



STATE OF HAWAII  
DEPARTMENT OF LAND AND NATURAL RESOURCES  
**COMMISSION ON WATER RESOURCE MANAGEMENT**  
P.O. BOX 621  
HONOLULU, HAWAII 96809

STAFF SUBMITTAL

for the meeting of the  
COMMISSION ON WATER RESOURCE MANAGEMENT

February 15, 2006  
Honolulu, Hawaii

Application for a Stream Channel Alteration Permit (SCAP-KA-392)  
County of Kauai, Department of Public Works  
Kilauea Stream, Kilauea, Kauai (TMK: 5-2-09 & 5-2-11)

APPLICANT:

County of Kauai  
Department of Public Works  
4444 Rice Street  
Lihue, HI 96766

LANDOWNER:

County of Kauai  
Department of Public Works

SUMMARY OF REQUEST:

The applicant proposes to replace a roadway bridge over Kilauea Stream in Kilauea, Kauai. The bridge, on Kono Road and Liliuokalani Street, is being redesigned to meet current standards.

LOCATION: Exhibit 1.

BACKGROUND:

The County of Kauai, Department of Public Works (DPW) proposes to remove the existing 92-foot long, 22-foot wide bridge in two stages, and then install the superstructure for the 102-foot long, 35-foot wide bridge. Remnant piers of an old railroad crossing immediately downstream of the existing bridge (abutments & three-free standing piers) will also be demolished and removed.

DESCRIPTION:

The general sequence of work will be as follows: The first stage of bridge removal will be on the western half of the bridge. Dewatering will be set up to channel the stream flow onto the half

of the stream bed away from the work area. A portion of the existing bridge will be demolished and removed. Bedrock & sediment will be excavated to prepare for construction abutments and wing walls of the new bridge. Three foot diameter holes will be drilled in the bridge approaches and stream bed to support the bridge. Abutment footings, abutment walls, wingwalls and tie beams will be constructed. Concrete rubble masonry in a portion of the stream bed under the new bridge will be constructed. A new bridge deck will be built. The applicant expects the work to last approximately ten months. Exhibits 2 and 3 show the plan view of the new bridge. Exhibit 4 shows the longitudinal cross section of the new bridge.

ANALYSIS:

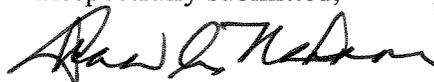
We have not received any objections to the issuance of a stream channel alteration permit for this bridge replacement. The Division of Aquatic Resources (DAR) does not have any objections provided that water quality concerns are addressed. The State Historic Preservation Division indicates they do not believe there are historic properties at this site.

Both the Corps of Engineers and the Department of Health indicate they must issue Federal Clean Water Act permits to address wetlands (Section 404) and water quality concerns (Sections 401 and 402). The staff believes that these permits are adequate to address DAR's concerns to minimize adverse impacts to Kilauea Stream.

RECOMMENDATION:

That the Commission approve a stream channel alteration permit for the replacement of Kilauea Stream Bridge (TMK:5-2-09, 5-2-11) Kilauea, Kauai. The permit shall have a term of two years subject to the Commission's standard permit conditions in Exhibit 5.

Respectfully submitted,

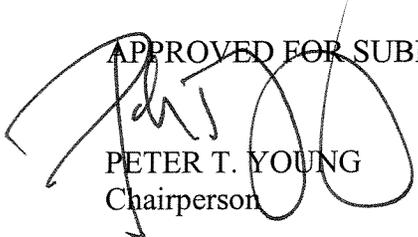


DEAN A. NAKANO  
Acting Deputy Director

Attachments

- Exhibit(s): 1 Location Map
- 2 Demolition Plan
- 3 Existing Bridge Plan & Section
- 4 Longitudinal Section for the New Bridge
- 5 Standard Stream Channel Alteration Permit Conditions

APPROVED FOR SUBMITTAL:



PETER T. YOUNG  
Chairperson