

BENJAMIN J. CAYETANO
GOVERNOR



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KAZU HAYASHIDA
DIRECTOR

DEPUTY DIRECTORS
JERRY M. MATSUDA
GLENN M. OKIMOTO

STATE OF HAWAII ⁹⁵ NOV 15 P1:11
DEPARTMENT OF TRANSPORTATION
869 PUNCHBOWL STREET
HONOLULU, HAWAII 96813-5007

IN REPLY REFER TO:

HWY-DS
2.7980

NOV 07 1995

OFFICE OF ENVIRONMENTAL
QUALITY CONTROL

TO: GARY GILL, DIRECTOR
OFFICE OF ENVIRONMENTAL QUALITY CONTROL

FROM: KAZU HAYASHIDA, DIRECTOR *K.H.*
DEPARTMENT OF TRANSPORTATION

SUBJECT: FINAL ENVIRONMENTAL ASSESSMENT (EA) FOR KAUMUALII
HIGHWAY IMPROVEMENTS AT KOLOA ROAD INTERSECTION
PROJECT NO. 50CD-01-91

The Draft Environmental Assessment has been reviewed and the Department of Transportation, Highways Division, has determined that this project will not have significant impacts on the environment and issued a negative declaration. Please publish notice of availability in the November 23, 1995 OEQC bulletin.

We have enclosed a completed OEQC Bulletin Publication form and four copies of the Final Environmental Assessment.

If you have any question, please contact Mr. Herbert Tao of the Highways Division at 587-2124.

Enclosures

153

1995-12-08-KA-*FEA*-*Kaumualii Hwy. Improvement at Koloa Road*
Intersection DEC 8 1995

FILE COPY

**FINAL
ENVIRONMENTAL ASSESSMENT
FOR
KAUMUALII HIGHWAY IMPROVEMENTS
AT KOLOA ROAD INTERSECTION
KOLOA, KAUAI, HAWAII**

Proposing Agency:

**HIGHWAYS DIVISION
DEPARTMENT OF TRANSPORTATION
STATE OF HAWAII
869 Punchbowl St.
Honolulu, Hawaii 96813**

Submitted Pursuant to Chapter 343, HRS

Prepared by:

**Kwock Associates, Inc.
Consulting Engineers
1953 S. Beretania St. Suite PH-B
Honolulu, Hawaii 96826**

OCTOBER 1995

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I. DESCRIPTION OF THE PROPOSED PROJECT

A. Project Description

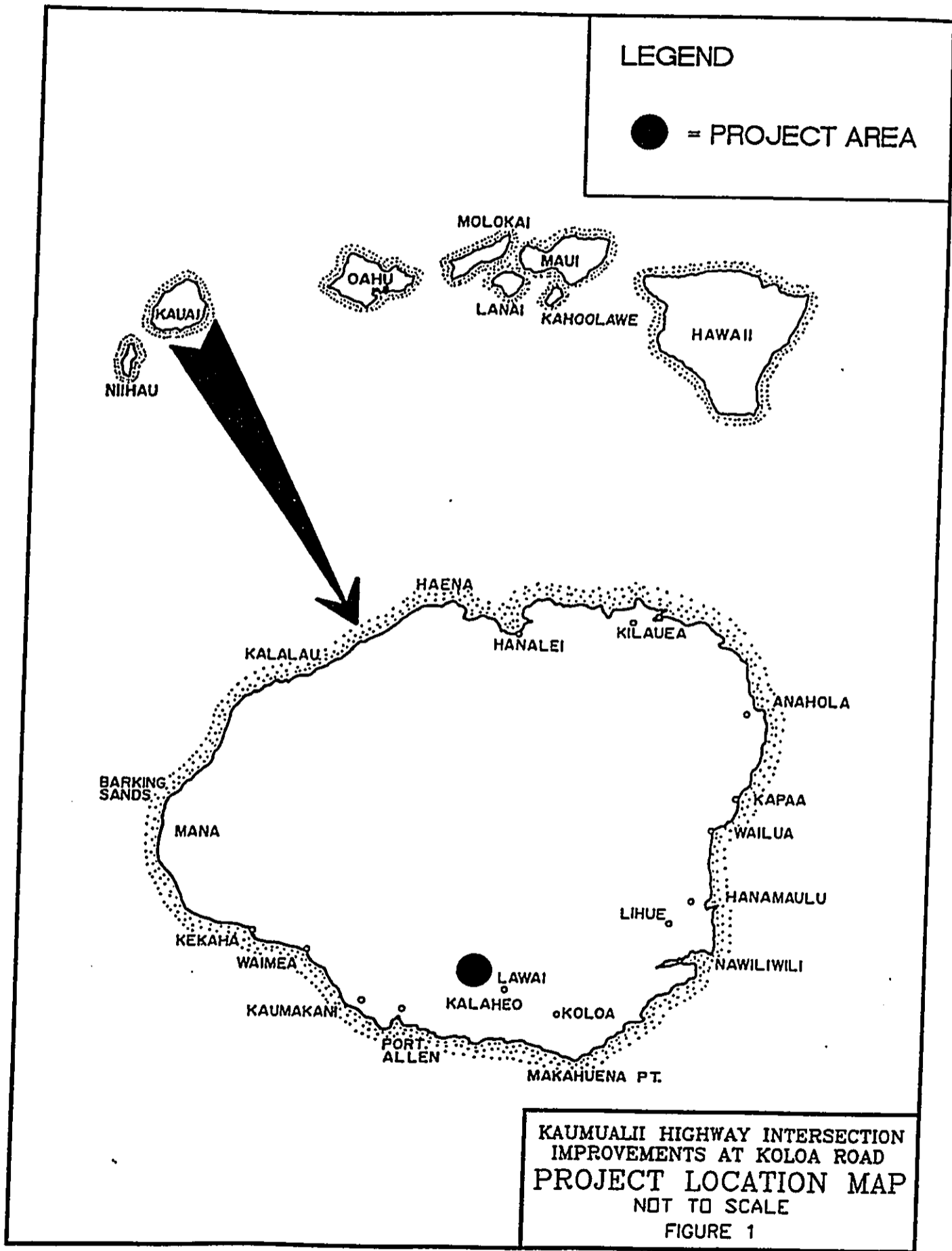
The project is located in the Koloa District along Kaumualii Highway, State Highway Route 50, near the town of Lawai and adjacent to Lawai Stream (Figure 1). The State of Hawaii, Department of Transportation, Highways Division, is proposing to widen Kaumualii Highway at Koloa Road by constructing left turn lanes, acceleration lanes and deceleration lanes.

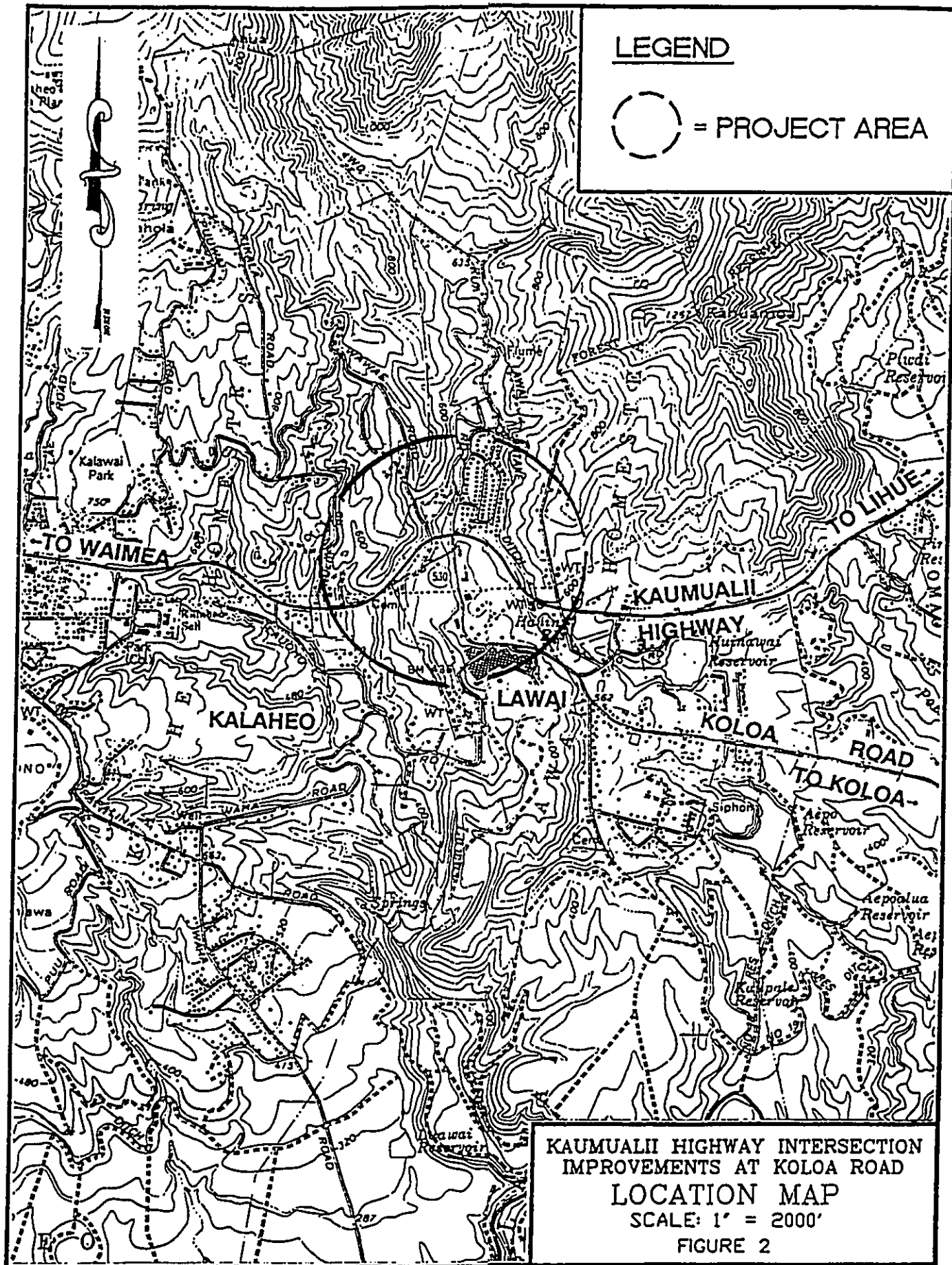
Traffic signals will be installed at the Koloa Road/Kua Road intersection and highway lighting will be installed along Kaumualii Highway. The bridge over Lawai Stream, about 200 feet from the intersection, will be widened approximately forty-four (44) feet to accommodate the proposed left and right turn lanes at the intersection. Roadway improvements will extend about one thousand feet along Kaumualii Highway on each side of the Koloa Road intersection (Figure 2). Widening of Kaumualii Highway will occur on the south (makai) side of the highway.

B. Objective of the Project

Population on the Island of Kauai has increased significantly since 1980. As traffic on Kaumualii Highway has increased with population growth, Waimea bound traffic on Koloa Road has greater difficulty turning onto Kaumualii Highway. Similarly, traffic on Koloa Road also has difficulty crossing Kaumualii Highway to Kua Road. The number of accidents at the intersection has increased with the increase in traffic and population on Kauai.

The objective of the project is to provide a safer intersection, better integration of through traffic on Kaumualii Highway and turning traffic





from both the highway and Koloa/Kua Roads, and reduce the number of accidents at the intersection by providing traffic signals and exclusive turning lanes for traffic.

C. Existing Highway System

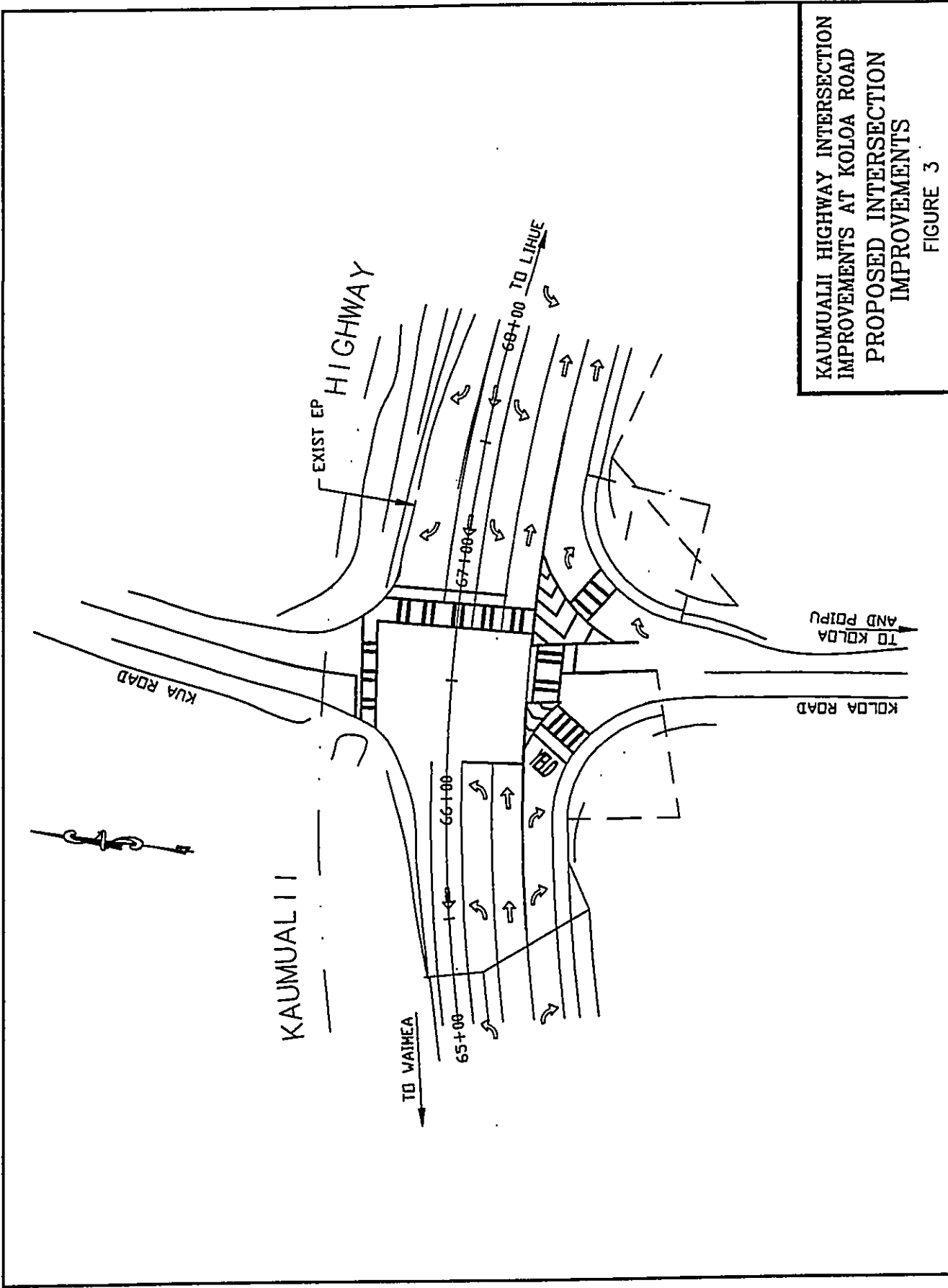
Kaumualii Highway is part of the Kauai Belt Road which connects Lihue with Lawai, Kalaheo, Hanapepe, Waimea and the U. S. Navy Pacific Missile Range Facility (PMRF) at Barking Sands. Kaumualii Highway also serves as a connector via Koloa Road between the resort area of Poipu and the west side of the island. The existing highway is a two lane highway with a posted speed limit of 35 miles per hour in the vicinity of the project site. Stop signs provide traffic control at the intersection for Koloa and Kua Road traffic. The roadway is on an eight hundred (800) foot radius curve for most of the project area. Koloa and Kua Roads are near the low point of the highway, where Lawai Stream also crosses the highway. The existing bridge over Lawai Stream is a two (2) lane reinforced concrete bridge built in 1934. Approaches on Kaumualii Highway to the Koloa/Kua Road intersection from Lihue and Waimea are on a 6% down grade.

At the Koloa Road intersection, an acceleration lane in the Lihue bound direction was constructed as part of the Lawai Gardens subdivision in 1992. The acceleration lane connected to the truck climbing lane constructed by the State Department of Transportation in 1974.

D. Proposed Highway Improvements

The project proposes the following:

1. Construction of a protected left turn lane on Kaumualii Highway for left turning traffic to Kua Road (Figure 3).
2. Construction of a protected left turn lane on Kaumualii Highway for left turning traffic to Koloa Road.



KAUMUALI HIGHWAY INTERSECTION
 IMPROVEMENTS AT KOLOA ROAD
 PROPOSED INTERSECTION
 IMPROVEMENTS

FIGURE 3

3. Widen existing Lawai Bridge about 44 feet on the downstream side of Lawai Stream. A protected pedestrian way will be included on the widened bridge (Figure 4 and Figure 4A).
4. Remove stop signs and install traffic signals at the Kaumualii Highway - Koloa Road intersection. Flashing yellow beacons will be installed along Kaumualii Highway approximately 600 feet from the intersection to warn oncoming motorists of the presence of traffic signals at the intersection.
5. Provide cross walks and pedestrian actuated signals with the traffic signal system.
6. Install street lighting at the intersection and along Kaumualii Highway.
7. Provide 6-foot wide shoulders along the improved section of highway.

E. Funding

The project has a estimated construction cost of \$2,400,000 and will be funded with federal and state highway funds. Land acquisition costs are estimated to be about \$350,000.

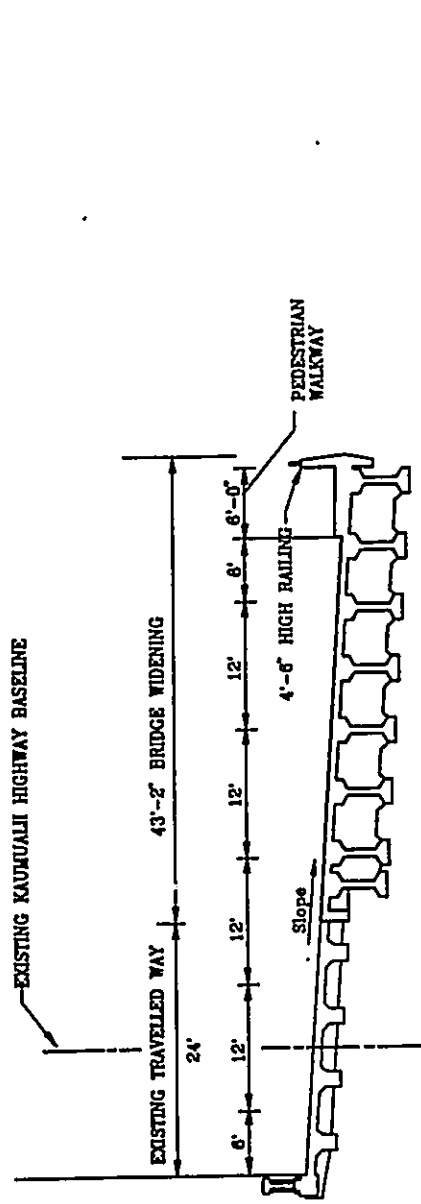
F. Schedule

Construction of the project is expected to begin in mid-1996 and be completed by the end of 1997.

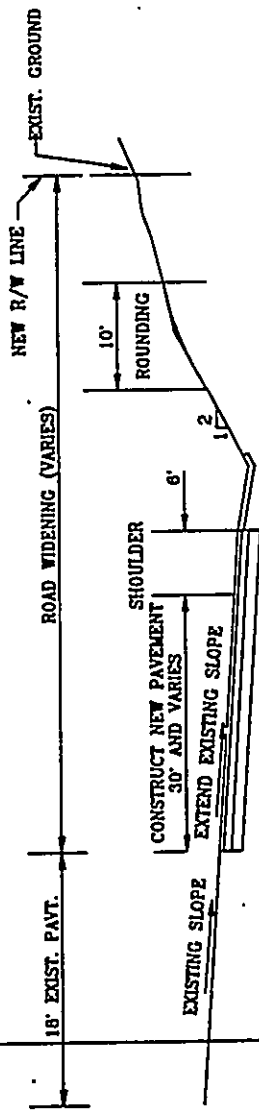
II. NEED

This project is required to provide orderly progression of traffic at the Kaumualii Highway - Koloa Road intersection, reduce accidents and provide a safer intersection.

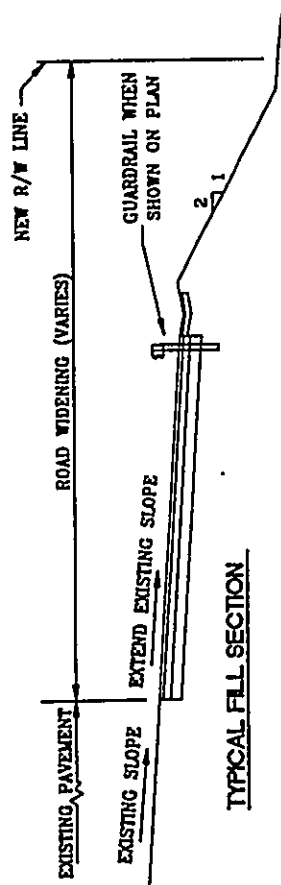
Traffic counts taken at the intersection show a total of 18,937 vehicles entering the intersection during a 24-hour period. This represents an 80% increase of traffic since 1979. The increase in traffic corresponds to the increase in population during the period of 1980 to 1992.



BRIDGE WIDENING OVER LAWAI STREAM

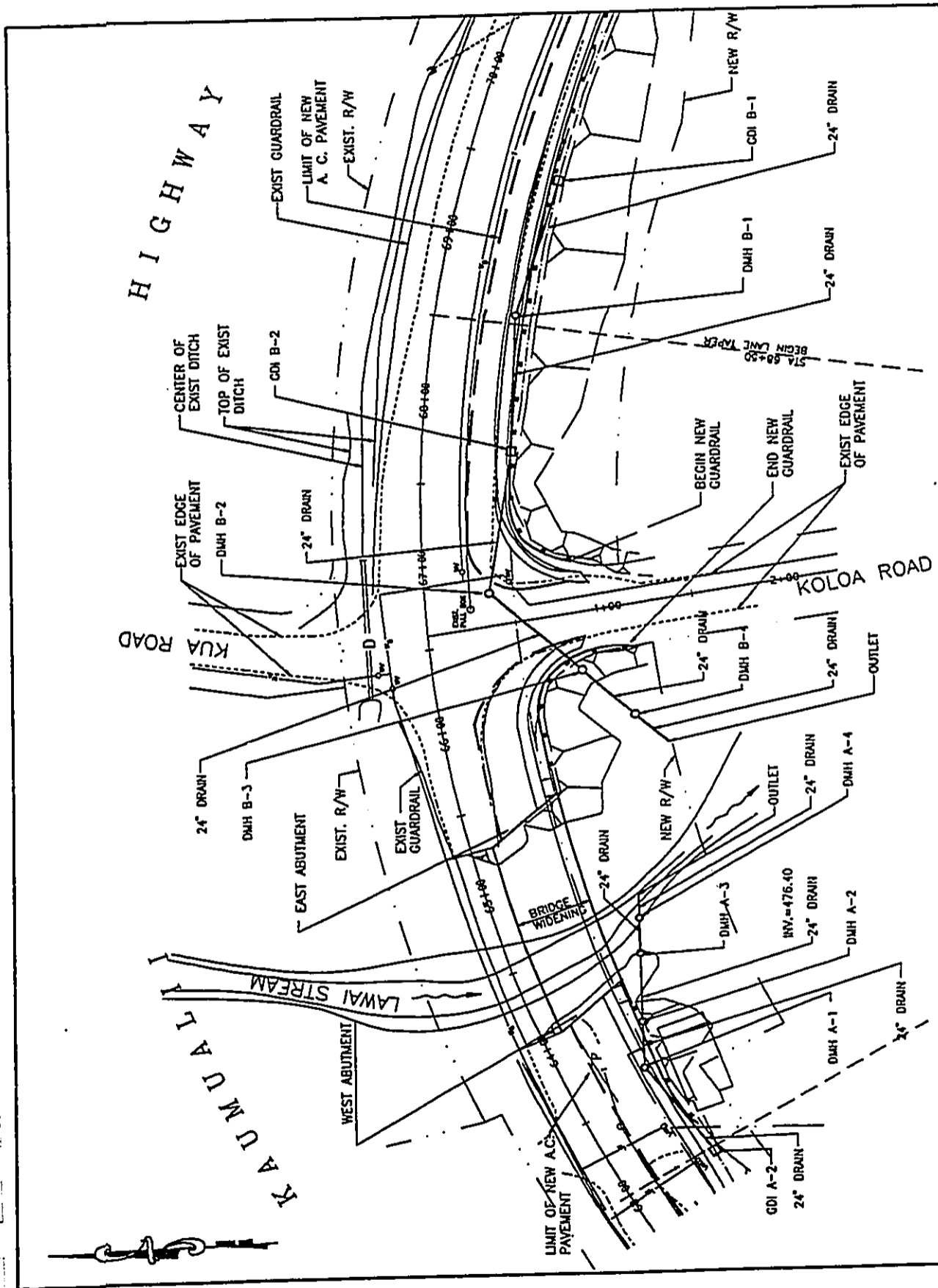


TYPICAL CUT SECTION



TYPICAL FILL SECTION

KAUMUALI HIGHWAY INTERSECTION
IMPROVEMENTS AT KOLOA ROAD
TYPICAL SECTIONS
NOT TO SCALE
FIGURE 4



KAUAI HIGHWAY INTERSECTION
IMPROVEMENTS AT KOLOA ROAD
LAWAI BRIDGE WIDENING
FIGURE 4A

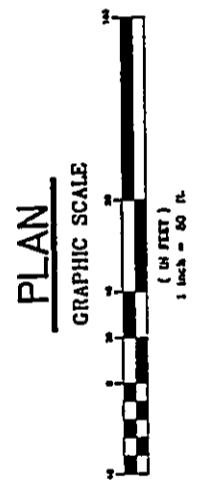


TABLE 1: 24-TRAFFIC VOLUMES (VEHICLES)

YEAR	KAUMUALII HIGHWAY		KOLOA ROAD	KUA ROAD
	Waimea Bound	Lihue Bound	North Bound	Both Directions
1979	7,082	9,656	3,346	864
1981	7,415	9,590	3,536	1,261
1983	7,729	11,564	4,050	1,141
1985	8,564	12,304	4,257	1,376
1987	9,657	14,646	5,302	1,277
1989	10,441	16,035	5,650	1,378
1991	12,882	16,810	6,430	1,594

TABLE 2: PEAK HOUR TRAFFIC VOLUMES (VEHICLES/HOUR)

Time	KAUMUALII HIGHWAY		KOLOA/KUA ROADS	
	AM Peak	PM Peak	AM Peak	PM Peak
6:45AM-7:45AM	1,663			
4:30PM-5:30PM		1,307		
6:30AM-7:30AM			1,191	
3:30PM-4:30PM				1,179

Morning peak hour traffic occurs between 6:45 A. M. and 7:45 A. M. and evening peak hour traffic occurs between 4:30 P. M. to 5:30 P. M.

The number of accidents at the intersection has more than doubled in the past 10 years. Table 3 shows the number of accidents at the Kaumualii Highway/Koloa Road intersection since 1986. The number of accidents in 1986 was three (3). For the years 1987 to 1991, the number of accidents ranged from 6 to 11 per year. There were a total of 32 accident related injuries as a result of the 42 accidents from 1986 to 1991. The increase in accidents is attributable to increased traffic and congestion at the intersection.

TABLE 3: ACCIDENTS

	1986	1987	1988	1989	1990	1991	TOTAL
Accidents	3	6	10	11	6	6	42
Injuries	4	4	7	14	0	5	34

Kauai is a popular visitor destination and desirable residential community. The population of Kauai has been growing at a much greater rate than the State of Hawaii. The State of Hawaii population has been increasing at the rate of about 15% in the past two decades. Kauai's population has nearly doubled in the same period. (State Data Book 1992). Table 4 shows the population growth since 1970. The population of the County of Kauai is projected to grow to 65,000 by the year 2000 (Kauai County 1992). The impact of Hurricane Iniki which caused widespread damage to Kauai in September 1992 will temper population growth and actual population may be lower than the County projection of 65,000 residents.

TABLE 4: POPULATION OF THE ISLAND OF KAUAI

Year	1970	1980	1990	1992	2000
Population	29,524	38,856	50,947	55,300	65,000

III. DESCRIPTION OF THE ENVIRONMENTAL CHARACTERISTICS

A. Location

The project is located on the Island of Kauai in the District of Koloa on Kaumualii Highway in the vicinity of Lawai Stream. The area is predominately classified by the State Land Use Commission as agricultural and urban. The length of the improvement is about 2,000 feet.

B. Climate

Temperatures in the area range between 75°F and 80°F. Rainfall ranges between 60 to 100 inches per year.

C. Soils

Soils in the area are classified by the United States Soil Conservation Service as follows:

1. Rough Mountainous Land (rRT), Rough Broken Land (rRR) and Rock Outcrop (rRO) Association.
This association consists of well drained soil types on uplands on Kauai.
2. Hihimanu Silty Clay Loam (HMMF)
Hihimanu Series consists of well-drained soils on uplands on Kauai. These soils developed in material weathered from basic igneous rock and colluvium at the base of slopes. Permeability is moderately rapid, runoff is medium and erosion hazard is moderate. The soil has a low shrink swell potential.
3. Kalapa Series
This series consists of well-drained soils at the base of slopes on the island of Kauai. The soil has a moderate shrink swell potential.
4. Puhi Series
This series consists of well drained soils on uplands on the island of Kauai. These soils developed in material derived from basic igneous rock. Puhi soils are geographically associated with Lihue and Kapaa soils and have a moderate to low shrink swell potential.

5. **Koolau Series**

This series consists of poorly drained soils on the upland of the island of Kauai. The soil has a low to moderate shrink swell potential.

6. **Hanamaulu Series**

This series consists of well drained soils on stream terrace breaks on the island of Kauai. The soil has a low shrink swell potential.

Soils in the area are stable and the erosion hazard is low to moderate.

D. Archeological and Cultural Characteristics

The project is located in a developed area and construction will be limited to the south (makai) side and within to one hundred (100) feet of the existing right-of-way.

A building located on TMK 2-5-04:14 which is located on the Waimea side of the Lawai bridge has been identified by the State Historic Preservation Division of the Department of Land and Natural Resources as being a historic resource whose demolition may be mitigated through photo and historic documentation. Photographs of the building and other documentation in accordance with the U. S. Department of Interior Historic American Building Survey standard documentation will be prepared. Widening of the Lawai bridge, a Category 2 bridge, has also been reviewed by the State Historic Preservation Division and it was determined that since there are a number of identically built bridges, there will be no effect on historic resources. There are no other known historical buildings or archeological culturally significant findings in the project area.

However, should historic sites including human burials be uncovered during construction, all work in the vicinity of the site will be stopped immediately and the State Historic Preservation Division of the Department of Land and Natural Resources will be notified immediately.

E. Flora and Fauna

Existing vegetation in the area consists of grass, keawe, coconut trees, plumeria, african tulips, bougainvillea, ironwood trees, and haole koa. Animal life in the project area consists mainly of domesticated cats and dogs, and rodents. Bird life is consists of Mynah birds, Barred Doves, Spotted Doves, and Sparrows. There are no known endangered flora or fauna species in the project area.

Highway lighting will be shielded and downward directed to minimize the possibility of migrating birds in flight transiting the project area being disoriented by the bright street lights or becoming attracted to the lights and colliding with the street lighting posts.

F. Utilities

There are existing water and overhead telephone and electrical lines in the project area. Some of the power poles will be relocated when the highway is widened. The 8-inch waterline located in Kaumualii Highway will not be affected by construction although service laterals must be extended and water meters on the south side of the highway where the widening will occur will be relocated.

GTE Hawaiian Telephone Co. is installing fiber optic cables on poles in the vicinity of Koloa Road and Kaumualii Highway. Ultimately, GTE Hawaiian Telephone Co. will be installing underground fiber optic cables after this project has been completed. This project will

not affect the fiber optic cables.

G. Land Use

The area surrounding the highway improvement is predominately classified by the State Land Use Commission as Agricultural and Urban (Figure 5). Kukuiolono Park is classified as Conservation. Widening the highway will require additional *right-of-way be acquired* from six (6) private land owners. Five (5) of the properties affected by the proposed project are designated agricultural and one is classified as urban. Park lands and recreation areas will not be affected by this project.

H. Zoning

The five (5) properties classified as agricultural are also zoned agricultural by Kauai County. The urban classified parcel is zoned R-4.

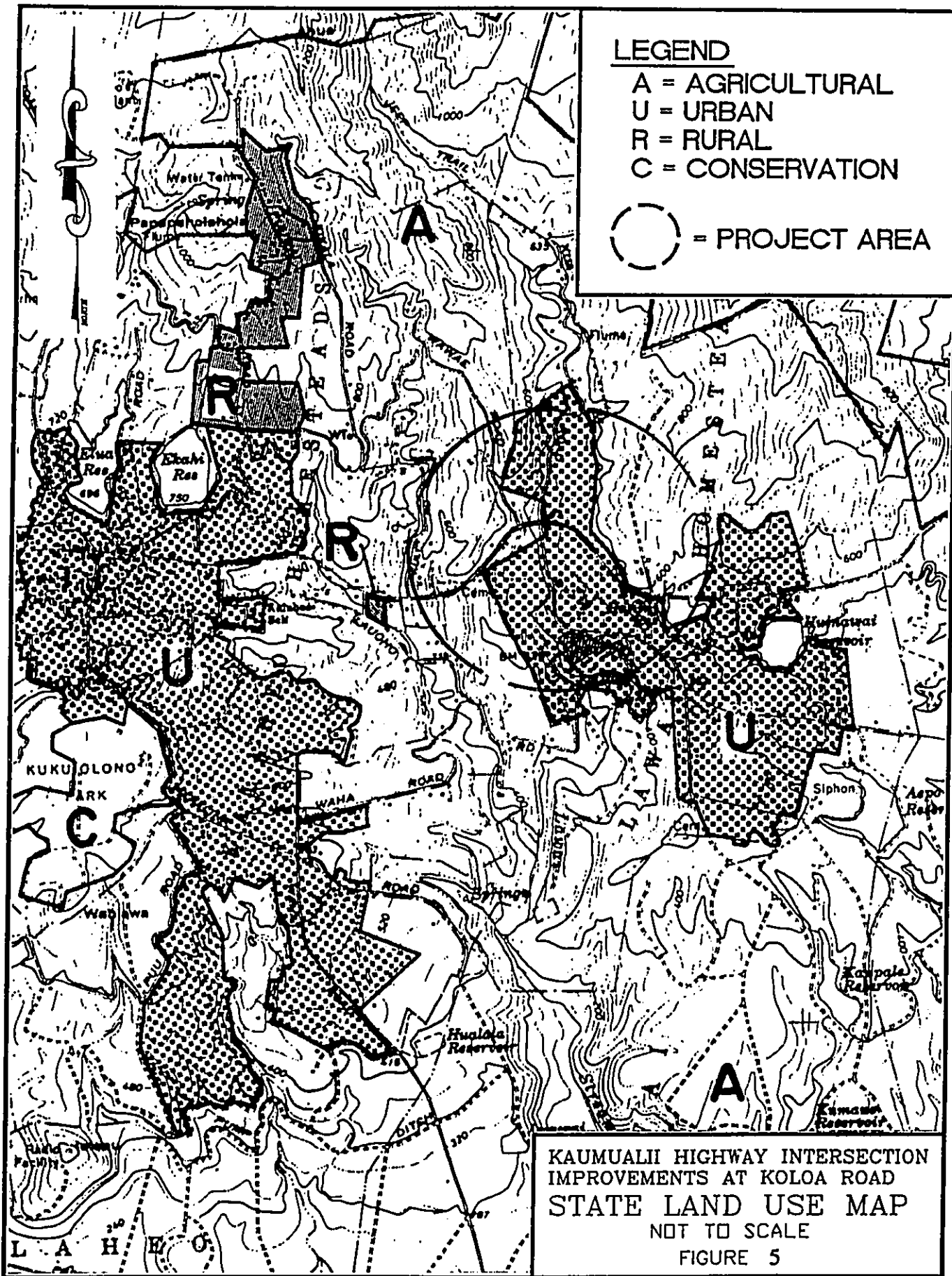
I. Socioeconomic Characteristics

1. Population

The Island of Kauai has experienced steady population growth since 1980. The 1992 population of Kauai was estimated to be 55,300 (State of Hawaii, Department of Business and Economic Development, 1992), an increase of more than forty (40) percent since 1980. Kauai's population is expected to grow to 65,000 by the year 2000 (Kauai County, 1992).

2. Tourism

Tourism represents a significant part of Kauai's economy. The primary resort areas on Kauai are located in the Poipu-Kikuiula area along the south coast of Kauai and Wailua-Kapaa area along the east coast of the island. Hurricane Iniki



caused significant damage to the Kauai and the island has not fully recovered from the damage to existing facilities.

J. PERMITS AND APPROVALS REQUIRED

1. The following permits may be required:
 - a. Stream Channel Alteration Permit (SCAP) from the State Department of Land and Natural Resources, Commission on Water Resource Management
 - c. Department of the Army Permit, Section 10 of the Harbors Act from the U. S. Army Corps of Engineers
 - d. National Pollution Discharge Elimination System (NPDES) Permit from the State Department of Health.
 - e. A grading permit from Kauai County Department of Public Works.
 - f. Section 401 Water Quality Certification from State Dept. of Health
2. The following approvals are required:
 - a. County of Kauai Department of Public Works
 - b. County of Kauai Department of Water Supply

IV. ENVIRONMENTAL IMPACTS AND MITIGATION MEASURES

A. LONG TERM IMPACTS

1. Economic Impact

There are no long term economic impacts as a result of this project.

2. Air Quality Impact

Ambient air quality will not be affected by this project.

3. Water Quality Impact

Water quality will not be affected by this project. All areas

disturbed by construction will be grassed or replanted.
Lawai Stream is an intermittent stream. The slope of the stream bed in the vicinity of the bridge is in the range of 4%. The banks of the stream are very definitive. The material in the stream bed is coarse. Banks are well vegetated, an indicator of a stable stream with stable slopes.

Bridge construction at Lawai Stream will require fill be placed in Lawai Stream to construct the east abutment of the bridge widening. Sheet piling will be used as a silt containment fence and to provide a dry area to place fill. Unsuitable material will be excavated from the stream before select fill material is placed for the new abutment. The new abutment slope will be lined with grouted rubble paving to prevent erosion of the finished slope. The bridge widening will span the stream and additional piers in the Lawai Stream will not be required. East abutment construction will not substantially restrict the flow area of the stream.

Construction of the west abutment will require excavation at the top of Lawai Stream to accommodate the abutment. Excavation will not extend to the wetted area of the stream. Two drain outlets will also be constructed in Lawai Stream. Grouted rubble paving will be constructed to repair trenches in the slopes of the stream. The outlet in the stream will also be grouted rubble paving.

Silt fences will be installed around the work sites before the start of bridge construction to prevent migration of silt in the stream.

4. Traffic Impact

Construction of this project will not have a significant effect on automobile traffic in the Lawai-Kalaheo area.

5. Noise Impact

There will be no long term noise impact caused by this project.

6. Biological Impact

The area of the widening is a disturbed area and does not contain any endangered species of flora or fauna. There will be no long term impacts caused by the proposed project.

7. Archeological Impact

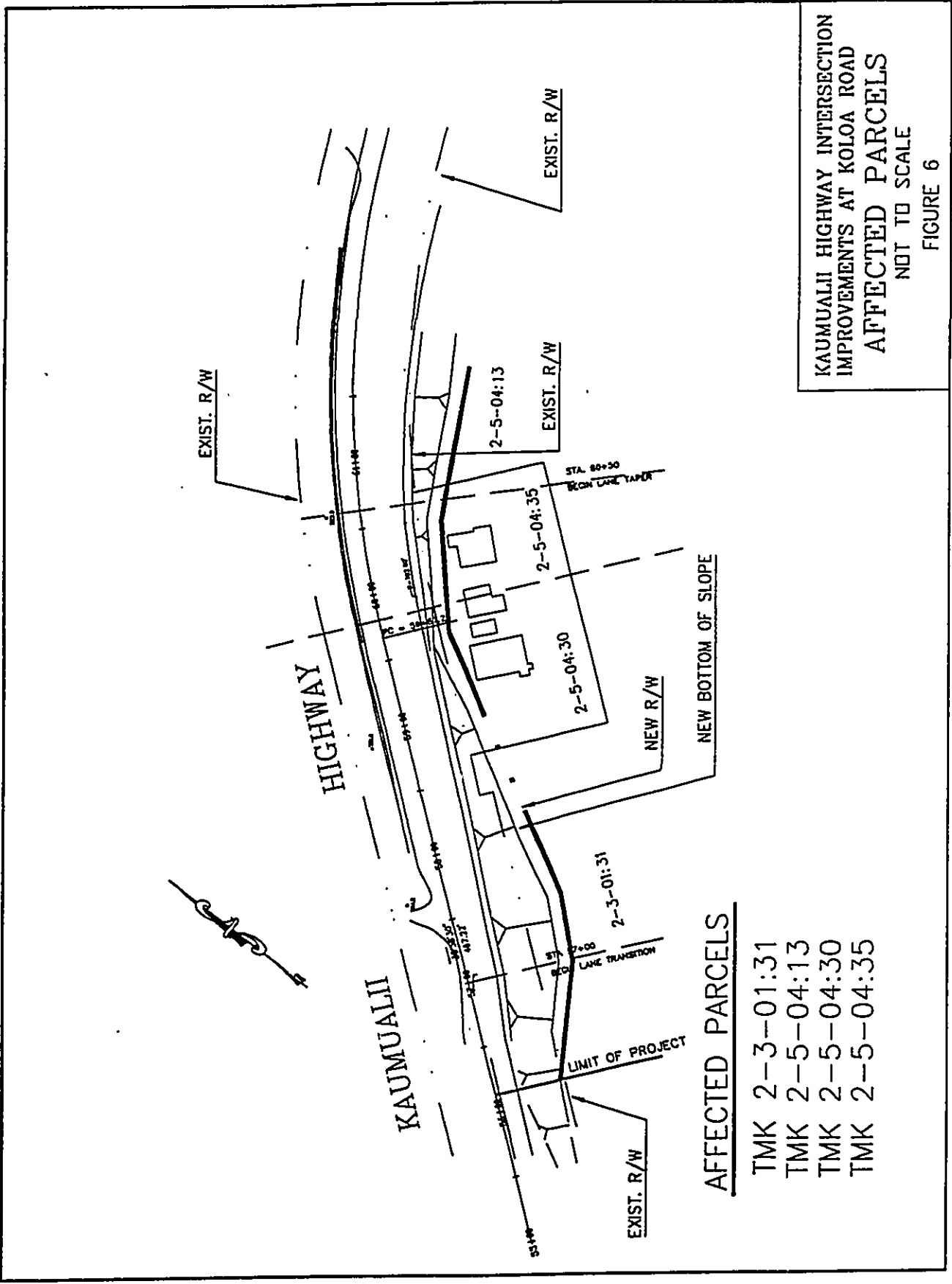
A building located on TMK 2-5-04:14, west of the Lawai bridge, has been identified as a historic resource. Photographs and documentation will be prepared to document the building in accordance with U. S. Department of the Interior Historic American Building Survey standards to mitigate the impact of removing the building. The project area does not contain any other known archeological or historical sites which will be disturbed by this project.

8. Recreational Use

This project will not impact recreational use of the Lawai-Kalaheo area.

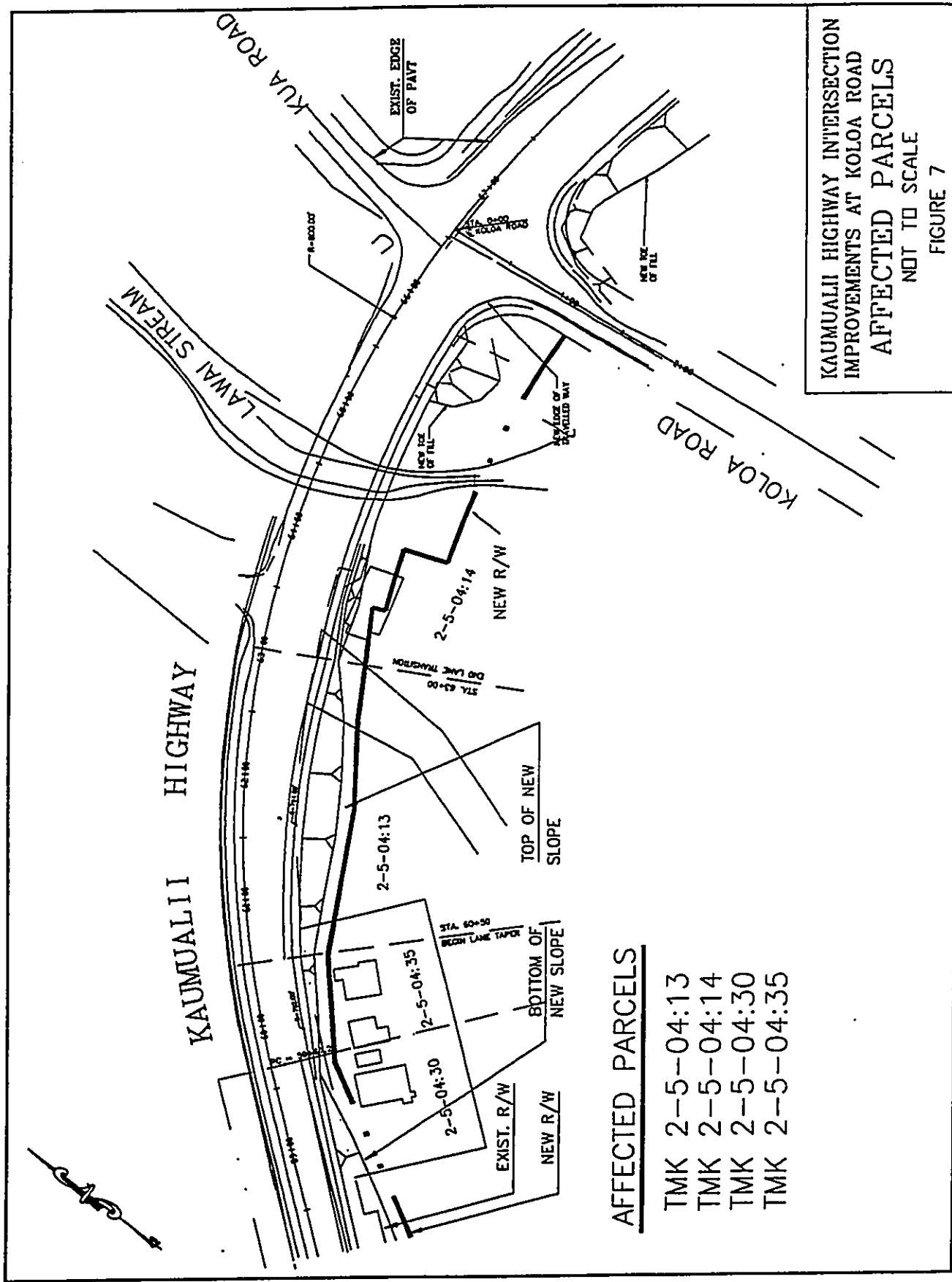
9. Social Impacts

This project will require the land acquisition from six (6) land owners on the south side of Kaumualii Highway where the highway will be widened (Figures 6, 7, 8). The following properties are affected: TMK 2-3-01 Parcel 31, 2-5-04 Parcel 13, 2-5-04 Parcel 14, 2-5-04 Parcel 30, 2-5-04 Parcel 35, and 2-5-11 Parcel 75.



- AFFECTED PARCELS
- TMK 2-3-01:31
 - TMK 2-5-04:13
 - TMK 2-5-04:30
 - TMK 2-5-04:35

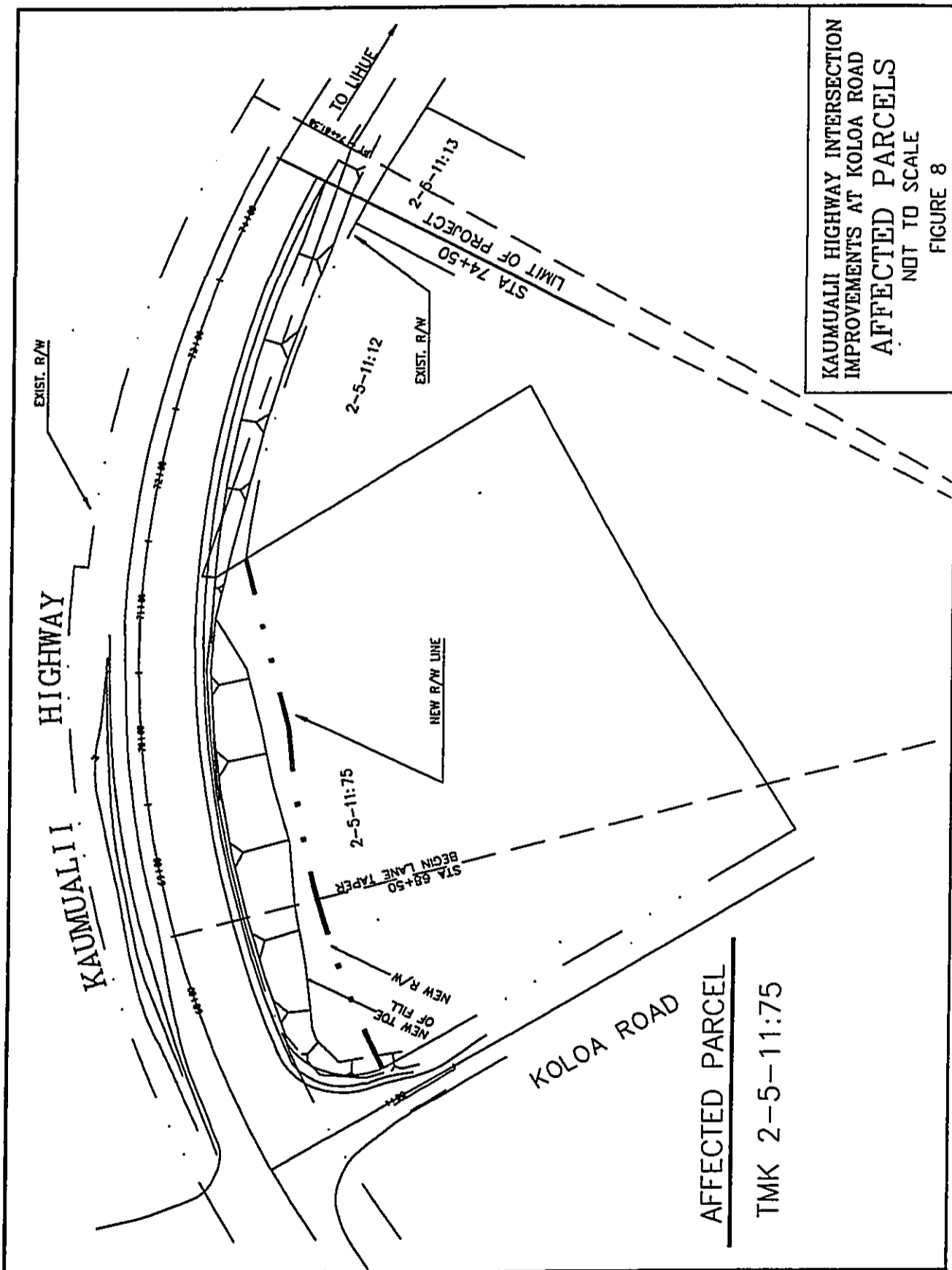
KAUMUALII HIGHWAY INTERSECTION
IMPROVEMENTS AT KOLOA ROAD
AFFECTED PARCELS
NOT TO SCALE
FIGURE 6



KAUMUALII HIGHWAY INTERSECTION
IMPROVEMENTS AT KOLOA ROAD
AFFECTED PARCELS
NOT TO SCALE
FIGURE 7

AFFECTED PARCELS

- TMK 2-5-04:13
- TMK 2-5-04:14
- TMK 2-5-04:30
- TMK 2-5-04:35



KAUMUALII HIGHWAY INTERSECTION
 IMPROVEMENTS AT KOLOA ROAD
 AFFECTED PARCELS
 NOT TO SCALE
 FIGURE 8

AFFECTED PARCEL
 TMK 2-5-11:75

TABLE 5: AFFECTED PARCELS

TAX MAP KEY	APPROX. LAND AREA REQUIRED (SQ. FT.)	ORIGINAL AREA (ACRES)	REMAINING AREA (ACRES)
2-3-01 Parcel 31	5,100	3.36	3.24
2-5-04 Parcel 13	6,100	1.71	1.57
2-5-04 Parcel 14	20,100	2.30	1.84
2-5-04 Parcel 30	1,000	0.23	0.21
2-5-04 Parcel 35	1,000	0.22	0.20
2-5-11 Parcel 75	21,800	2.78	2.28

The additional right-of-way will be purchased by the State. Displaced individuals, families, businesses and farms, and non-profit organizations will be eligible for relocation assistance services and payments from the State.

B. CONSTRUCTION RELATED IMPACTS

1. Economic Impact

The construction cost of the project is estimated to be \$2,400,000. The project will be funded by State and Federal monies. Private funds will not be used. Job opportunities will be generated as a result of this project.

2. Air Quality Impact

There will be a temporary increase of dust and vehicular exhaust emissions during construction. The dust generated will be limited to within one-hundred (100) feet of the existing road right-of-way and to the demolition of the existing concrete wall on the downstream end of the bridge. Appropriate application

of water and dust fences will be used to minimize dust during construction. The Contractor will be required by the contract documents to provide effective dust control measures to prevent or minimize fugitive dust emission generated by construction from impacting the surrounding area including the project site and off-site roadways used as access to work sites. There will be increased exhaust emissions from equipment during construction and ambient air quality will be affected but the increase in emissions will only be temporary and will not adversely affect air quality in the long term. The prevailing northeast trade winds will also help to disperse emission concentrations. The Contractor will be required to conform to Chapter 44B Public Health Regulations of the Department of Health, State of Hawaii, "Community Noise Control For Kauai" in which maximum allowable noise levels have been set.

3. Water Quality Impact

The Contractor will be required to provide erosion control measures in accordance with the requirements of the NPDES permit. Construction of the bridge abutments and fill along Kaumualii Highway will cause siltation in Lawai Stream. However, the bridge has been designed without any piers in the stream thereby eliminating a source of stream pollution. Existing drainage patterns will not be significantly affected by this project. All exposed slopes and areas resulting from construction activities will be grassed as soon as practicable. Water quality of the receiving waters of storm runoff will remain unchanged. Excavated material will not be stored

along Kaumualii Highway. The Contractor will be required to periodically remove excess material along the highway. The Contractor will be responsible for conformance with applicable provisions of the Chapter 54, Water Quality Standards, and Chapter 55, Water Pollution Control of Title 11, Hawaii Administrative Rules of the State Department of Health.

4. Erosion

Erosion is expected to be minimal as construction will be limited to built up areas and construction will be located within one-hundred feet of the south side of Kaumualii Highway. Landscaping or grassing disturbed by construction will be replanted by the Contractor as soon as practicable.

5. Traffic Impact

Temporary lane closures may be required for short periods during construction along Kaumualii Highway and Koloa Road. Policemen and flag men will be utilized to direct traffic and maintain safe traffic conditions along Kaumualii Highway, Koloa Road and Kua Road. There will be a temporary increase in traffic due to construction workers and equipment.

6. Noise Impact

There will be a temporary increase in noise due to construction activity. Construction hours will be limited as restricted by law. Noise levels generated by construction will be governed by Public Health Regulations, Title 11, Chapters 42, 43, and 44B of the State Department of Health.

7. Biological Impact

There are no known endangered species of flora or fauna in

the area. Any vegetation disturbed by construction will be replanted by the completion of construction.

8. Archeological Impact

There are no known archaeologically significant areas near the project site. This project will be constructed in a developed area. However, should archeological artifacts or sites are be uncovered during widening of the highway, work in the area will be stopped and the Department of Land and Natural Resources, Historic Preservation Office will be notified to inspect the site.

9. Recreational Facilities Impact

Construction of the Kaunualii Highway intersection improvements will not impact recreational activities in the area.

V. RELATIONSHIP OF PROPOSED ACTION TO LAND USE PLANS, POLICIES, AND CONTROLS OF THE AFFECTED AREA.

The proposed action is the widening of an existing highway and is compatible with land use plans, policies, and controls in the affected area.

VI. ALTERNATIVES TO THE PROPOSED ACTION - NO PROJECT

The only alternative to the project is no project. Should the project not be constructed, State funds for this project will be allocated to other projects.

VII. AGENCIES AND PERSONS CONSULTED

1. Federal Agencies

Federal Highway Administration Region IX
U. S. Army Corps of Engineers
Soil Conservation Service

2. State Legislators

The Honorable Lehua Fernandez Sallings - State Senate
The Honorable Bertha Kawakami - State House

3. State Agencies

Department of Transportation

Department of Accounting and General Services

Office of State Planning

Department of Land and Natural Resources, Commission on
Water Resource Management

Department of Land and Natural Resources, Historic
Preservation Division

Department of Land and Natural Resources, Office of Conservation
Affairs

Department of Health

Department of Business, Economic Development and Tourism

Office of Environmental Quality Control

State Land Use Commission

University of Hawaii, Manoa, Environmental Center

4. County of Kauai

The Honorable Maryanne Kusaka, Mayor

Building Department

Fire Department

Planning Department

Police Department

Department of Public Works

Department of Water Supply

Office of Economic Development

Department of Water Supply

5. Private Organizations

Lawai/Kalaheo Neighborhood Board

6. **Private Utilities**
Kauai Electric Co.
GTE Hawaiian Telephone Co.

VIII. DETERMINATION

After studying the project, completing an assessment of the potential environmental effects of the proposed project, and consulting with governmental and private parties, it has been determined that the resulting impacts of this project will not result in any significant long term adverse environmental impacts. Based on these findings, it is determined that this action does not require an Environmental Impact Statement under Chapter 343, HRS. Accordingly, this document constitutes a notice of Negative Declaration.

IX. REASONS FOR SUPPORTING THE DETERMINATION

Reasons supporting the Negative Declaration determination are based on findings that the project will not:

1. Involve an irretrievable commitment to loss or destruction of any natural or cultural resource.
2. Curtail the range of beneficial uses of the environment.
3. Conflict with the State's long term environmental policies or goals expressed in Chapter 343, Hawaii Revised Statutes, any revisions thereof and amendments thereto, court decisions, or executive orders,
4. Substantially adversely affect the economic or social welfare of the State or community,
5. Substantially adversely affect public health,
6. Involve substantial degradation of environmental quality,
7. Detrimentally affect air, water or ambient noise levels,
8. Adversely affect rare, threatened, or endangered species, or its habitat.

X. APPENDIX

COMMENTS BY CONSULTED PARTIES AND RESPONSES



United States
Department of
Agriculture

Natural
Resources
Conservation
Service

P. O. Box 50004
Honolulu, HI
96850-0001

RECEIVED
JUL 14 1995



STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
859 PUNCHBOWL STREET
HONOLULU, HAWAII 96813-5037

RECEIVED
Hwy-DS
2.6919

July 13, 1995

Kwock Associates, Inc.
Consulting Engineers
1953 S. Beretania St., Suite PH-8
Honolulu, HI 96826

Subject: Draft Environmental Impact Assessment
Kaunualii Hwy Intersection Improvement at
Koloa Road, Koloa, Kauai, Hawaii

Mr. Kenneth M. Kaneshiro
State Conservationist
United States Department of Agriculture
Natural Resources Conservation Service
P.O. Box 50004
Honolulu, Hawaii 96850-0001

August 21, 1995

We have reviewed the subject draft EIS and note that during construction as you have stated, sediment production is inevitable. Because the area at the construction site is steep and at Lawai Stream, and because there is marsh, wetland, open fresh water, beach, and reef areas downstream near the mouth, we recommend:

1. Use erosion protection material (either hydromulch, chemical and/or geotextile) during construction where bare soil is exposed. One should be particularly sensitive to the sedimentation hazard during the rainy season;
2. Because of possible downstream effects, please add U.S. Fish and Wildlife Service to your list of reviewers.

Thank you for the opportunity to comment.

KENNETH M. KANESHIRO
State Conservationist

cc: John Schlegel, Lihue Field Office

RECEIVED

JUL 14 1995

KWOCK ASSOCIATES, INC.

The Natural Resources Conservation Service
is an Equal Opportunity Employer.
Minority and female employees are encouraged to apply.
Employees' federal revenues are pre-tax funds.

AN EQUAL OPPORTUNITY EMPLOYER

Dear Mr. Kaneshiro:
Subject: Draft Environmental Assessment for Kaunualii
Highway Intersection Improvements at Koloa Road,
Lihue, Kauai, Project No. 50CD-01-91

Thank you for your comments dated July 13, 1995, on the subject highway improvements. As requested, a copy of the draft Environmental Assessment was provided the U.S. Fish and Wildlife Service for review and comments.

The contractor will be required to implement erosion control measures during construction as part of the State Department of Health permit requirements.

Very truly yours,

Hugh Y. Ono
Administrator
Highways Division

KAUAIANASOQA
D-101, 178
REPUT. DISTRICT
OFFICE
KALANANAKU
KALANANAKU

IN REPLY REFER TO
HWY-DS
2.6915



STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
659 PUNCHBOWL STREET
HONOLULU, HAWAII 96813-5697

August 14, 1995

Re:!
TO: H.S. RAE M. LOUI, DEPUTY DIRECTOR
DEPARTMENT OF LAND AND NATURAL RESOURCES
FROM: HUGH Y. ONO, ADMINISTRATOR *[Signature]*
HIGHWAYS DIVISION

SUBJECT: DRAFT ENVIRONMENTAL ASSESSMENT FOR KAUNUALII
HIGHWAY INTERSECTION IMPROVEMENTS AT KOLOA ROAD,
LIHUE, KAUAI
PROJECT NO. 50CD-01-91

Thank you for your comments dated July 12, 1995, on the subject highway improvements. A stream channel alteration permit will be obtained from the Department of Land and Natural Resources before the start of construction of the project. We will also be obtaining the other required permits concurrently with the stream channel alteration permit.

Thank you for your timely response.

IN HAWAIIAN
KALANANAKU

MICHAEL D. WILSON
Commissioner
ROBERT G. DONALD
DAVID A. SCHWALL
LAWRENCE K. MEE
RICHARD H. COE
RAE M. LOUI, P.E.
DEPUTY



STATE OF HAWAII
DEPARTMENT OF LAND AND NATURAL RESOURCES
COMMISSION ON WATER RESOURCE MANAGEMENT
P.O. BOX 511
HONOLULU, HAWAII 96808

JUL 12 1995

Mr. Edison C.Y. Kwock, P.E.
Kwock Associates, Inc.
1953 S. Beretania Street, Suite PH-B
Honolulu, Hawaii 96826

Dear Mr. Kwock:

Thank you for allowing us to review and comment on the Draft Environmental Assessment for the Kaunualii Highway Improvements at Koloa Road Intersection.

Page 15 of the document acknowledges the possible need for a stream channel alteration permit pursuant to Section 13-169-50, Hawaii Administrative Rules. A stream channel alteration permit would be required if the bed or banks of stream channels are affected by the proposed project. A list of other related permits which may be required by other agencies is also indicated on Page 15. This information facilitates our review of the project.

Should you have any questions regarding this letter, please do not hesitate to call David Higa at 587-0249.

Sincerely,

[Signature]

RAE M. LOUI
Deputy Director

DH:ss

RECEIVED

JUL 13 1995

KWOCK ASSOCIATES, INC.



DEPARTMENT OF THE ARMY
U.S. ARMY ENGINEER DISTRICT, HONOLULU
FT. SHAFTER, HAWAII 96858-5440

JUL 17 1995

REPLY TO
ATTENTION OF

Operations Division

Mr. Edison C.Y. Kwock
Kwock Associates, Inc.
1953 S. Beretania St., Suite PH-B
Honolulu, Hawaii 96826

Dear Mr. Kwock:

This letter is in response to your request for comments on your Kaunualii Highway Improvements Project in Koloa, Kauai.

More specific information on the bridge work is necessary for us to make a final decision. Based on the information provided, a Department of the Army (DA) permit would be required as it appears discharge of fill or excavation shall occur in waters of the United States.

File number PO95-110 is assigned to this project. Please refer to this number in any future correspondence. If you have any questions please contact me at 438-9258, extension 14.

Walter T. Michel
Walter T. Michel
Captain, U.S. Army
Project Manager

RECEIVED

JUL 19 1995

KWOCK ASSOCIATES, INC.

BEHUNIA J. CAVETIAD
GOVERNOR



STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
689 PUNCHBOWL STREET
HONOLULU, HAWAII 96813-5097

August 14, 1995

Captain Walter T. Michel
U.S. Army
Project Manager
U.S. Army Engineer District, Honolulu
Ft. Shafter, Hawaii 96858-5440

Dear Mr. Michel:

Subject: Draft Environmental Assessment for Kaunualii Highway Intersection Improvements at Koloa Road, Lihue, Kauai, Project No. 50CD-01-91

Thank you for your comments dated July 17, 1995, on the subject highway improvements. Specific information on the bridge work will be provided to your office as part of the permit process.

Thank you for your timely response.

Very truly yours,

Hugh Y. Ono
Hugh Y. Ono
Administrator
Highways Division

KAZU HAYASHIDA
DIRECTOR
CHIEF, DIVISION
OF HIGHWAYS
1505 KALANOA AVENUE
HONOLULU, HAWAII 96813

IN REPLY REFER TO
HWY-DS
2-6918

KAUAI COUNTY
OFFICE



STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
869 PUNCHBOWL STREET
HONOLULU, HAWAII 96813-5097

KAZU HAYASHIDA
DIRECTOR
DEPUTY DIRECTORS
JERRY M. MATZLOJA
GLENN M. CHANITO

MAILING REFERENCE TO:
HWY-DS
2.6913



STATE OF HAWAII
OFFICE OF ENVIRONMENTAL QUALITY CONTROL
225 SOUTH KING STREET
FOURTH FLOOR
HONOLULU, HAWAII 96813
RECEIVED AND RECORDED
FACSIMILE 808-534-3447

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JUL 21 3 54 PM '95
DEPT. OF TRANSPORTATION
HIGHWAYS DIVISION

GARY GILL
DIRECTOR

TO: GARY GILL, DIRECTOR
OFFICE OF ENVIRONMENTAL QUALITY CONTROL

FROM: KAZU HAYASHIDA
DIRECTOR OF TRANSPORTATION

SUBJECT: DRAFT ENVIRONMENTAL ASSESSMENT FOR KAUMUALII
HIGHWAY INTERSECTION IMPROVEMENTS AT KOLOA ROAD,
LIHUE, KAUAI
PROJECT NO. 50CD-01-91

AUG 28 1995

Thank you for your comment dated July 18, 1995, on the subject highway improvements. The existing conditions of the Lawai Stream and the extent of the impact the bridge widening will have on the stream will be described in the revised Environmental Assessment (EA).

The EA will also be revised to include a drawing showing the stream in relation to the improvements.

Mr. Kazu Hayashida, Director
Department of Transportation
869 Punchbowl Street
Honolulu, Hawaii 96813

Attention: Mr. Herbert Tao

Dear Mr. Hayashida:

Subject: Draft Environmental Assessment for Kaumualii Highway Improvements at Koloa Road Intersection

Thank you for the opportunity to review the subject document. We have the following comment.

The proposed project will widen the existing Lawai Bridge about 44 feet on the downstream side of Lawai Stream. Please describe the existing condition of the stream, determine to what extent the stream will be impacted by the construction activity, and show on a drawing the stream in relation to the project improvements.

If you have any questions, please call Jeyan Thirugnanam at 586-4185. Thank you.

Sincerely,

Gary Gill
Gary Gill
Director

GG/JT:kk

DEPARTMENT OF WATER

COUNTY OF KAUAI
P.O. BOX 1706
LIHUE, HAWAII 96746-3706
PHONE NO. (808) 245-4946 FAX NO. 245-5813

EDUARDO CASTRINO
CONDUCTOR



STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
869 PUNCHBOWL STREET
HONOLULU, HAWAII 96813-5697

KAZUHIKASHIWA
DIRECTOR
DEPUTY DIRECTOR
JERRY M. MATSUDA
GLENN M. OKamoto

BY MAIL REFER TO
HWY-DS
2.6920


July 3, 1995

KWOCK ASSOCIATES, INC.
Consulting Engineers
1953 S. Beretania St., Ste. PH-B
Honolulu, HI 96826

RE: Draft Environmental Impact Assessment, Kaunualii Highway Intersection
Improvements at Koloa Road, Koloa, Kauai, Hawaii

We have no objections to this Draft Environmental Impact Assessment, however,
please submit the construction drawings for this improvement to our office for
review and approval prior to actual construction.

If you have any questions, please call Keith Fujimoto at 245-5400-0.


Mr. T. Nielsen
Manager & Chief Engineer

KF:dc

August 15, 1995

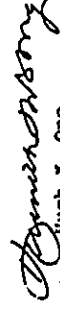
Mr. Hurl T. Nielsen, Manager
and Chief Engineer
Department of Water
County of Kauai
P.O. Box 1706
Lihue, Hawaii 96766-5706

Dear Mr. Nielsen:

Subject: Preliminary Draft Environmental Assessment for
Kaunualii Highway Intersection Improvements at
Koloa Road, Lihue, Kauai, Project No. 50CD-01-91

Thank you for your transmittal dated July 3, 1995, indicating
a "no objections" for this project. All final construction
drawings will be provided for your review and approval prior
to actual construction. Your timely review and comments are
appreciated.

Very truly yours,


Hugh Y. Ono
Administrator
Highways Division

RECEIVED

JUL 06 1995

KWOCK ASSOCIATES, INC.

correspondence@kwock.com



United States Department of the Interior



FISH AND WILDLIFE SERVICE
PACIFIC ISLANDS OFFICE
500 ALA MOANA BLVD, SUITE 3-180
HONOLULU, HI 96813
tel:(808) 541-3441 fax:(808) 541-3470

In Reply Refer To: CAW

Mr. Edison C.Y. Kwock
Kwock Associates Inc.
Consulting Engineers
1953 S. Beretania St. Suite PH-B
Honolulu, Hawaii 96826

RECEIVED

AUG 2 5 1995
AUG 2 9 1995
KWOCK ASSOCIATES, INC.

Re: Draft Environmental Impact Assessment for the proposed Kaunualii Highway Intersection Improvements at Koloa Road, Koloa, Kauai, Hawaii

Dear Mr. Kwock:

The U.S. Fish and Wildlife Service (Service) has reviewed the draft Environmental Assessment (EA) for the proposed Kaunualii Highway Intersection Improvements at Koloa Road, Koloa, Kauai, Hawaii. The proposing agency is the State of Hawaii, Department of Transportation, Highways Division. The proposal is to widen Kaunualii Highway at Koloa Road by constructing left turn lanes, acceleration lanes, and deceleration lanes. Traffic signals will be installed at the Koloa Road/Kuaa Road intersection, and highway lighting will be installed along Kaunualii Highway. The bridge over Lawai Stream, about 200 feet from the intersection, will be widened approximately forty-four feet to accommodate the proposed left and right turn lanes at the intersection. The Service offers the following comments for your consideration.

The Service is concerned that the proposed highway lights will increase "fallout" (collision with structures brought on by attraction to and disorientation from bright lights) of Newell's shearwaters (*Puffinus auricularis newelli*) that may transit through the project area during their nesting season. To minimize the potential impacts of the highway lights, the Service recommends that the lights be shielded and aimed downward. Additionally, we suggest that information in the draft EA concerning fauna in the project area be corrected to reflect that there are no mongoose found on Kauai.

Provided that our comments and recommendations are incorporated into the final EA, the Service will concur with a Negative Declaration finding and determination that an Environmental Impact Statement is not required for the project.

Draft Environmental Assessment
Kaunualii Highway Intersection Improvements
Koloa, Kauai, Hawaii

The Service appreciates the opportunity to comment on the proposed project. If you have questions regarding these comments, please contact Fish and Wildlife Biologist Christine Willis at 808/541-3441.

Sincerely,

Brooks Harper

Brooks Harper
Field Supervisor
Ecological Services

CC: DLNR, Hawaii
CZMP, Hawaii
CWB, Hawaii
DOFAW, Kauai

Suspense Date: _____

STATE OF HAWAII
Department of Land and Natural Resources
Division of Aquatic Resources

RECEIVED

AUG 10 1995

MEMORANDUM
KWOCK ASSOCIATES, INC.

To: Roger Evans, Administrator
Office of Conservation and Environmental Affairs
From: Bill Devick, Program Manager
Division of Aquatic Resources
Subject: Comments on _____ 1) Conservation District Use
Application
_____ X _____ 2) DRAFTEA

Date of Request: 6/27/95

Date Received: 6/28/95

Summary of Project

Title: Kaunuaui Intersection Improvements
Proj. By: Highways Division, Dept. of Transportation
Location: Koloa, Kauai

Brief Description:

The State of Hawaii, Department of Transportation, Highways Division, is proposing to widen Kaunuaui Highway at Koloa Road by constructing left turn lanes, acceleration lanes and deceleration lanes. Traffic signals will be installed at the Koloa Road/Kua Road intersection and highway lighting will be installed along Kaunuaui Highway. The bridge over Lawai Stream, about 200 feet from the intersection, will be widened by approximately 44 feet to accommodate the proposed left and right turn lanes at the intersection. Roadway improvements will extend about one thousand feet along Kaunuaui Highway on each side of the Koloa Road intersection. Widening of Kaunuaui Highway will occur on the south (makai) side of the highway.

The bridge extension over Lawai Stream has been designed without piers, thus avoiding disturbances to the stream bed. It is anticipated, however, that construction of the bridge abutments and fill along

Suspense Date: _____

STATE OF HAWAII
Department of Land and Natural Resources
Division of Aquatic Resources

Kaunuaui Highway will increase siltation in Lawai Stream. The contractor will therefore be required to provide erosion control measures in accordance with the requirements of the NPDES permit. All exposed slopes and denuded areas will be grassed as soon as practicable. Excavated material will not be stored along Kaunuaui Highway, and the contractor will be required to periodically remove excess material along the highway.

The objective of the project is to provide a safer intersection and reduce the number of accidents by providing traffic signals and exclusive turning lanes for traffic.

Comments:

The applicant should take appropriate mitigative measures to minimize erosion and prevent oil, fuel and other toxic substances associated with the use of heavy machinery from falling or leaching into Lawai Stream.

KAUAI
KAPAA
KAPAA



STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
869 PUNCHBOWL STREET
HONOLULU, HAWAII 96813-5097

August 31, 1995

MAKUHANA
SECTION
100 PUNAHONUA
KAPAA, KAUAI
GI 1000 000010

WIKIPIKE
SECTION
100 PUNAHONUA
KAPAA, KAUAI
GI 1000 000010

HWY-DS
2.7134

KAUAI
KAPAA
KAPAA



STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
869 PUNCHBOWL STREET
HONOLULU, HAWAII 96813-5097

September 1, 1995

KAUAI
KAPAA
KAPAA

WIKIPIKE
SECTION
100 PUNAHONUA
KAPAA, KAUAI
GI 1000 000010

HWY-DS
2.7167

Mr. Brooks Harper
Field Supervisor, Ecological Services
United States Department of the Interior
Fish and Wildlife Service
500 Ala Moana Boulevard, Suite 3-580
Honolulu, Hawaii 96813

Dear Mr. Harper:

Subject: Draft Environmental Assessment for Kaunualii
Highway Intersection Improvements at Koloa Road,
Lihue, Kauai, Project No. 50CD-01-91

Thank you for your comments dated August 25, 1995, on the
subject highway improvements. Your concerns expressed in
your letter will be addressed in the revised Environmental
Assessment and incorporated into the construction contract
specifications.

Very truly yours,

Hugh Y. Ono
Hugh Y. Ono
Administrator
Highways Division

TO: MR. ROGER EVANS, ADMINISTRATOR
OFFICE OF CONSERVATION AND ENVIRONMENTAL AFFAIRS
DEPARTMENT OF LAND AND NATURAL RESOURCES

FROM: *Hugh Y. Ono*
HUGH Y. ONO, ADMINISTRATOR
HIGHWAYS DIVISION

SUBJECT: DRAFT ENVIRONMENTAL ASSESSMENT FOR KAUNUALII
HIGHWAY INTERSECTION IMPROVEMENTS AT KOLOA ROAD,
LIHUE, KAUAI
PROJECT NO. 50CD-01-91

This is in response to the memorandum addressed to you from
Mr. Bill Devick, Program Manager, Division of Aquatic
Resources regarding the subject highway improvements. The
contract specifications will require the contractor to take
mitigative measures to minimize erosion and prevent oil, fuel
and other toxic substances associated with equipment used
during construction from falling or leaching into Laval
Stream.



STATE OF HAWAII
DEPARTMENT OF LAND AND NATURAL RESOURCES
STATE HISTORIC PRESERVATION DIVISION
33 SOUTH KING STREET, 8TH FLOOR
HONOLULU, HAWAII 96813

July 20, 1995

Mr. Edison Kwock
Kwock Associates, Inc.
1933 S. Beretania St., Suite PH-B
Honolulu, Hawaii 96826

Dear Mr. Kwock:

SUBJECT: Draft Environmental Impact Assessment
Kaunualii Highway Intersection Improvements at Koloa Road
Section 106 Compliance
TMK: 2-3-2-5, Vantour, Koloa, Kauai

LOG NO: 14913
DOC NO: 9507/m05
Architecture

DEPUTY
SILEST COLONIA-AMARA

AQUACULTURE DEVELOPMENT
PROGRAMS
AGRICULTURE RESOURCES
CONSERVATION AND
DEVELOPMENTAL AFFAIRS
CONSERVATION AND
RESOURCES ENFORCEMENT
CONTRACTS/LEASES
HERITAGE PRESERVATION
LAND MANAGEMENT
STATE PARKS
WATER AND LAND DEVELOPMENT



STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
869 PUNCHBOWL STREET
HONOLULU, HAWAII 96813-5097

August 24, 1995

TO: ^{Don} DON HIBBARD, DEPUTY
STATE HISTORIC PRESERVATION OFFICER
DEPARTMENT OF LAND AND NATURAL RESOURCES

FROM: HUGH Y. ONO, ADMINISTRATOR *[Signature]*
HIGHWAYS DIVISION

SUBJECT: DRAFT ENVIRONMENTAL ASSESSMENT FOR KAUNUALII
HIGHWAY INTERSECTION IMPROVEMENTS AT KOLOA ROAD,
LIHUE, KAUAI
PROJECT NO. 50CD-01-91

Thank you for your comments dated July 20, 1995, on the subject highway improvements. The Japanese shrines and historic burials on TMK: 2-5-04-007, a parcel located adjacent to some of the parcels directly affected by the roadway widening, will be protected during construction and the contractor will not be permitted to store equipment on this parcel. Should historic sites, including human burials, be discovered during construction all work in the immediate vicinity will be stopped and your office will be notified immediately.

Thank you for your timely response.

RECEIVED

JUL 27 1995

KWOCK ASSOCIATES, INC.

Aloha,

DON HIBBARD, Deputy
State Historic Preservation Officer

TM:jfk

cc: Roger Evans - OCEA



STATE OF HAWAII
DEPARTMENT OF HEALTH
P.O. BOX 3378
HONOLULU, HAWAII 96826
July 17, 1995

95-104/epo

Mr. Edison C. Y. Kwock, P.E.
Kwock Associates, Inc.
Consulting Engineers
1953 South Beretania Street, Suite PK-B
Honolulu, Hawaii 96826

Dear Mr. Kwock:

Subject: Draft Environmental Impact Assessment

Kaunualii Highway Improvements at Koloa Road
Intersection
Koloa, Kauai, Hawaii
THK: 2-3-1: 31

Thank you for allowing us to review and comment on the subject project. We have the following comments to offer:

Kauai District Health Office

We have reviewed the subject matter and have conducted an on-site survey of the properties. We offer the following environmental health concerns for your consideration.

1. There are existing individual wastewater systems on two residential properties (T.M.K.'s: 2-5-04: 30 and 35) that may be impacted by the proposed project. The applicant/developer shall resolve this issue with the Wastewater Branch of the Department of Health on Oahu at telephone 586-4294.
2. The property may harbor rodents which will be dispersed to the surrounding areas when the site is cleared. In accordance with Title 11, Chapter 11-26, "Vector Control," Hawaii Administrative Rules (HAR), the applicant shall ascertain the presence or absence of rodents on the property. Should the presence of rodents be determined, the applicant shall eradicate the rodents prior to clearing the site.

RECEIVED

JUL 28 1995

KWOCK ASSOCIATES, INC.

Mr. Edison C. Y. Kwock, P.E.
July 17, 1995
Page 2

3. On page 20, under the section entitled Air Quality Impact, the second sentence should be changed to read as follows: "The dust generated will be limited to excavation activity within one hundred feet (100 ft.) of the existing road right-of-way and to the demolition of the existing concrete wall on the downstream side of the bridge."
4. In accordance with Title 11, Chapter 11-60.1, "Air Pollution Control," HAR, the property owner/developer shall be responsible for ensuring that effective control measures are provided to prevent or minimize any fugitive dust emission caused by the construction work from impacting the surrounding areas including the off-site roadways used to enter/exit the project. These measures include but are not limited to the use of water wagons, sprinkler systems, dust fences, etc.
5. In accordance with Title 11, Chapter 11-58.1, "Solid Waste Management Control," HAR, the property owner/developer shall be responsible for ensuring that group material, demolition waste and construction waste generated by the project are disposed of in a manner or at a site approved by the State Department of Health. Disposal of any of these wastes by burning is prohibited.
6. In accordance with Title 11, Chapter 11-55, "Water Pollution Control" and 11-54, "Water Quality Standards," HAR, the property owner/developer shall be responsible for ensuring that the best management practices (BMP) are provided to prevent or minimize the discharge of sediments, debris, and other water pollutants into state waters.
7. As stated on page 15 of this Draft Environmental Assessment (EA), the property owner/developer shall be responsible for obtaining all applicable permits from the Department of Health including, but not limited to, National Pollution Discharge Elimination System (NPDES) permits for storm water, hydrostatic test and dewatering prior to commencing construction. Please call the Clean Water Branch on Oahu at 586-4309 for details.
8. In concern for the accuracy of the Environmental Assessment, page 12, paragraph E, line 3, the word "mongoose" should be deleted since the mongoose has not yet established itself on Kauai.

SEKUNU I CAVETANO
DIRECTOR



KAZU HAYASHIDA
DIRECTOR
DEPARTMENT OF TRANSPORTATION
2001 KUAHUNA DRIVE
HONOLULU, HAWAII 96813-5970

MEMORANDUM TO:
HMY-DS
2.6921

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
869 PUNCHBOWL STREET
HONOLULU, HAWAII 96813-5977

AUG 28 1995

Mr. Edison C. Y. Kvock, P.E.
July 17, 1995
Page 3

Due to the general nature of the application submitted, we reserve the right to implement future environmental health restrictions when more detailed information is submitted.

Should you have any questions, please call Mr. Clyde Takekuma, Chief Sanitarian, Kauai District Health Office at 241-3323.

Sincerely,

Lawrence Hiike
LAWRENCE HIIKE
Director of Health

c: KOHO
CWB
CAB
VC

TO: THE HONORABLE LAWRENCE HIIKE M.D., J.D.
DIRECTOR OF HEALTH

FROM: KAZU HAYASHIDA *kh*
DIRECTOR OF TRANSPORTATION

SUBJECT: DRAFT ENVIRONMENTAL ASSESSMENT FOR KAHDUALII
HIGHWAY INTERSECTION IMPROVEMENTS AT KOLOA ROAD,
LIHUE, KAUAI
PROJECT NO. 50CD-01-91

Thank you for your comments dated July 17, 1995, on the subject highway improvements. All of your concerns expressed in your letter will be addressed in the revised Environmental Assessment and incorporated into the construction contract specifications. All the applicable permits including the best management practices (BMP), for this project, will be obtained prior to beginning of construction.

Thank you for your timely response.

24 Jul '95

Public Works Office, Inc
1555 K. Kapiolani Blvd, #10
Honolulu, HI 96826

Attn: Editor KARP

Seattle, WA

This is in reference to the Kaunualii Highway Improvements at Koloa Road
Intersection East EA. By engineering safety when the traffic light at the
intersection is red while traveling in the east direction towards Lihue. The
scenario a number of cars are stopped at the intersection. A driver travel-
ing from the hill from the Koloa side of the intersection does not have a
view of the intersection because of the slope of the hill. How much stopping
distance does that driver have traveling at the posted speed limit? I know
that a flashing yellow light exists at the top of the hill, but that light
does not give you an indication of the status of that intersection.

I am asking these questions without reading the draft EA. Since the public
comment deadline is today, I am asking my electronic notes. Another issue
is whether the left turn into the Road and the right turn into the
Road has sufficient length to keep the through lane free for moving traffic.
We have a number of turn holding lanes on Road that are very short. A street
maintenance crew will only add to the already unsafe intersection.

Can the flashing yellow light frequency be varied to indicate the traffic
signal status? I.e. When the signal is red, the yellow would flash at an
increased rate and when the light is green, the yellow would flash at the
pre-set rate.

During the construction, how to traffic being routed? Since Road has very
few parallel roads, what alternate route is the State planning to use? I
travel through that intersection on a daily basis and am concerned on the
route as I may arrive at work on time.

I hope my issues and questions are addressed in the EA.

Respectfully,
Robert Inouye
2625 Koloa Rd
Lihue, HI 96849

Post-it brand has transmittal memo 7/27/95 1 page
to Editor KARP from R. Inouye
by KARP Assoc. from R. Inouye
973-9812



STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
659 PUNCHBOWL STREET
HONOLULU, HAWAII 96813-5097

August 21, 1995

Mr. Robert Inouye
2639 Alaekea Street
Lihue, Hawaii 96766

Dear Mr. Inouye:

Subject: Draft Environmental Assessment for Kaunualii
Highway Intersection Improvements at Koloa Road,
Lihue, Kauai, Project No. 50CD-01-91

Thank you for your comments dated July 24, 1995, on the
subject highway improvements. Safety is the primary reason
this project is being implemented. Adequate stopping sight
distances will be provided for traffic in both directions
along Kaunualii Highway. As a precaution a flashing yellow
beacon will be installed for both directions of traffic on
Kaunualii Highway and will only flash if the traffic signal
for through traffic is red. The left turning lane on
Kaunualii Highway for Kua Road is longer than 180 feet and
is adequate for the number of left turning vehicles.
The right turn lane on Kaunualii Highway to Kua Road will
not impact through traffic since these vehicles may turn right
on red.

Two lanes of traffic will generally be open for traffic during
construction but there may be short periods when only one lane
is open. The periods of lane closure will be during off peak
hours. The contractor will provide flaggers or police officers
to control traffic during lane closures.

Very truly yours,

Hugh X. Ono
Hugh X. Ono
Administrator
Highways Division

BENJAMIN J. CAYETANO
GOVERNOR



STATE OF HAWAII
DEPARTMENT OF ACCOUNTING AND GENERAL SERVICES
P. O. BOX 111, HONOLULU, HAWAII 96819

ELAN GALLUP
CONSULTANTS
HAWAII PATRICK WATERHOUSE
SERVICES CONSULTANTS

LETTER NO (P) 1478.5

BENJAMIN J. CAYETANO
GOVERNOR of Hawaii

REP:OCEA:SL



STATE OF HAWAII
DEPARTMENT OF LAND AND NATURAL RESOURCES

P. O. Box 631
Honolulu, Hawaii 96809

File No.: 95-608

JUL 5 1995

Kwock Associates, Inc.
Consulting Engineers
1953 G. Beretania Street
Suite PH-B
Honolulu, Hawaii 96826

Attention: Mr. Edison C.Y. Kwock

Gentlemen:

Subject: Kauaialii Highway Intersection Improvements
at Koloa Road, Koloa, Kauai, Hawaii
Draft Environmental Assessment

Thank you for the opportunity to review the subject document. The proposed project will have no immediate impact on our facilities. Therefore, we have no comments to offer.

If there are any questions, please have your staff contact Mr. Ralph Yukumoto of the Planning Branch at 586-0488.

Very truly yours,

Gordon Matsuo
GORDON MATSUOKA
State Public Works Engineer

RY:JY

Mr. Edsin C.Y. Kwock, PE
Kwock Associates, Inc.
1953 S. Beretania St., Suite PH-B
Honolulu, Hawaii 96826

JUL 28 1995

Dear Mr. Kwock:

Subject: Draft Environmental Assessment for the Kauaualii Highway Intersection Improvements at Koloa Road, Koloa, Hawaii

Thank you for giving our Department the opportunity to comment on this matter. We have reviewed the submitted Draft Environmental Assessment for this project and have no comments to offer at this time.

Thank you for your cooperation in this matter. Please feel free to contact our Office of Conservation and Environmental Affairs at 587-0377, should you have any questions.

Aloha,

Michael D. Wilson
MICHAEL D. WILSON

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JUL 29 1995

KWOCK ASSOCIATES, INC.

RECEIVED

JUL 07 1995

KWOCK ASSOCIATES, INC.



POLICE DEPARTMENT

COUNTY OF KAUAI

AN EQUAL OPPORTUNITY EMPLOYER
CALL ATTENTION
TO EQUAL OPPORTUNITY

3040 LUALU STREET
LITTLE HAWAII 96766
TELEPHONE (808) 241-4711
FAX (808) 241-4776



CONTRACTING TO
THE COUNTY OF KAUAI
BY
BRIAN S. FURUTSCHI
INTERIM
CHIEF OF POLICE

MARYANNE W. KUSAKA
MAYOR



COUNTY OF KAUAI
OFFICE OF ECONOMIC DEVELOPMENT

4208 PINE STREET
LAIE, HAWAII 96768
TELEPHONE (808) 241-4300
FAX (808) 241-4309

GERALD W. DELA CRUZ
DIRECTOR

June 29, 1995

Mr. Edison C. Y. Kwock, PE
KWOCK ASSOCIATES, INC.
Consulting Engineers
1953 S. Beretania St. Suite PH-B
Honolulu, HI 96826

Dear Mr. Kwock:

We have reviewed your Draft Environment Assessment sent to us on June 20, 1995. We do not have any suggestions or comments regarding your assessment at this time.

If you have any questions please do not hesitate to contact Lieutenant Gordon Isoda of the Traffic Safety Unit at (808) 241-6761.

Sincerely,

Brian S. Furutshi
Interim Chief of Police

91

July 3, 1995

Mr. Edison C. Y. Kwock, PE
Kwock Associates, Inc.
1953 S. Beretania St. Suite PH-B
Honolulu, Hawaii 96826

SUBJECT: DRAFT ENVIRONMENTAL IMPACT ASSESSMENT
KAHUALUI HIGHWAY INTERSECTION IMPROVEMENTS AT KOLOA RD.
KOLOA, KAUAI, HI

Dear Mr. Kwock:

The County of Kauai Office of Economic Development has reviewed your Draft Environmental Assessment and provides no comment at this time. We reserve the right to provide comment upon receipt of the final report.

Respectfully Yours;

Gerald W. Dela Cruz
Director

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KWOCK ASSOCIATES, INC.

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JUL 0 5 1995

KWOCK ASSOCIATES, INC.

BENJAMIN L. CAHETANO
GOVERNOR



STATE OF HAWAII
DEPARTMENT OF BUSINESS, ECONOMIC DEVELOPMENT & TOURISM
LAND USE COMMISSION
Room 104, 6th Federal Building
315 Merchant Street
Honolulu, Hawaii 96813
Telephone: 587-1822
June 27, 1995

ESTHER UEDA
EXECUTIVE OFFICER



OFFICE OF STATE PLANNING
Office of the Governor

EDWIN S. CORTINA, Governor
FAC: 522-2444
MAILING ADDRESS: P.O. BOX 2444, HONOLULU, HAWAII 96824
STREET ADDRESS: 200 SOUTH HOTEL STREET, 4TH FLOOR
HONOLULU, HAWAII 96813
TELEPHONE: (808) 522-2444, 522-2400

Ref. No. C-1312

July 3, 1995

Mr. Edison C.Y. Kwock, PE
Kwock Associates, Inc.
Consulting Engineers
Suite PH-B
1953 S. Beretania Street
Honolulu, Hawaii 96826

Dear Mr. Kwock:

Subject: Draft Environmental Impact Assessment (EA) for the
Kaunualii Highway Intersection Improvements at
Koloa Road, Koloa, Kauai, Hawaii

We have reviewed the subject draft EA and would like to note
that the project area as shown on figure 5, appears to be located
within the State Land Use Agricultural and Urban Districts.

We have no other comments to offer at this time.

Should you have any questions, please feel free to call me
or Kathy Yonamine of our office at 587-3822.

Sincerely,

ESTHER UEDA
Executive Officer

EU:KY:th

cc: DBEDT (95-073-N)

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JUN 29 1995

KWOCK ASSOCIATES, INC.

Mr. Edison C.Y. Kwock, PE
Kwock Associates, Inc.
1953 South Beretania Street
Suite PH-B
Honolulu, Hawaii 96826

Dear Mr. Kwock:

Subject: Draft Environmental Impact Assessment
Kaunualii Highway Intersection Improvements at Koloa Road

We have reviewed the Draft Environmental Assessment (DEA) for the
Kaunualii Highway improvements and do not have any substantive comments to
offer. The DEA satisfactorily addresses our program interests.

We appreciate the opportunity to review and comment on this document.

Sincerely,

Gregory G. Y. Pai, Ph.D.
Director

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JUL 12 1995

KWOCK ASSOCIATES, INC.