



**CONTINUING ELIGIBILITY INSPECTION (CEI) REPORT
FOR FLOOD CONTROL WORKS
Honolulu Engineer District
CEPOH-EC-T**

Alenaio04rpt-fcp.doc

1. **Project Name:** Alenaio Flood Control Project

2. **Date of Inspection:** November 18, 2003

3. **Inspection Personnel:**

	<u>Name</u>	<u>Agency/Office</u>	<u>Telephone No.</u>
a.	Dan Meyers	COE	438-8875
b.	Robert Aguiar	DPW Highway Maintenance	961-8637
c.	Ralph Fike	DPW Highway Maintenance	961-8637

4. **Discussion:**

The project consist of 1,787 feet of concrete-lined channel, construction of 4 bridges, two segments of cement-rubble-masonry floodwalls totaling 453 feet, a 487 foot concrete floodwall, a 200 foot wedge-shaped entrance transition and a 832 feet earthen levee. All deficiencies were brought to the attention of the DPW representatives during the inspection. The deficiencies were as follows:

5. **Ratings for FY04**

Project Rating: "S, **Satisfactory**"
Project Condition Code: "A, **Acceptable**"
Project Status: "**Active**"

Floodwall "A"

Sta. 3+65 CRM wall begins upstream - Sta. 0+00 wall ends downstream.



a. Sta. 3+65, Floodwall "A", Remove vegetation from floodwall and access road.

Floodwall "B"

Sta. 4+66 wall begins upstream end - Sta. 0+00 wall ends downstream.



b. Sta. 3+00, Overview continue to remove vegetation.



c. Sta. 4+60, Remove vegetation from floodwall and toe protection.



d. Sta. 3+50, Overview of graded area, good maintenance.



Note: New Slope protection completed in 2003 by NRCS, not part of the Federal FCP.

Floodwall "C"

Sta. 0+00 wall begins in parking lot, Sta. 2+00 is elbow, Sta. 3+36 wall ends downstream.



e. Sta. 0+75, Overview of floodwall, good maintenance.

Kapoolani St. Bridge



f. Kapoolani St. Bridge, Overview of floodwall and fence, good maintenance.

Concrete Channel Apron:

Channel Apron begins at Sta. 28+30 (upstream) and ends at Sta. 26+00.



g. Sta. 26+00, Overview of channel end and apron start.

Concrete Lined Channel:

Channel begins at Sta. 26+00 (upstream) and ends at Sta. 6+19.



h. Sta. 22+00, Overview of concrete lined channel.



i. Sta. 21+00, Right Bank (RB), caulk expansion joint.



j. Sta. 6+19, Overview, start of concrete lined channel.

Earthen Levee

Begins at Sta. 0+00 (upstream) and ends at Sta. 7+00.

Maintenance Rd. Townside begins at Sta.(-)1+50 and ends at Levee Sta 0+00



k. Sta. 2+00, 42" drainline, grease flapgate.



l. Sta. 3+00, Levee in good condition, excellent maintenance.



m. Sta. 3+50, Parkside, Levee Thumb, no problems noted. Continue to cut vegetation at the toe of the sideslope.

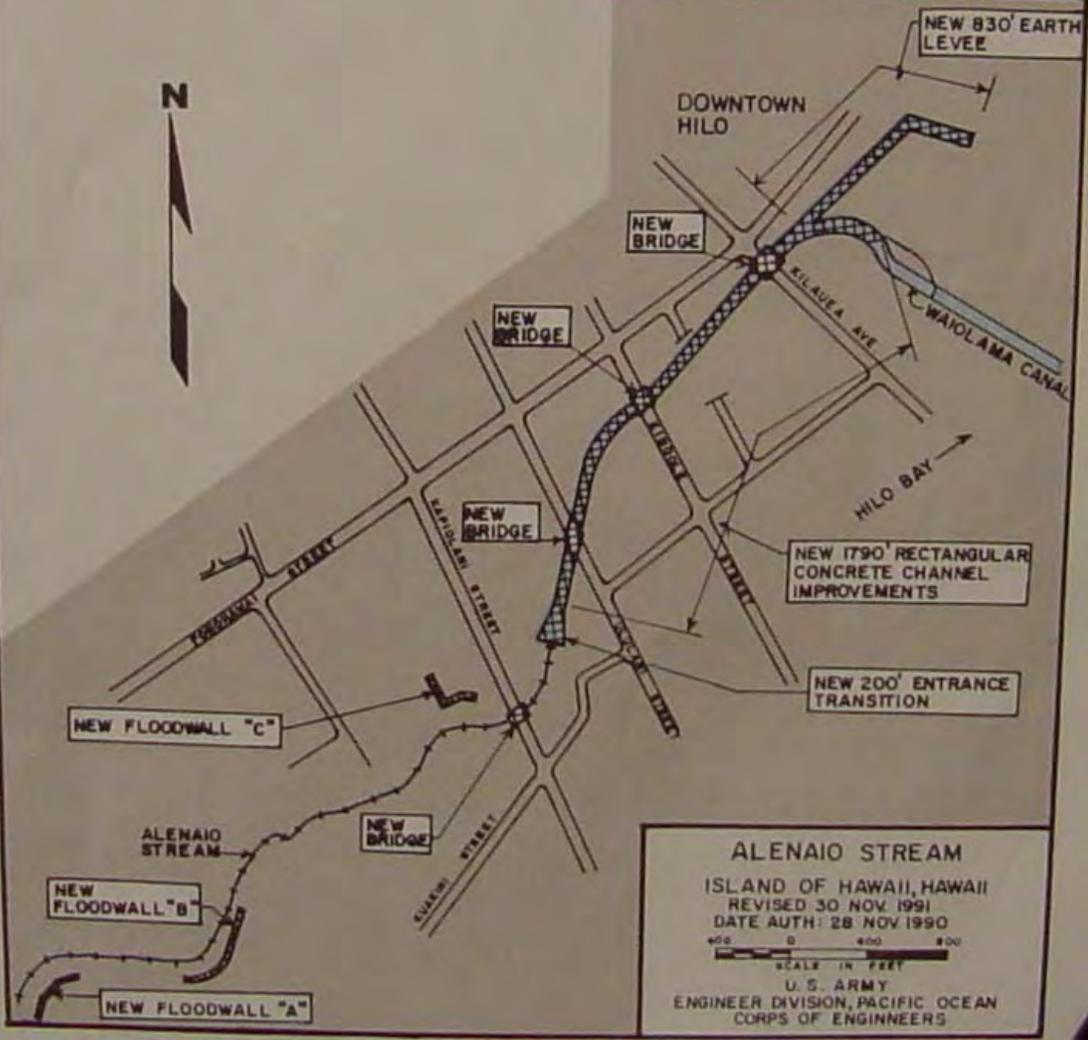
6. Findings/Conclusions:

IAW ER 500-1-1, (dtd 30 September 2001), and based on this CEI, the Project Rating is "S, Satisfactory", the Project Condition Code is "A, ACCEPTABLE" and the Project Status is ACTIVE in the Rehabilitation and Inspection Program.

Signed: _____
Dan Meyers, CEPOH-EC-T

Signed: _____
James Pennaz, P.E., Ch, CEPOH-EC-T

- Enclosure(s)
1. Site Plan
2. Photo Map



ALENAIO STREAM
 ISLAND OF HAWAII, HAWAII
 REVISED 30 NOV 1991
 DATE AUTH: 28 NOV 1990
 U.S. ARMY
 ENGINEER DIVISION, PACIFIC OCEAN
 CORPS OF ENGINEERS

ALENAIO STREAM, HAWAII, HAWAII

CONDITION OF IMPROVEMENT 30 SEPTEMBER 1993

PREVIOUS PROJECTS: None.

EXISTING PROJECT: Authorized by the Water Resources Development Act of 1986 (PL 99-662), 17 November 1986 and modified by Sec 102k of the Water Resources Development Act of 1990 (PL 101-640), 28 November 1990. Provides for 1,787 feet of concrete-lined channel, construction of four new bridges, removal of one public, one business and six residential structures, two segments of cement-rubble-masonry floodwall totaling 453 feet, a 487-foot concrete floodwall, a 200-foot wedge-shaped entrance transition, 832 feet of earth levee, and incorporating floodplain management regulations in undeveloped areas.

PROGRESS OF WORK

Completed and Under Maintenance: Construction of this project has not been initiated.

Work Remaining: Preconstruction engineering and design, initiated in February 1988, is 95 percent complete. Construction contract is scheduled for award in FY 1994.

COST OF CONSTRUCTION:

	<u>New Work</u>
United States Funds	\$10,094,000
Contributed Funds	
Required	746,000
Other	<u>3,565,000</u>
Total Estimated Costs (1993)	\$14,405,000