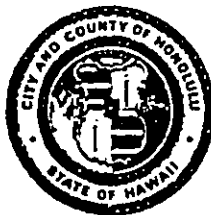


DEPARTMENT OF PUBLIC WORKS
CITY AND COUNTY OF HONOLULU

650 SOUTH KING STREET
HONOLULU, HAWAII 96813



FRANK F. FASI
MAYOR

SAM CALLEJO
DIRECTOR AND CHIEF ENGINEER

IN REPLY REFER TO:
'91 OCT 24-1102516

OFFICE OF LAND
QUALITY CONTROL

September 27, 1991

Mr. Brian J. J. Choy, Director
Office of Environmental Quality Control
220 South King Street, 4th Floor
Honolulu, Hawaii 96813

Dear Mr. Choy:

Subject: Notice of Negative Declaration for the Navigational Lighting System for
Bridges in Hawaii Kai

The Department of Public Works requested and received comments from various agencies on the environmental assessment for the Navigational Lighting System for Bridges in Hawaii Kai and has determined that the project will not have any significant impacts on the environment. Based on this determination, we are filing a Negative Declaration for this project. Enclosed are four (4) copies of the Negative Declaration.

If you have any questions, please contact Ray Nakahara of the Division of Engineering at 523-4041.

Very truly yours,

for 
SAM CALLEJO
Director and Chief Engineer

Attach.

cc: Department of Land Utilization (w/attach.)

175

1991-10-08-0A-FAA

FILE COPY

DEPARTMENT OF PUBLIC WORKS
CITY AND COUNTY OF HONOLULU

NEGATIVE DECLARATION
FOR THE
* NAVIGATIONAL LIGHTING SYSTEM FOR
BRIDGES IN HAWAII KAI
HAWAII KAI, OAHU, HAWAII *
TAX MAP KEY: 3-9-08, 17

This document is prepared pursuant to Chapter 343, HRS.

Proposing Agency: Department of Public Works
City and County of Honolulu
650 South King Street
Honolulu, Hawaii 96813

Responsible Official: C. Michael Street 9/25/91
Date
Jr. SAM CALLEJO MF
Director and Chief Engineer

Prepared by
Division of Engineering
Department of Public Works

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I. *DESCRIPTION OF PROPOSED ACTION AND STATEMENT OF OBJECTIVE*

The proposed project consists of the installation of navigational lights on three City and County of Honolulu bridges in the Hawaii Kai Marina area (see Appendix A - Location Map).

The objective of the project is to provide bridge lighting for the safety of nighttime navigation.

II. *DESCRIPTION OF THE AFFECTED ENVIRONMENT*

The proposed project is located in Hawaii Kai, Oahu, Hawaii (Tax Map Key: 3-9-08 & 17), approximately ten miles from the State Capitol in Honolulu. The project sites are the Hawaii Kai Drive, Keahole Street and Wailua Street Bridges over the Hawaii Kai Marina.

The bridges were constructed between 1967 and 1973 when the Hawaii Kai area was developing. The bridges are multi-spanned concrete structures with only the interior spans permitting travel under the bridges. The marina invert elevation at the bridge sites is (-)7.0. The soffit elevation of the bridge deck at midspan is approximately (+)14.2 at the Hawaii Kai Drive Bridge and (+)20.6 at the other two bridges. Street lights are located either on or at the ends of the bridges.

The project area is classified as residential. Open park areas are located mauka and makai of the Hawaii Kai Drive bridge. Homes are located on Hawaii Kai Drive approximately 100 feet mauka of the bridge.

The Hawaii Kai Shopping Center is located at the Mauka-Kokohead corner of the Keahole Street Bridge and the Kaiser Hawaii Kai Medical Clinic is at the Makai-Kokohead corner. Vacant lots are located Mauka-Ewa and Makai-Ewa of the bridge.

Mauka-Kokohead, Makai-Kokohead and Mauka-Ewa of the Wailua Street bridge are vacant lots. These lots will soon have homes built under a development called the Peninsula. Homes are located at the area Makai-Ewa of the bridge.

In 1990 there were over 700 boats registered and authorized to operate on the Hawaii Kai Marina. 337 of the boats were physically moored on the water to boat docks, sea walls, or boat slips. Of the 337 moored boats, 142 were cabin cruisers greater than 20 feet long, 84 were small power boats less than 20 feet long and 111 were canoes, kayaks, rubber inflatables, row boats and sailboats. While most of the boat operations occur during daylight hours a number of boats operate prior to sunrise (fishermen) and several boats are on evening cruises up to about 10:00 p.m.

Wildlife in the project area consists of the usual common birds found in the builtup areas of Honolulu, and no rare or endangered species are known to frequent the lands adjacent to the proposed project.

There are no known archaeological or historic sites in the immediate project area.

The average annual rainfall in the area is 31 inches per year. The average temperature varies from 72 degrees to 81 degrees.

III. GENERAL DESCRIPTION OF THE PROJECT'S TECHNICAL, ECONOMIC, SOCIAL AND ENVIRONMENTAL CHARACTERISTICS

Bridge lighting is a requirement of the United States Coast Guard. They have determined that bridge navigational lighting as required by 33 CFR 118 is required for the three bridges included in this Environmental Assessment.

The project includes the installation of navigational lights on the three bridges. Two green channel lights will be hung from the bridge at the center of each navigable span. The lights will show through an arc of 360 degrees and indicate the area of safe passage. Red pier lights will be installed on the end of each pier. The lights will show through an arc of 180 degrees and will indicate the limits of safe passage. The lights will be placed on both sides of the bridge (see Appendix B-Typical Elevation). The light source will be provided by 100 watt incandescent lamps. Photoelectric switches will control the operation of the lights.

The project also includes the supplying of electric power to operate the bridge lights. Underground power lines from existing Hawaiian Electric power sources to the bridges will be installed in the roadway sidewalk area.

The project has an estimated construction cost of \$200,000. \$100,000 for the bridge lighting and \$100,000 for the underground power lines. Capital Improvement Program funds for FY-93 will be programmed for the project.

The project will not require the displacement or relocation of any persons. Acquisition of land rights will not be required.

IV. IDENTIFICATION AND SUMMARY OF MAJOR IMPACTS AND PROPOSED MITIGATION MEASURES

Dust and Noise Emission: The discharge of dust into the atmosphere may occur during the construction period. This is, however, only a short-term effect on the environment and dust will be reduced and controlled through the application of water and/or other appropriate measures. The specifications will contain provisions that will require the contractor to prevent dust nuisance at all times and have sufficient equipment and manpower at the job site to accomplish this.

Noise will be generated by construction equipment such as backhoes, compressors and jackhammers during the project. The increase in noise level by construction equipment cannot be avoided, but will be controlled and limited to normal working hours. The contractor will be required to obtain a Community Noise Permit pursuant to Chapter 43 of the State Public Health Regulations and to comply with the Provisions of Chapter 42, Vehicular Noise Control for Oahu. Individuals that may be adversely affected by the construction noises will be the residents of homes adjacent to the bridges. Approximate distances from the work area nearest to various locations and the estimated sound level from equipment noise at the locations from the project site are as follows:

<u>Location</u>	<u>Distance from Project</u>	<u>Sound Level dBa</u>
1. Nearest residence	50 Feet	88
2. Nearest church	5000 Feet	50
3. Nearest School	1600 Feet	58
4. Nearest medical center	50 Feet	88

Water Pollution: The work will be done over an existing waterway. Concrete dust from the drilling of holes for the conduits and light fixtures will be the only material that would enter the waterway. The amount of this material will be insignificant and will cause no adverse effect on the waterway.

Proper construction methods will be used to prevent the entry of debris, sediments and other deleterious materials into the water.

Visual Impacts: The green and red navigational lights that are installed on the bridge may have a visual impact. The existing street lights on the bridges however, brightens the bridge at night and reduces any harshness that the navigational lights may create.

V. **ALTERNATIVES CONSIDERED**

The following courses of action were considered: (a) no action and (b) the proposed project.

A. **Discussion**

No Action: To take no action will cause the City to be in violation of 33 CFR 118, which requires all persons owning, occupying or operating bridges over the navigable waters of the United States to maintain at their own expense such lights and other signals required for the safety of maritime navigation as may be prescribed by the Commandant of the Coast Guard.

Proposed Project: The proposed bridge lighting project will place the City in compliance with 33 CFR 118, and will provide a safer environment for nighttime boating operations.

B. It is recommended that the City proceed with the proposed bridge lighting project.

VI. AGENCIES CONSULTED IN MAKING THIS ASSESSMENT

A. City and County of Honolulu

1. Department of General Planning
2. Department of Land Utilization
3. Department of Transportation Services

B. State of Hawaii

1. Department of Land and Natural Resources (No response)
2. Department of Health
3. Department of Transportation

C. U.S. Government

1. Department of the Interior, Fish and Wildlife Service (No response)
2. United States Coast Guard

D. Associations

1. Hawaii Kai Neighborhood Board
2. Hawaii Kai Marina Community Association

Comments to the environmental assessment from the various agencies are located in Appendix C.

VII. DETERMINATION

After preparing an environmental assessment, we have determined that the proposed project will not have a significant impact on the environment, and an environmental impact statement will not be prepared.

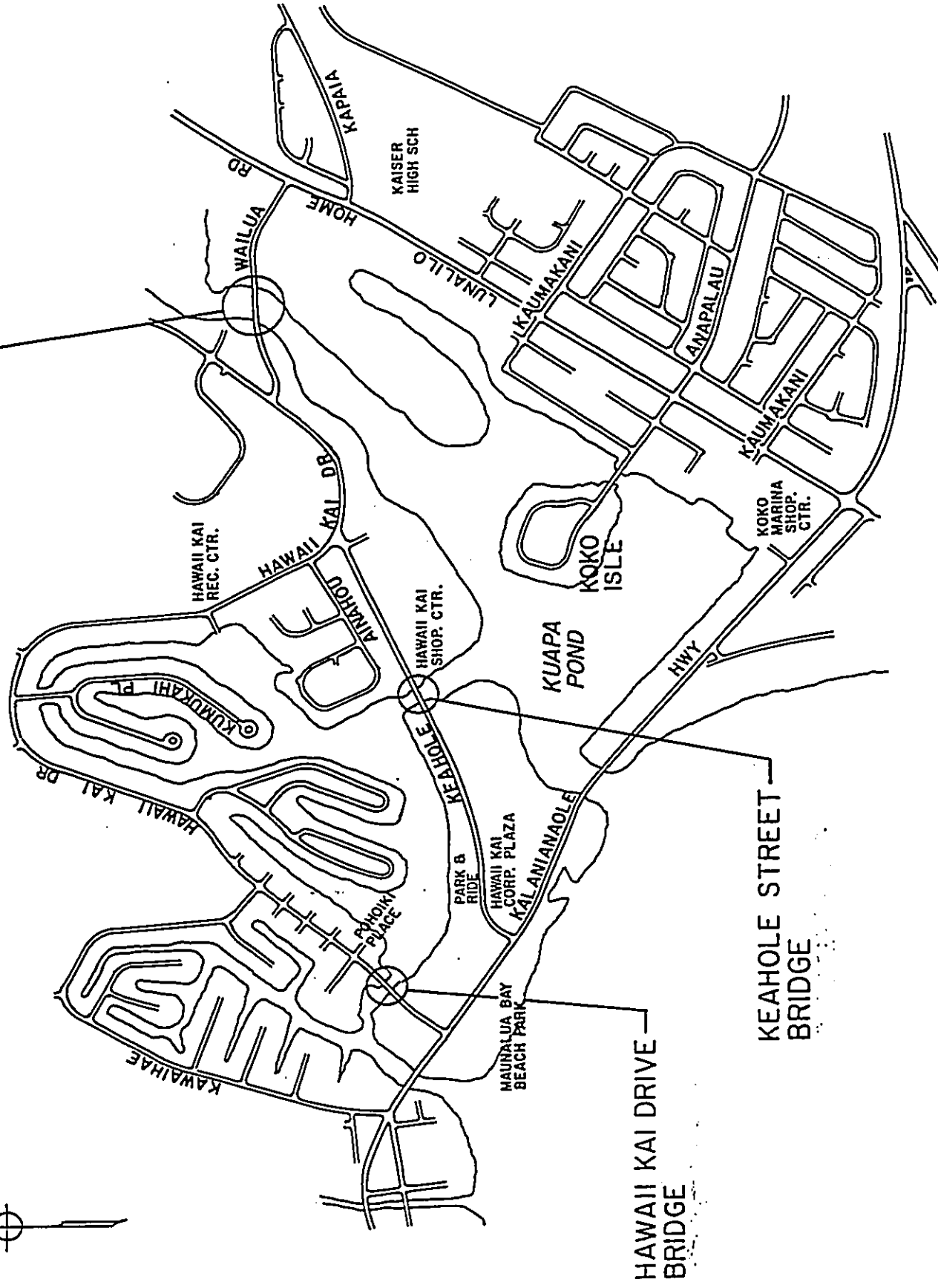
VIII. REASONS FOR SUPPORTING THE DETERMINATION

Based on the criteria, the policies, guidelines, and provisions of Chapters 342, 343, and 344, HRS, the reason supporting the Negative Declaration determination is that the proposed project will not:

- affect rare or endangered species of flora or fauna.
- affect any natural or cultural resources.
- affect undeveloped lands.
- conflict with existing land use and development plans.
- have significant long-term effect on air quality, water quality or ambient noise levels.
- displace any residences or businesses.
- be located in close proximity to any known natural, historic, or archaeological sites.
- affect beneficial uses of the environment.
- affect economic or social welfare of the community or State.

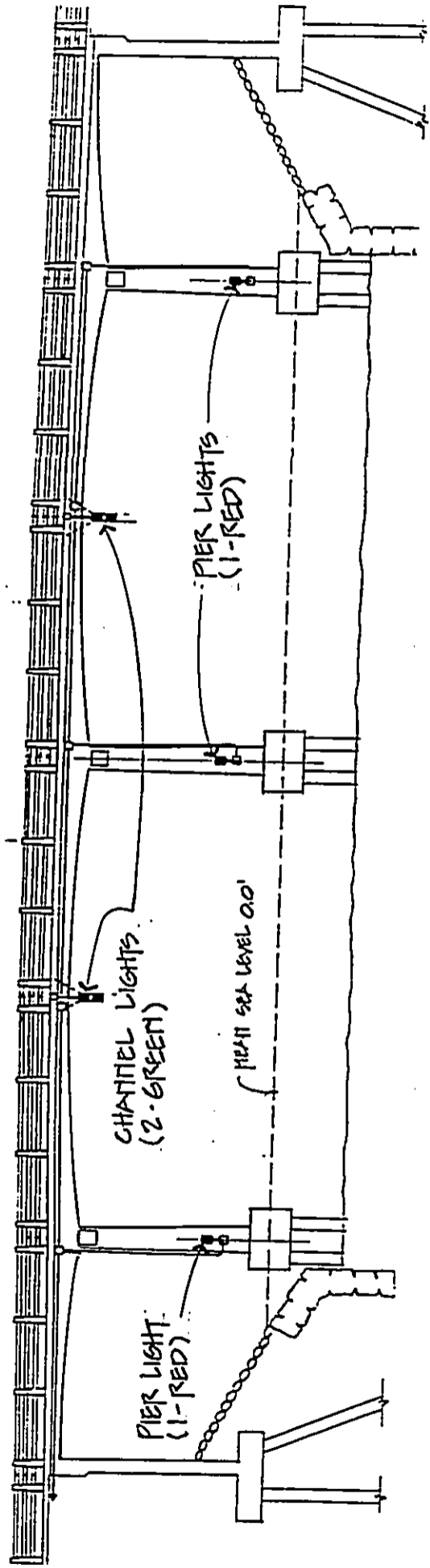


WAILUA STREET BRIDGE



APPENDIX A LOCATION MAP

NOT TO SCALE



APPENDIX B
TYPICAL ELEVATION
NOT TO SCALE

APPENDIX C
COMMENTS

DEPARTMENT OF TRANSPORTATION SERVICES
CITY AND COUNTY OF HONOLULU

HONOLULU MUNICIPAL BUILDING
650 SOUTH KING STREET
HONOLULU, HAWAII 96813



FRANK F. FASI
MAYOR

91-2658

EWD

EJK

JOSEPH M. MAGALDI JR.
DIRECTOR

AMAR SAPPAL
DEPUTY DIRECTOR

TE-3634
PL91.1.221

July 12, 1991

MEMORANDUM

TO: MIKE STREET, ACTING DIRECTOR AND CHIEF ENGINEER
DEPARTMENT OF PUBLIC WORKS

FROM: JOSEPH M. MAGALDI, JR., DIRECTOR

SUBJECT: ENVIRONMENTAL ASSESSMENT FOR THE NAVIGATIONAL LIGHTING
SYSTEM FOR BRIDGES IN HAWAII KAI

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We have no comments on the environmental assessment for this project.

If there are any questions, please call Mike Oshiro at local 5031.

Joseph M. Magaldi, Jr.
JOSEPH M. MAGALDI, JR.

DEPARTMENT OF LAND UTILIZATION
CITY AND COUNTY OF HONOLULU
650 SOUTH KING STREET
HONOLULU, HAWAII 96813 • (808) 523-4432

91-2775

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Luzy

FRANK F. FASI
MAYOR



DONALD A. CLEGG
DIRECTOR

LORETTA K.C. CHEE
DEPUTY DIRECTOR

LU 07/91-5804(AC)

July 22, 1991

MEMORANDUM

TO: SAM CALLEJO, DIRECTOR AND CHIEF ENGINEER
DEPARTMENT OF PUBLIC WORKS

ATTN: DIVISION OF ENGINEERING
DIVISION OF WASTEWATER MANAGEMENT
DIVISION OF REFUSE COLLECTION AND DISPOSAL

FROM: DONALD A. CLEGG, DIRECTOR

SUBJECT: Special Management Area Review, Navigational Lighting System for Bridges in Hawaii Kai, Tax Map Key: 3-9-08: 17

The proposed project on the referenced tax map key has been reviewed. We find that it:

- Is not within the Special Management Area.
- Is within the Special Management Area, but is not defined as "development" and is therefore, Exempt (Exemption No. 16).

Should you have any questions, please contact the Environmental Affairs Branch at 523-4077.

for Arthur Chelluke
DONALD A. CLEGG
Director of Land Utilization

DAC:lg



PHONE (808) 396-AHOY (2469)

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TO _____

HAWAII KAI MARINA OFFICE

RECEIVED
DIV. OF ENGINEERING
Hawaii Kai Shopping Center
377 Keahole Street Suite D1-C
Honolulu, Hawaii 96825

JUL 30 9 04 AM '91

91-2891
Dir Dep
ENV
ENGR

July 22, 1991
Serial #1010

Mr. Sam Callejo
Director & Chief Engineer
Department of Public Works
City & County Of Honolulu
650 South King Street
Honolulu, Hawaii 96813

Dear Mr. Callejo,

SUBJECT: Environmental Assessment For The Navigational Lighting System For Bridges In Hawaii Kai

REFERENCE (A): Department Of Public Works Letter Dated 5 July 1991, Same Subject

Reference (A) forwarded a copy of the environmental assessment for the project of navigational lighting systems for three City and County bridges in Hawaii Kai.

Subject environmental assessment has been reviewed as requested. The content of the assessment is concurred in and the valid requirement to complete the project is reaffirmed.

Please provide our Marina staff with an installation schedule of the various lighting systems for the bridges.

Our Marina Patrolmen can support the bridge lighting project by limiting the passage of boats under the bridges during critical periods of the installation of the navigational lighting systems.

Sincerely,

Hugh J. Conroy
President, H.K.M.C.A.

LRT:bh

cc: Marina Manager
Marina Patrolmen
Director Collins

HAWAII KAI MARINA COMMUNITY ASSOCIATION

DEPARTMENT OF GENERAL PLANNING
CITY AND COUNTY OF HONOLULU

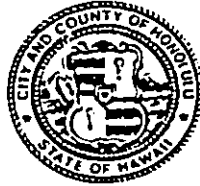
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HONOLULU, HAWAII 96813

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FRANK F. FASI
MAYOR

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EWL
BENJAMIN B. LEE
CHIEF PLANNING OFFICER
ROLAND D. LIBBY, JR.
DEPUTY CHIEF PLANNING OFFICER

EWG

TH 91/-2235

July 23, 1991

MEMORANDUM

Sam
TO: SAM CALLEJO, DIRECTOR AND CHIEF ENGINEER
DEPARTMENT OF PUBLIC WORKS
FROM: BENJAMIN B. LEE, CHIEF PLANNING OFFICER
DEPARTMENT OF GENERAL PLANNING
SUBJECT: ENVIRONMENTAL ASSESSMENT FOR THE NAVIGATIONAL
LIGHTING SYSTEM FOR BRIDGES IN HAWAII KAI
TAX MAP KEY: 3-9-08 AND 17, HAWAII KAI, OAHU

In response to your memorandum of July 5, 1991, we have reviewed your environmental assessment, and have no objections to the proposed project.

Thank you for the opportunity to comment on this environmental assessment. Should you have any questions, please contact Tim Hata of our staff at 527-6070.

B
BENJAMIN B. LEE
Chief Planning Officer

BBL:ft

U.S. Department
of Transportation

United States
Coast Guard



Commander (oan)
Fourteenth Coast Guard District

91-2946
Prince Kalanianaʻole
Federal Building
300 Ala Moana Blvd.
Honolulu, Hawaii 96850-4552
Phone: (808) 541-2315

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DIV. OF ENGINEERING
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16590/SF
Serial 32391
25 JUL 1991

Eng

Mr. Sam Callejo
Director and Chief Engineer
Department of Public Works
City and County of Honolulu
650 South King Street
Honolulu, Hawaii 96813

Dear Mr. Callejo:

We have reviewed the Environmental Assessment for the Navigational Lighting System for Bridges in Hawaii Kai as requested in your letter 91-11-0154 of 5 July 1991. The Environmental Assessment appears to be complete, although our expertise in reviewing such documents is limited.

In our letter of 10 December 1990 to you, we advised you of the bridge lighting requirements and the application procedures which are required as per 33 CFR 118.25. We found a lighting design error on the drawings provided with the environmental assessment. I discussed our concerns with Mr. Nakahara on 17 July 1991 and he understood what needs to be changed. The plans you will provide us with your application should reflect the necessary change.

We look forward to receiving your application for the bridge lighting plans you are developing for your three bridges. If we can be of any further assistance in this matter, please do not hesitate to contact me directly at 541-2319.

Sincerely,

M. S. Swegles

M. S. SWEGLES
Lieutenant, U. S. Coast Guard
Chief, Short Range Aids
Fourteenth Coast Guard District
By direction of the District Commander

JOHN WAIHEE
GOVERNOR

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STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION

869 PUNCHBOWL STREET
HONOLULU, HAWAII 96813-5097

August 1, 1991

91-3661
EDWARD Y. HIRATA
DIRECTOR
DEPUTY DIRECTORS
AL PANG
JOYCE T. OMINE
JEANNE K. SCHULTZ
CALVIN M. TSUDA

IN REPLY REFER TO:

HWY-PS
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Mr. Sam Callejo
Director and Chief Engineer
Department of Public Works
City and County of Honolulu
650 South King Street
Honolulu, Hawaii 96813

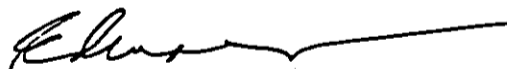
Dear Mr. Callejo:

Environmental Assessment (EA) for the Navigational
Lighting System for Bridges in Hawaii Kai, Oahu
TMK: 3-9-08; 3-9-17

Thank you for your letter of July 5, 1991, requesting our review
of the proposed project's Environmental Assessment.

The installation of navigational lights on the Hawaii Kai bridges
will not affect our State highway facilities.

Very truly yours,


Edward Y. Hirata
Director of Transportation

JOHN WAIHEE
GOVERNOR OF HAWAII

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STATE OF HAWAII
DEPARTMENT OF HEALTH

P. O. BOX 3378
HONOLULU, HAWAII 96801

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91-3294
ewl
JOHN C. LEWIN, M.D.
DIRECTOR OF HEALTH

ENG

In reply, please refer to:
91-3-241X

August 2, 1991

Mr. Sam Callejo, Director
Department of Public Works
City and County of Honolulu
650 South King Street
Honolulu, Hawaii 96813

Dear Mr. Callejo:

Subject: Environmental Assessment for the Navigational
Lighting System for Bridges in Hawaii Kai

Thank you for allowing us to review and comment on the subject
environmental assessment, Navigational Lighting System for
Bridges in Hawaii Kai. We do not have any comments at this time.

Very truly yours,

John C. Lewin
JOHN C. LEWIN, M.D.
Director of Health



HAWAII KAI NEIGHBORHOOD BOARD NO. 1

91-3402

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DIV. OF ENGINEERING

P.O. BOX 25804 • HONOLULU, HAWAII 96825

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ENGR

August 27, 1991

Mr. Sam Callejo, Director
Department of Public Works
City and County of Honolulu
650 S. King Street
Honolulu, Hawaii 96813

Dear Mr. Callejo:

Subject: Navigation Lighting System for Bridges in Hawaii Kai

The Hawaii Kai Neighborhood Board congratulates the City and County of Honolulu in moving forward to light three bridges in Hawaii Kai for navigation as required by Federal Law 33 CFR 118.

Again, thank you for putting this public work in your schedule and look forward to the State of Hawaii and Coast Guard to also include the Hawaii Kai Bridge. As you know, we have over 700 boats registered with the State in Kuapa Pond.

Sincerely,

Laverne Moore
Chair

cc: U.S. Coast Guard, 14th District
State Department of Transportation
Senator Donna Ikeda
Representative David Stegmaier
Representative Gene Ward
Councilmember John Henry Felix



Oahu's Neighborhood Board System - Established 1973