



## Appendix E

### State Historic Preservation Division Correspondence

LINDA LINGLE  
GOVERNOR OF HAWAII



RECEIVED

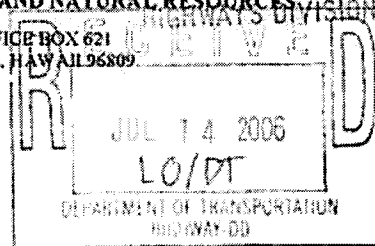
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DESIGN BRANCH  
HIGHWAYS DIVISION  
DEPT. OF TRANSPORTATION

STATE OF HAWAII  
DEPARTMENT OF LAND AND NATURAL RESOURCES

POST OFFICE BOX 621  
HONOLULU, HAWAII 96809



PETER T. YOUNG  
CHAIRPERSON  
BOARD OF LAND AND NATURAL RESOURCES  
COMMISSION ON WATER RESOURCE MANAGEMENT

ROBERT K. MASUDA  
DEPUTY DIRECTOR - LAND

DEAN NAKANO  
ACTING DEPUTY DIRECTOR - WATER

AGENCY RESEARCH  
BOATING AND OCEAN RECREATION  
BUREAU OF CONVEYANCE  
COMMISSION ON WATER RESOURCE MANAGEMENT  
CONSERVATION AND COASTAL LANDS  
CONSERVATION AND RESOURCES ENFORCEMENT  
ENGINEERING  
FORESTRY AND WILDLIFE  
HISTORIC PRESERVATION  
KAROOLAWA ISLAND RESERVE COMMISSION  
LAND  
STATE PARKS

July 6, 2006

Glenn M Yasui, Administrator  
Department of Transportation - Highways Division  
869 Punchbowl Street  
Honolulu, Hawaii 96813-5097

LOG NO: 2006.2157  
DOC NO: 0607BF09  
Architecture

Dear Mr. Yasui:

SUBJECT: Section 106 (NHPA) Review  
RE: Kaipapau Stream Bridge Replacement HWY - DB 2.0785  
Project Location: Kamehameha Highway, Oahu  
Hauula Ahupuaa, Koolauloa District, Oahu  
TMK: (1) 5-4-11

This letter is in response to your letter dated April 25, 2006 which we received on April 24, 2006.

The SHPD has reviewed your letter initiating the Section 106 process for the proposed replacement of the Kaipapau Stream Bridge. The proposed project entails the demolition of the extant Kaipapau Stream Bridge and replacing it with a 100 - foot long by 57 - foot wide, pre - stressed concrete plank bridge with a cast-in-place bridge deck.

The 1983 *Historic Bridge Inventory, Island of Oahu* identified this particular bridge as having poor aesthetics and poor integrity. However, the inventory identified the bridge as significant due for its transportation link of the Windward communities and because of it was built by one of Honolulu's prominent builders, L. L. McCandless.

The SHPD concludes that the proposed project will have no adverse effect with the condition that the bridge be photographed before demolition. These photographs may be in digital or print format.

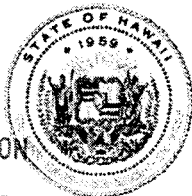
Thank you for the opportunity to comment. Should you have any questions regarding architectural concerns please call Bryan Flower at our Oahu office at (808) 692-8028.

Sincerely,

Peter T. Young, Chairperson  
State Historic Preservation Officer

BF:jen

LINDA LINGLE  
GOVERNOR OF HAWAII



DEPT OF TRANSPORTATION

2006 MAR -6 P 3:38

STATE OF HAWAII

DEPARTMENT OF LAND AND NATURAL RESOURCES

POST OFFICE BOX 621  
HONOLULU, HAWAII 96809

HIGHWAY DIVISION  
L O / DT  
MAR 10 2006

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06 MAR -9 P3:03

PETER T. YOUNG  
CHAIRPERSON  
BOARD OF LAND AND NATURAL RESOURCES  
COMMISSION ON WATER RESOURCE MANAGEMENT

ROBERT K. MASUDA  
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AQUATIC RESOURCES  
BOATING AND OCEAN RECREATION  
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CONSERVATION AND COASTAL LANDS  
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ENGINEERING  
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HISTORIC PRESERVATION  
ISLAND RESERVE COMMISSION  
LAND  
STATE PARKS

MAR -3 2006

Mr. Glenn M. Yasui, Administrator  
Highways Division, State of Hawaii, Department of Transportation  
869 Punchbowl Street  
Honolulu, Hawai'i 96813

LOG NO: 2006.0371  
DOC NO: 0602ST16  
Architecture

Dear Mr. Yasui:

**SUBJECT: Section 106 (NHPA) Review  
Kamehameha Highway – Kaipapa'u Stream Bridge Replacement  
State Route 83  
Federal Aid Project No. BR-083-1(48)  
HWY-DD 2.9944  
Hauula, Koolauoa District, Oahu, Hawai'i,  
TMK (1) 5-4-018:001 and :002, 5-4-011:004 and :021**

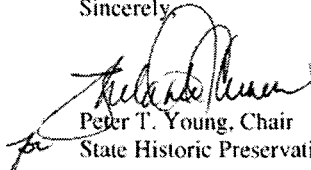
Thank you for your submittal received February 10, 2006 informing us of the proposed project for the replacement of the Kaipapa'u Stream Bridge with improved roadway shoulders, guardrails, and drainage features. The Bridge is located on Kamehameha Highway, State Route 83, in Hauula, Oahu. The project intends to replace the Bridge to ensure that the new structure meets Federal and State bridge and roadway standards.

The Kaipapa'u Stream Bridge, constructed in 1932, has a National Bridge Inventory rating of 37. It is not listed on the State of Hawai'i, Draft Historic Bridge Inventory and Evaluation (May 1996). It is listed on the Historic Bridge Inventory, Island of Oahu (June 1983), and is significant as an important transportation link for Windward communities. It is associated with one of Honolulu's prominent builders, L. L. McCandless. As a prolific builder, he constructed five miles of road and seven bridges from Hau'ula to Kahuku. The seven bridges are Laiawai, Laiemaloo, Kaipapa'u, Waipilopilo, Muliwai, Hauula, and Waipuhi Bridges.

Before a determination can be made, we request submittal to SHPD that all options have been explored. We request a structural report for the Bridge's condition, photographs of the Bridge, and conditions of the other six bridges built by L. L. McCandless for an assessment of the best examples of his work.

Thank you for the opportunity to comment. Should you have any questions regarding architectural concerns please call Susan Tasaki at our Oahu office at (808) 692-8032.

Sincerely,

  
Peter T. Young, Chair  
State Historic Preservation Officer

ST:jen

420 Waiakamilo Road  
Suite 411  
Honolulu Hawaii 96817-4941  
Telephone 808 842 1133  
Fax 808 842 1937  
rmtowill@hawaii.rr.com



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## Letter of Transmittal

To State Historic Preservation Division  
Address 601 Kamokila Boulevard, Suite 555  
Kapolei, Hawaii 96707

Date 2-9-06  
Fax Number  
Project Section 106 Consultation,  
Kaipapapu Stream Bridge  
Replacement

Attention Melanie Chinen, Administrator

RMTC Project Number 1-19548-00

Sending	
<input checked="" type="checkbox"/> Attached	<input type="checkbox"/> Under Separate Cover
<input type="checkbox"/> Drawing Prints	<input type="checkbox"/> Drawing Originals
<input type="checkbox"/> Cost Estimate	<input type="checkbox"/> Change/Field Order
<input type="checkbox"/> Specifications	<input type="checkbox"/> Other
<input type="checkbox"/> Digital Files	<input type="checkbox"/> Bound Material
<input type="checkbox"/> Via Facsimile	
Pages sent including cover sheet	
<input type="checkbox"/> Originals will be mailed	

Number of Copies	Description
1	Section 106 Consultation Letter from the State Department of Transportation, Kamehameha Highway, Kaipapa'u Stream Bridge Replacement, Ko'olauloa, Oahu, Hawaii

Action
<input type="checkbox"/> Approval
<input type="checkbox"/> Signature and Return To This Office
<input checked="" type="checkbox"/> Review and Comment
<input type="checkbox"/> As Requested
<input type="checkbox"/> Your Use
<input type="checkbox"/> Appropriate Action

Remarks

Dear Ms. Chinen:

Attached please find the Section 106 Consultation letter from the State Department of Transportation (SDOT) to your office.

The letter asks for written comments to be submitted to SDOT 30 days from the date of the letter. It is dated January 19, 2006; There was a delay in sending out this letter.

Please submit your written comments to SDOT by Friday, MARCH 10, 2006.

Should you have any questions, please contact me at 842-1133.

Thank you.

Copies to RMTC  
cc SDOT

By Chester Koga

LINDA LINGLE  
GOVERNOR



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

RODNEY K. HARAGA  
DIRECTOR


Deputy Directors  
BRUCE Y. MATSUI  
BARRY FUKUNAGA  
BRENNON T. MORIOKA  
BRIAN H. SEKIGUCHI

IN REPLY REFER TO:  
**HWY-DD 2.9944**

January 19, 2006

TO: MELANIE CHINEN, ADMINISTRATOR  
HISTORIC PRESERVATION DIVISION  
DEPARTMENT OF LAND AND NATURAL RESOURCES

ATTN: DAVID LAWRENCE BROWN, CHIEF  
CULTURE AND HISTORY BRANCH

FROM: GLENN M. YASUI   
ADMINISTRATOR, HIGHWAYS DIVISION

SUBJECT: KAMEHAMEHA HIGHWAY, KAIPAPAU STREAM BRIDGE  
REPLACEMENT, FEDERAL-AID PROJECT NO. BR-083-1(48)  
SECTION 106 CONSULTATION

The State of Hawaii, Department of Transportation, Highways Division, in cooperation with the Federal Highway Administration, proposes to replace the Kaipapau Stream Bridge with improved roadway shoulders, guardrails, and drainage features to meet American Association of State Highway and Transportation Officials (AASHTO) bridge standards. The project is located on Kamehameha Highway, State Route 83, in Hauula, Koolauloa District. See enclosed location map.

The purpose of this project is to fulfill a mandate to maintain the functional and structural integrity of bridges on State roadways. In fulfillment of this mandate, it is recommended that this bridge be replaced to meet current standards for roadway widths and safety features as specified by AASHTO and current design criteria. The Kaipapau Stream Bridge has a rating of 37 (based on a scale of 1-100) on the National Bridge Inventory and warranted a replacement. Current standards for highway speed, loading, sight distances, guardrails, and other safety measures will be used in the design of the project. Construction is anticipated to start in early 2008, with completion in 2009.

As part of the overall planning effort, we are soliciting comments in accordance with Section 106 of the National Historic Preservation Act (NHPA) to ascertain if there are historic properties that will be impacted by this proposed project. We request your comments, if any, on the proposed bridge replacement work. It is our preliminary determination that this project will have no adverse impacts on archaeological or historic resources. Please submit any written comments to us within 30 days from the date of this letter.

Melanie Chinen  
Page 2  
January 19, 2006

HWY-DD 2.9944

We appreciate your review of the subject materials. Please contact Li Nah Okita at 692-7581 or Duane Taniguchi at 692-7582 of our Highways Division, Design Section if there are any questions.

Enclosure

**PROJECT SUMMARY**  
**Kaipapa‘u Stream Bridge Replacement Project**  
**Hau‘ula, Ko‘olaupia District, O‘ahu**  
**December 5, 2005**

**PROJECT OVERVIEW**

The Kaipapa‘u Stream Bridge is located on Kamehameha Highway, State Route 83, Hau‘ula, Ko‘olaupia, O‘ahu (**Figure 1, Project Location and Vicinity Map**). This project is one in a series of bridge replacements being implemented by the State Department of Transportation (SDOT-H) and Federal Highway Administration (FHWA) along the windward coast of O‘ahu. Replacement of the bridge will ensure that the structure meets Federal and State bridge and roadway standards.

Proposed work includes construction of a 110-foot long by 57-foot wide, pre-stressed concrete plank bridge with cast-in-place bridge deck (**Figure 2, Project Plan**). The replacement bridge will also include bicycle and pedestrian facilities. Current standards for highway speed, loading, sight distances, guard railings, and other safety measures will be used in the design of the project. Construction is scheduled to begin in early 2008.

Because State of Hawai‘i and Federal (FHWA) funds will be used for development, this project is subject to preparation of environmental documentation in compliance with requirements of Chapter 200, Title 11, Hawai‘i Administrative Rules (HAR), Chapter 343, Hawai‘i Revised Statutes (HRS), and the National Environmental Policy Act (NEPA). In addition, consultation in accordance with Section 106, National Historic Preservation Act, is also being conducted to ascertain if there are historic properties being impacted by the proposed project.

**PURPOSE AND NEED FOR PROJECT**

SDOT-H is mandated to maintain the functional and structural integrity of bridges on State roadways. Based on the current bridge replacement program of SDOT-H, the Kaipapa‘u Stream Bridge facility has a National Bridge Inventory (NBI) rating of 37 based on a scale of 1-100. This NBI rating warrants rehabilitation or replacement of the bridge. The bridge replacement is needed to mitigate bridge maintenance concerns, increase traffic safety (for motorists and pedestrians) and meet the projected vehicle usage of the Kamehameha Highway.

**EXISTING CONDITIONS**

The Kaipapa‘u Stream Bridge carries inbound and outbound traffic on Kamehameha Highway near milepost 20.99. The existing bridge was constructed in 1932 and is 82 feet long by 28.4 feet wide. The bridge is considered a historical structure because of its age, although it is not listed on the State

Draft Historic Bridge Inventory and Evaluation, dated May 1996. The existing bridge has two 40-foot spans and is constructed from reinforced concrete with a wooden pedestrian walkway attached to the mauka (west) side of the bridge. At the existing bridge, Kamehameha Highway has 12-foot approach lanes with paved shoulders in both directions and a current speed limit of 35 miles per hour.

Lands surrounding the bridge are single family residential and commercial and are privately owned. Several blocks to the north of the bridge is the Hau'ula Shopping Center, a strip mall with retail space and a parking lot. Parcels immediately surrounding Kaipapa'u Stream Bridge are single family residences.

### **TECHNICAL CHARACTERISTICS**

The proposed replacement and widened bridge will measure approximately 110 feet long by 57 feet wide that will meet and State and Federal roadway, bridge and seismic standards. The structure will utilize pre-stressed concrete planks with cast-in-place deck topping with separated bikeway/pedestrian walkways on both sides.

The proposed design includes two 12-foot travel lanes plus two 8.5-foot shoulders, two 5-foot pedestrian walkways/bicycle lanes, reinforced guardrails, and drainage features. The approach and trailing guardrails will comply with the current standards of the State Department of Transportation, Highways Division, Design Branch. Rip-rap or CRM will be installed on the banks of the stream beneath the bridge abutments to stabilize the embankment. The bridge and approach roads shall conform to AASHTO and SDOT-H design criteria for roadway widths and safety features.

The new ROW will be 63 feet, 4 inches wide. Acquisition of additional property is required to allow for waterlines to be supported on the outer edges of the new bridge. In all, four new drilled shafts will be constructed in the stream channel for the replacement bridge foundation. The existing concrete center wall pier will be removed.



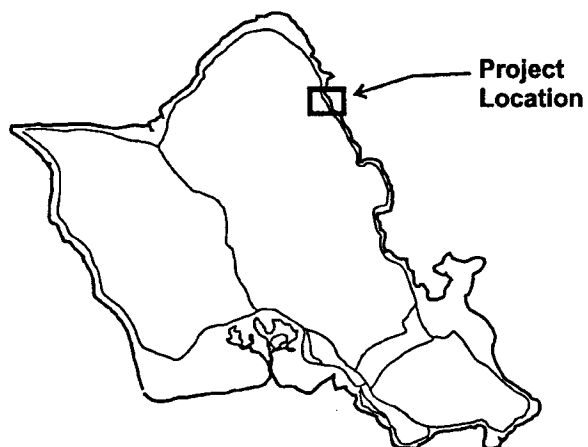
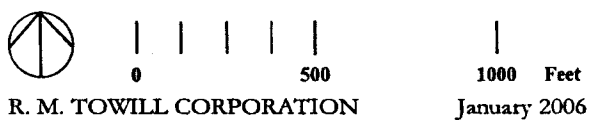


FIGURE 1  
PROJECT LOCATION & VICINITY MAP  
Kaipapa'u Stream Bridge Replacement  
Ko'olauloa District, O'ahu, Hawai'i





Questions, comments and concerns:

1. Heath questioned if Council Chair Donovan Dela Cruz's office was assisting the village with their efforts and Warren reported that the legislation was being held in Council member Romy Cachola's committee. Heath questioned if they could help and write to the City and State.
2. Choon questioned how important is the Kahuku Golf Course is worth to the public. Chair Letts asked Ben Henderson if he would look into the State and see what was available for assistance since this was the only beach left with sand dunes.
3. Elkington commented on a petition that was signed by many of those who use the Kahuku Golf Course and passed around at the club house to save it and hoped that the community would find that petition and hopefully use to their benefit. Chair Letts commented that she will have the Planning and Land Use Committee look into this information and provide an update at the next Board meeting.
4. Resident commented that 5,000 houses will be built in the next 10 years and recreation areas will be needed.

**Turtle Bay Update** – Chair Letts shared the following information:

1. An email from Steven Doyle from Lauri Sunakoda from Corporation Counsel. This is regarding a question to DPP and if it would attend a public meeting for community input regarding the Kuilima resort, Corp Counsel reported that DPP declined a public meeting but welcomed written statements would be taken in for consideration. She also reported that Doyle expects an article soon in the Honolulu Advertiser and will give information as to where to send in statements for consideration.
2. Heath reported that several members of the Koolauloa Board had attended the Hawaii 2050 Task Force Kick off Conference on Sustainable Communities and listened to former Governor George Ariyoshi speak. The former Governor went ahead and spoke about working on plans from the 1970's for the future and upon review of these plans; the comment was that much of what he and his associates had not come to pass. Ariyoshi cautioned that past plans should be revisited and Heath stated that with the community and other leaders, it would be time for the community to revisit the past plans made for Turtle Bay.
3. Choon questioned what Doyle is trying to do when several Neighborhood Boards have taken stands at asking the City to revisit these plans. Choon stated that over 11,000 people through petition supported the revisiting of these plans and she is not sure what Doyle is trying to do with the information. Chair Letts commented that Doyle only wanted information to be given out and explained to the community. Choon questioned if Neighborhood Boards have any weight regarding this issue but Chair Letts commented that City Corporation Counsel stated the community has no say since City Council left the permits in question open ended with no time limits.
4. Dee dee Herron announced that October 25 at 5:00 p.m., the State Oahu Coalition will have a candle light vigil at Honolulu Hale, the same night that the City will be meeting to discuss the Turtle Bay issue. They hope to have 1,000 people attend the vigil.

**Hauula Skate Park – update Chair Letts reported the following information:** Meetings that have been called by Chair Dela Cruz' office has reported that there is no money earmarked for this project. The site selected was unsuitable and alternatives are going to Kokololio Beach Park and possible moves by the Hauula Beach Park. DPR is looking at the possibility of putting in a play court at the site initially set for the skate park as an alternative and will work with Chair Dela Cruz' office to have funds for that project released quickly.

**NEW BUSINESS:**

**Kaipapau Bridge – R. M. Towill** Walter Chong and Lee Taniguchi from DOT reported the following information. The Kaipapau stream bridge is located on Kamehameha Highway between Ikea loop and Pipilani place. At this time, the bridge does not meet State and Federal Standards with narrow one foot shoulders and substandard pedestrian walkways. With structural corrosion and serving beyond its service life (originally constructed in 1932), the plan is to replace existing bridge with new bridge and do it in phases that will allow for sidewalks on both sides, new guard rails and end treatments. The impact of the project will delay traffic and have the temporary relocation of two households and the permanent relocation of one household that will have acquisition happen.

The project should start in March 2008 for 18 months with a proposed work hour of Monday-Friday 8:00 a.m. – 3:30 p.m. with no night or weekend work proposed. Press releases will be made along with residents in the immediate area being notified by the contractor.

Questions, comments and concerns:

1. Elkington questioned about the bridge on the other side of Hauula that is currently being worked on and asked if these will coincide. Chong reported that the project on Kaipapau Bridge will start after the completion of the Laie Bridge.
2. Hurlbut questioned if there would be bypasses put in but Chong stated it would have required more land to be acquisitioned.
3. Soh questioned the service life of the bridge and Chong reported it was 50 years. Soh also questioned the new width of the bridge versus the old bridge and Chong reported that the old bridge was only 28 feet wide while the new bridge will be 67 feet wide. His last question was if there were any penalties that will be added to the construction company in order to deter lane closures and finishing late periods and Chong reported that this could be put into the project contract.
4. Kaluhiokalani asked why the home on the makai side of Kamehameha Highway will be demolished if there are no bypasses being made. Chong stated that the home is very close to the original bridge and because of the expansion; the home would less then 10 feet away from the bridge. Chong also commented that they would need to remove the home in order to do construction on the bridge and to allow for access for the channel for maintenance purposes.
5. Macy commented that parents who drive their children to school would be stuck in construction traffic. Chair Letts commented that they can give a suggestion to DOT that the contractor be aware of this and schedule accordingly.
6. Albert commented that the school buses would be trapped by this traffic. School buses pick up Elementary School children and return back to Kahuku High School. The construction traffic would trap kids who are waiting for the school bus that is stuck in traffic. Chong reported that there will be lanes opened going both ways except for several periods where there will be a contra flow lane that is slated to be in the middle of the day. Chair Letts commented that it should be brought to the contractor's attention to schedule the periods of lane closures around the school bus hours to ensure that children are not trapped in traffic on the buses.  
  
Heath reiterated that the contractors should understand the human consideration of children being trapped on school buses. Chong reported that he would look into the contract and possibly have the contractor face fines if they are over their time limits each day.
7. Soh questioned what land was presently owned by DOT and Chong reported that 50 feet was owned but the expansion with clear that width and the land acquisition is what is required. An additional 13 feet would be needed in order.

Proposed wind farm for Kahuku- Westwind Works (Keith Avery)

Avery reported on the proposed wind farm in Kahuku will be a \$100 project. The West Wind Works LLC would like to inform the community of their project and will not further the project without Board and community approval. The land that will be used is Agriculture zoned land 1 & 2 and is located makai and mauka of Kamehameha Highway near the Turtle Bay resort. The wind mills are approximately 300 feet tall with 90 feet wide rotators that will generate 2 ½ megawatts per day with 50 megawatts per day. The turbines that will be used are relatively quiet and have a better technology behind them in order to produce more energy and can be substantiated by similar projects already on the neighbor island that Avery had worked on. The ground area needed for the project would approximately 18 square feet and hope that the land below the wind mills will be used by agriculture farmers. A clip was shown of the three rotator wind mills Avery is proposing. Avery commented on programs that are environmentally based to ensure that the affect of the wind mills is limited.

Chair Letts took the meeting out of order to allow for questioning of Walter Chong on Kaipapau Bridge.

Questions, comments and concerns:

1. Hurlbut asked about the acquisition of the property on the makai side of Kamehameha Highway and if the property owner was aware. Chong reported that they have been in contact with the owner and they will buyout and assist in a move of the household. The temporary relocation of people will provide for a stipend that is mandated by federal guidelines.
2. Heath questioned if there was an Environmental assessment draft available and Chong stated that there was. She then asked that he provide the Board with two copies for their review.
3. Mattoon recommended that before construction begins a blessing happen for the bridge replacement and ensures that works, drivers, and all others in the area stay safe.

Questions, comments and concerns:

1. Kaluahiolani tax revenue/jobs. Tax breaks in Maui Maui paying tax, will have information at the Next Board meeting. Dedicated fund to fish and wildlife, especially the protection of the Hawaiian Stilt and bringing the Hawaiian Booby. Fuel is free at a fixed price for eternity.
2. Elkington questioned the experimental wind mills during the 1980's and 1990's and asked if the present were economically efficient. HECO's wind mill project in 1987 used Westinghouse turbines which were not made for to generate wind energy. Today, the turbines being used are a far more reliable technology.
3. Heath questioned if Avery was in contact with the developers of the Turtle Bay resort and what they had to say. Avery commented that the developers did not want to discuss the issue because if visitors believed it was windy, no one would come.
4. Soh asked about the 3 blades on the wind mills and what noise affect it would have. Avery stated that people could stand right under the wind mills and have a discussion without too much disturbance since they move fairly slowly.
5. Chair Letts asked how many wind mills Avery expects to install and has he reviewed the view plane study for the area. Avery reported that he would have 10 mauka and 10 makai of Kamehameha Highway.

A motion by and seconded by Heath was passed to postpone committee reports until next Board meeting.

**COMMITTEE REPORTS: Postponed until next Board meeting.**

**ANNOUNCEMENTS:**

**ADJOURNMENT:** The meeting adjourned at 9:07 p.m.

Submitted by:

Vanessa Matautia  
Neighborhood Commission Office