the reef
encountered during the excavation, then the bedding layer will be eliminated. The proposed project will be parallel to Kaumualii Highway. Figures 2 and 3 show the proposed work.

This project is unique and specific to the site and no other sites are available. Other methods of design are the installation of dolos, tribars or other precast concrete energy absorbing system. These systems would possibly prevent some undesirable visual impacts and would severely limit the public accessibility to the beaches. These conditions would render this alternative unacceptable.

A second alternative is to construct a vertical or concave concrete seawall. This alternative would probably require a guardrail and/or handrail combination for pedestrian and vehicular safety. These conditions would severely restrict public accessibility to the beaches. A wall type construction would probably increase the likelihood of introducing reflected or refracted wave dynamic conditions that might be detrimental to the existing coastline. These conditions would probably make this alternative unacceptable.

A third alternative would be the construction of an offshore barrier reef to dissipate kinetic energy associated with high surf conditions. This alternative would have wide-reaching short-term and long-term environmental and ecological impacts for the surrounding area and possibly the island. These conditions would make this alternative unacceptable.

If this project is not allowed to be completed, the most feasible alternative would be to "do nothing," but constantly maintain the eroded shoulder due to high surf, and resign to the fact that the next hurricane to hit the island would probably destroy that stretch of roadway within the project area.

ECONOMIC: The estimated construction costs for the proposed project will be $107,500.0 for the State of Hawaii and $505,700.00 for the Federal Government.
SOCIAL: The recreational uses of the area affected by the project includes surfing and fishing. However, the surfing is done further out and fishing occurs only occasionally. Other activities such as swimming, sunbathing, and picnicking are usually enjoyed at Kekaha Beach Park located approximately one-half mile west from the project limits. Recreational activity within the project area is limited and the project will have no significant impacts.

ENVIRONMENTAL: The footing for the rock revetment will be constructed within an acquired construction parcel. The project area is inhabited by seaweeds Giffordia breviarticulata and Acanthophora spicifera, and the mollusks pipipi Nerita picea and black foot opili makaiauli Callana exarata. No rare or unusual flora or fauna inhabit this project area.

The following best management plan shall be used if a green sea turtle is on or within 50 feet of the shoreline at the project site. All construction work shall stop and the green sea turtle shall not be disturbed. The Hawaii Division of Aquatic Resources Kauai District Office shall be called and they will immediately send personnel qualified to observe, tag, record, and/or release the green sea turtle as required. Construction can resume after the green sea turtle is out of sight or as directed by the Aquatic Resources personnel.

If the green sea turtle is within 200 feet of the project site: Stop all construction work seaward of the project site so the green sea turtle shall not be disturbed. The Hawaii Division of Aquatic Resources Kauai District shall be called and they will immediately send personnel qualified to observe, tag, record, and/or release the green sea turtle as required. Construction can resume after the green sea turtle is out of sight or as directed by Aquatic Resource personnel.

There will be no significant adverse affects on
air quality or noise due to the proposed project. All improvements will be constructed to resemble existing conditions so as not to adversely affect visual impacts. Best management practices will be applied so no adverse effects on water quality are anticipated due to the construction of the rock revetment by the placement of a barrier of berm where the excavated material will be temporarily stockpiled. The water quality will be monitored for turbidity and total suspended solids before, during and after construction to ensure that the water quality is maintained. The project engineer shall take photographs of construction and shall assure that the contractor is following all the best management practices in the construction of the project.

SUMMARY OF THE AFFECTED ENVIRONMENT:

The primary purpose of this project is to protect the roadway from the erosive nature of the shoreline due to heavy storms. As the roadway parallels the shoreline and serves as the primary access to the beaches and fishing areas, the proposed rock revetment should help to guarantee that adequate access to the beaches is preserved and maintained.

Thus, the proposed rock revetment at Kekaha will produce a positive effect on the vehicular traffic flow in the project area. There are no endangered flora, fauna, critical habitats, historical/archaeological or cultural sites at the location of the proposed project (refer to Attachment D).

Attachment E are the other comments received about the Draft Environmental Assessment.

SUMMARY OF MAJOR IMPACTS:

Short Term: During construction, the following minor adverse impacts are anticipated: 1. dust and noise 2. traffic slow down 3. minor erosion

Long Term: No significant permanent adverse impacts, are anticipated in the following conditions due to the construction of the proposed project.
**SIGN LEGEND:**

1A Install New Sign W/ Posts CW 20-1d

1B Install New Sign W/ Posts CG 20-2
GENERAL NOTES

1. This project shall consist of constructing a rock revetment along Kaumalii Highway @ Keokeha from Station 427+301 to Station 440+65 90' Right.
2. All earthwork shall be planned and conducted to minimize the duration of exposure of unprotected areas. This work shall proceed in an orderly manner and in reasonably sized increments, as needed, for the timely continuation of the work, as approved by the Engineer.
3. The Contractor shall construct or install all necessary temporary diversion, erosion, and sedimentation control improvements in order to minimize any adverse effect upon the environment, or required by law or as directed by the Engineer. All such improvements, such as berms, dikes, drains, watering, and mulching shall be maintained until the completion of the work. The Contractor is reminded of the requirements of Section 623—Temporary Project Water Pollution Control (Soil Erosion).
4. The Contractor shall minimize pollution of surface and ground water and minimize interference with, disturbance to, and damage of fish and wildlife.
5. Waste waters directly derived from construction activities shall not be allowed to enter directly into the ocean.
6. The Contractor is reminded of the requirements of Subsection 105:01—Subsetting of Contract, which requires him to perform work amounting to not less than 50 percent of the total contract cost less deductible items. Non-compliance with this Subsection may be grounds for rejection of bid.
7. No materials and/or equipment shall be stockpiled or stored within the highway right-of-way except at locations approved by the Engineer in the field.
8. The Contractor shall be held liable for any damages incurred to existing facilities, structures and signs resulting from his operations. The existence and location of underground facilities and structures shown on the plans or from the latest available data but the accuracy is not guaranteed. These shall be verified by the Contractor.
9. The Contractor shall keep all lanes open to the public traffic during peak traffic hours of 6:30 a.m. to 8:30 a.m. and 3:30 p.m. to 5:30 p.m., and during periods of non-work, if deemed necessary, the Engineer in the field may at anytime revise/adjust the lane open schedule.
11. 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.
12. Borrow areas shall be managed to minimize erosion and to prevent sediment from entering nearby waters.
13. Existing drainage system will be functional at all times during construction. Contractor is to furnish materials, equipment, labor, tools and all incidental necessary to maintain flow. This work shall be considered incidental to the work contract items.
14. The Contractor shall provide for access to and from all existing side streets at all times.

LONGITUDINAL SECTION ALONG C CULVERT

Scale 1:10
INSET

Scale: T = 5

TYPICAL ROCK REVETMENT SECTION

Scale: T = 5

KAUMU Ali I H W Y.

LAYOUT PLAN

Scale: T = 20'-0"
Ref.: LM-LY

Kazu Hayashida
Department of Transportation
869 Punchbowl Street
Honolulu, HI 96813

Dear Mr. Hayashida:

Subject: Shoreline Certification Request
Applicant: State of Hawaii/DOT
Property Owner: State of Hawaii/DOT
Location - Island: Kauai District: Kekaha
Property Description: Kaumualii Highway Kekaha
Land Management Case No.: KA-110

This is to inform you that the subject shoreline certification request has been certified but is subject to appeal.

Certified shoreline maps are being withheld until the appeal deadline of April 12, 1995.

Should you have any questions regarding this matter, please feel free to contact our Land Management Division at 587-0439.

Very truly yours,

W. Mason Young
Land Management Administrator

cc: Kauai Land Board Member
Kauai District Land Office
Survey Div., DABS
NOTE:

Origin of Azimuths: "Oomano" Δ
Coordinates referred to: "Oomano" Δ

▲ Denotes number and direction of photographs taken.
② Denotes point number as shown on photographs.

Shoreline follows along vegetation line at seashore as of September 29, 1994

Area of Eroded Field: 37,143 Sq. Ft.
or 0.853 Ac.

 inset

TAX MAP KEY: 1-3-05 : 1
Area of Eroded Portion
37,143 Sq. Ft.
or 0.853 Ac.

SHORELINE CERTIFICATION MAP FOR
KAUMUALII HIGHWAY AT KEKAHA

FEDERAL AID PROJECT NO. ER-11 (2)
KEKAHA, WAIMEA, KAUAI, HAWAII

January 24, 1995
Scale: 1 in. = 100 ft

P.H. 118
March 15, 1994

Dee Crowell, Director
Kauai Planning Department
4444 Rice Street, Suite 473
Building "A"
Lihue, Kauai, Hawaii 96766

Dear Mr. Crowell:

SUBJECT: Historic Preservation Review – Preliminary Subdivision
S-94-40 (State of Hawaii)
TMK: 1-3-05: 1
Kekaha, Waimea, Kauai

Our staff archaeologist conducted a preliminary field inspection of the area on February 23, 1994, to determine the potential of subsurface historic sites. The area appeared to be heavily impacted from the construction and repaving of the highway. Therefore, we can now concur that this project will have "no effect" on significant historic sites.

If significant historic sites (cultural deposits, artifacts or human remains) are found during construction, the contractor must stop in the immediate area and notify our office to work out appropriate mitigation measures.

If you have any questions, please call Nancy McMahon 587-0006.

Sincerely,

DON HIBBARD, Administrator
State Historic Preservation Division

NM:jen

cc: DOT
Advisory Council, Western Region
Planning Division

Mr. T. Harano, Chief
Highways Division
Department of Transportation
State of Hawaii
869 Punchbowl Street
Honolulu, Hawaii 96813

Dear Mr. Harano:

Thank you for the opportunity to review and comment on the Draft Environmental Assessment for the Kaumualii Highway Revetment, Kekaha, Kauai. We do not have any additional comments to offer beyond those offered in our previous letter dated May 24, 1994 which is enclosed for your information.

Sincerely,

Ray H. Jye, P.E.
Director of Engineering

Enclosure
DEPARTMENT OF THE ARMY
U.S. ARMY ENGINEER DISTRICT, HONOLULU
FORT SHAFTER, HAWAII 96859-5440

MAY 24 1994

Operations Division

SUBJECT: Provisional Nationwide Permit for Shoreline Revetment, Kekaha, Kauai, Hawaii, File No. NW 94-037

Mr. T. Harano, Chief
Highways Division
Hawaii Department of Transportation
869 Punchbowl Street
Honolulu, Hawaii 96813

Dear Mr. Harano:

This responds to your March 28, 1994 application for a Department of the Army (DA) permit for the construction of a protective revetment in Kekaha, Kauai, Hawaii. The revetment would be approximately 0.25 miles long and serve to extend the existing 1.73-mile-long revetment along Kaumualii Highway. Approximately 12,000 cubic yards of armor stone and bedding material would be required for the revetment, of which about 4,650 cubic yards would be placed below the mean high water line. The contract specifications require that the contractor acquire and use only clean, dense and durable stones for the project.

I coordinated this application with the interested resource agencies and received no responses objecting to the project. Therefore, I have determined that the proposed work can be authorized by the Corps Nationwide permit (NWP) authority in accordance with Federal Regulations at 33 CFR 330, Appendix A, Part B, paragraph 13, and no further Department of the Army processing is necessary. However, as you know, you must first acquire the prerequisite Section 401 Water Quality Certification and Coastal Zone Consistency concurrence, or their waivers, from the State of Hawaii before the Corps authorization can be considered valid.

Until the above state approvals, or waivers, are granted, I am issuing to you a "Provisional Nationwide Permit" for the proposed work. I am also providing you with excerpts from the regulations which list the conditions of the NWP for your information.

In addition to the permit conditions, you are advised that:

(INTERNAL)
a. Nationwide permits do not obviate the need to obtain other Federal, state or local authorizations required by law.

b. Nationwide permits do not grant any property rights or exclusive privileges.

c. Nationwide permits do not authorize any injury to the property or rights of others.

d. Nationwide permits do not authorize interference with any existing or proposed Federal project.

If the State of Hawaii issues both certifications or waivers, this verification will take effect from the date of the second approval and remain valid for two years from the date of that approval, unless the NWP authorization is modified, suspended, or revoked. If during this two-year period, the NWP authorization is reissued without modification or if the activity complies with any subsequent modification of the NWP authorization, this verification will continue to remain valid for the two-year period. However, if during this two-year period, the NWP authorization expires, is suspended or revoked, or is modified such that the activity would no longer comply with the terms and conditions of the NWP, the provisions of section 330.6(b) (enclosed) will apply.

If the state denies either or both of the certifications for this project, then the NWP will be denied without prejudice.

If you have any questions, please contact Warren Kanai (438-9258, ext. 12) and refer to File No. NW 94-037.

Sincerely,

Michael T. Lee  
Chief, Operations Division

Attachments
Copies Furnished (w/out attch):

Office of State Planning, CZM Program Office, Honolulu, HI
Department of Health, Clean Water Branch, Honolulu, HI
US Env Protection Agency, San Francisco, CA
US Fish and Wildlife Service, Honolulu, HI
National Marine Fisheries Service, Honolulu, HI
State Dept of Land and Natural Resources
August 17, 1994

Mr. T. Harano
Chief
Highways Division
Department of Transporation
869 Punchbowl Street
Honolulu, Hawaii 96813-5097

Dear Mr. Harano:

The Department of Business, Economic Development & Tourism is pleased to submit the enclosed comments on the Draft Environmental Assessment for the Kaumualii Highway Rock Revetment at Kaheka, Federal-Aid Project No. ER-11 (2).

The comments were provided by the Land Use Commission. Questions regarding these comments may be directed to Esther Ueda, LUC Executive Officer, at 587-3826.

Thank you for the opportunity to comment.

Sincerely,

Jeanne K. Schultz

Enclosure
SUBJECT: Director’s Referral No. 94-267-B
Draft Environmental Assessment (DEA) for the
Kauualii Highway Rock Revetment at Kekaha,
Federal-Aid Project No. ER-114(2)

We have reviewed the subject DEA for the Kauualii Highway
Rock Revetment project, and have the following comments:

1) The project site, as shown on the layout plan, appears
to be located within the State Land Use Urban District.
Please be advised that due to the location of the
project site along the shoreline, an accurate
determination of the location of the Urban/Conservation
District boundary is subject to a valid shoreline
survey certified by the Chairperson of the Board of
Land and Natural Resources.

2) We suggest that the final EA include a map showing the
project’s boundaries in relation to the State Land Use
Districts. We have attached a copy of the Commission’s
official map (portion of quadrant K-2, Kekaha) with the
project site highlighted in yellow for your
information.

We have no other comments to offer at this time.

att.

EU:BS:th
September 6, 1994

Mr. Tetsuo Harano, Chief
Highways Division
State of Hawaii
Department of Transportation
869 Punchbowl Street
Honolulu, HI 96813-5097

Dear Mr. Harano:

Subject: Review of Draft Environmental Assessment
Kaumualii Highway Rock Revetment at Kekaha
Kekaha, Kauai, Hawaii
Federal Aid Project No. ER-11(2)
TMK: 1-3-05: 1

The Department of Health has reviewed the documents and your letter dated August 9, 1994. It has been determined that you are not required to obtain an NPDES permit for storm water runoff discharges associated with construction activities. Pursuant to Chapter 11-55-34.02, Hawaii Administrative Rules, Department of Health, "operations that result in the disturbance of less than five acres of total land area which are not part of a larger common plan of development..." do not require an NPDES permit.

However, we have the following comments:

1. If the project involves the following activities with discharges into State waters, an NPDES permit is required for each activity:
   a. Construction dewatering effluent;
   b. Non-contact cooling water;
   c. Hydrotesting water; and
   d. Treated effluent from underground storage tank remediation activity.
Any person wishing to be covered by the NPDES General Permit for any of the above activities should file a Notice of Intent with the Department's Clean Water Branch at least 90 days prior to commencement of any discharge to waters of the state.

2. The applicant should contact the Army Corps of Engineers to identify whether a Federal permit (including a Department of Army permit) is required for this project. A Section 401 Water Quality Certification is required for "Any applicant for a Federal license or permit to conduct any activity including, but not limited to the construction or operation of facilities, which may result in any discharge into the navigable waters...," pursuant to Section 401(a)(1) of the Federal Water Pollution Act commonly known as the Clean Water Act.

3. We recommend that a Best Management Practice Plan shall be implemented during the construction.

Any questions regarding this matter should be directed to Mr. Arnold Lan, Engineering Section of the Clean Water Branch, at 586-4309.

Sincerely,

THOMAS E. ARISUMI, P.E., CHIEF
Environmental Management Division

AWL/sa

c: DHS, Kauai
attachment: E

Ref: OCEA: DRF

Mr. T. Harano, Chief
Highways Division
Department of Transportation
State of Hawaii
669 Punchbowl Street
Honolulu, Hawaii 96813-5097

Dear Mr. Harano

SUBJECT: Draft Environmental Assessment (DEA);* Kaumualii Highway Rock
Revetment at Kekaha - Federal Aid Project No. ER-112, Kekaha,
Kauai

We have reviewed the DEA information for the subject project transmitted
by your memorandum dated August 9, 1994, and have the following comments:

Division of Aquatic Resources

The Division of Aquatic Resources (DAR) comments that their previous
comments on this project to the U.S. Army Corps of Engineers remain
applicable (see attachment).

Office of Conservation and Environmental Affairs

The Office of Conservation and Environmental Affairs (OCEA) comments that
the DEA does not appear to meet the content requirements pursuant to the
Environmental Impact Statement Rules, Title 11, Chapter 200, Hawaii
Administrative Rules. The document does not adequately describe/disclose
elements of the proposed project (ie. size and type of stones to be
utilized, amount of excavation required, construction duration, mitigation
measures to be employed, land ownership, State land use designation,
zoning, SRA requirements, agencies consulted, etc.).

OCEA strongly suggests that the Office of Environmental Quality Control be
contacted for assistance on revisions to this draft document prior to
finalization.

We will forward any Historic Preservation Division comments as soon as
they become available.
We have no other comments to offer at this time. Thank you for the opportunity to comment on this matter.

Please feel free to call Steve Tagawa at our Office of Conservation and Environmental Affairs, at 587-0377, should you have any questions.

Very truly yours,

[Signature]

Attachment

cc: GEQC
Mr. Steven M. Kyono, P.E.
District Engineer
Department of Transportation
3060 Elima Street, Room 205
Lihue, HI 96766

Dear Mr. Kyono:

SUBJECT: Kaumualii Highway Rock Revetment at Kekaha
Federal Aid Project No. EL-11(2)

This responds to your 9 December 1994 request for comments on the subject project, concerning significant impacts to wildlife.

Upon review of the revetment plan, I see no significant impact of the project to common wildlife species or threatened and endangered species. Although it is not my specific area of expertise, green sea turtles may on very rare occasions haul ashore on the beach area makai of the highway right-of-way to rest, but the revetment would not impact them.

Please contact me at 241-3433 if you need any additional information.

Sincerely,

Thomas C. Telfer
District Wildlife Biologist
Attachment E

STATE OF HAWAII
OFFICE OF ENVIRONMENTAL QUALITY CONTROL
215 SOUTH KING STREET
FOURTH FLOOR
HONOLULU, HAWAII 96813
TOLL FREE, HAWAII 800-643-3486
FACSIMILE 808-586-8393
August 12, 1994

Honorable Rex D. Johnson, Director
Department of Transportation
869 Punchbowl Street
Honolulu, Hawaii 96813

Attention: Mr. Allan Nishimura

Dear Mr. Johnson:

Subject: Draft Environmental Assessment (EA) for Kaumualii Highway
Rock Revetment at Kekaha, Federal-Aid Project No. ER-11(2), TMK: 4-1-3-04 & 4-1-3-05 (HD-DD 2:2313)

The State Historic Preservation Division of DLNR noted in their 2/7/94 letter to the Kauai Planning Department that burial and habitation sites exist near the subject parcel, and that they planned to conduct a preliminary field inspection of the area. In your Final Environmental Assessment, please include a copy of the field inspection report or a copy of your mitigation plan in the event archaeological remains are uncovered.

If you have any questions, please call Ms. Nancy Heinrich at 586-4185.

Sincerely,

Bruce S. Anderson, Ph.D.
Interim Director

BSA/NH:kk
June 14, 1993

Mr. Steven Kyono, District Engineer
State of Hawaii
Department of Transportation
Highways Division
3160 Elwa Street
Lihue, Hawaii 96766

RE: Repair and Reconstruction of Kaumualii Highway
Job Nos. ER-11(1) and ER-11(2)
Kekaha, Kauai

In response to our discussion on the proposed repair and construction of a rock revetment along Kaumualii Highway from Kala Rd. to Manu Rd., be advised that this work was originally approved under Special Management Area Emergency Permit SMA(E)-86-1, which was issued to the Department of Transportation (DOT) in 1985. It is our understanding that as a result of damage from Hurricane Iniki, the DOT desires to repair and construct the rock revetment in the same location as proposed under SMA(E)-86-1, in order to protect the highway as required by the federal government.

Based on the foregoing, we have determined that the proposed work and activities have been approved under SMA Emergency Permit SMA(E)-86-1.

Thank you for consulting us on this matter.

JEFFREY LACY
Planning Director
August 18, 1994

Mr. T. Harano, Chief
DOT - Highways Division
869 Punchbowl Street
Honolulu, HI 96813-5097

Re: Kaumualii Highway Rock Revetment at Kekaha Federal-Aid Project No. ER-11(2)

Thank you for providing us the opportunity to review the draft environmental assessment for the subject project. The Department of Water does not have any comments to offer.

If you have any questions, please call Mel Matsumura at 245-6986.

Muri T. Nielsen
Manager and Chief Engineer

MM: rm