



**CONTINUING ELIGIBILITY INSPECTION (CEI) REPORT**  
**FOR HURRICANE & SHORE PROTECTION PROJECTS**  
Honolulu Engineer District  
CEPOH-EC-T

Aoa05rpt-spp.doc

1. Project Name: Aoa Shore Protection Project

2. Date of Inspection: March 14, 2005

3. Inspection Personnel:

	<u>Name</u>	<u>Agency/Office</u>	<u>Telephone No.</u>
a.	Dan Meyers	COE	438-8875
b.	Jessica Hays	COE	438-1680
c.	Reuben Siatu'u	DPW	633-4141

4. Rating for FY05:

Project Rating: **"MS, Marginally Satisfactory"**  
Project Condition Code: **"MA, Minimally Acceptable"**  
Project Status: **"Active"**

5. Discussion:

The SPP is 670 LF. Sta. 0+00 is located at the West-End of the project (Opposite the Main Road Side). It appears that some maintenance has been conducted since the last inspection of 12 April 2004. All discrepancies were noted and brought to the representative's attention. The major deficiencies were as follows:



a. Sta. 0+00, End of west tieback, in need of vegetation removal. Increased vegetation since 2004, trees have been removed, but stumps remain, remove.



b. Sta 0+49, Vegetation continues to grow in this area. Trees at interior of revetment have been cut, but trees on exterior of revetment have grown larger. Remove trees and vegetation.



c. Road built over the revetment from 0+35 to 0+49 by DPW. Remove tree at 0+70 exterior sideslope toe.



d. Sta. 1+16, Structure alignment changes perpendicular to shoreline.  
(2004 PHOTO)



e. Sta. 1+34, Begin area of settling and undermining. Settling at crest hinge, monitor. Remove all trees at interior of revetment within 5 feet of the structure.



f. Sta. 1+87, 3 ea. dislodged armor stones at the interior slope and voids. Reset stones to fill voids. Remove trees within 5 feet from toe of structure.



g. Sta 2+05, Settling at crest hinge and on exterior side slope, monitor.



h. Sta. 2+47, Reference armor stone on centerline approx. 5 ft in length. Adjacent to restrooms. (2004 PHOTO)



i. Sta. 2+82, Split armor stone on crest, reset dislodged stones on interior slope, and 10 ft area of settling on exterior slope. Remove trees at interior of revetment.

j. Sta 3+07, Depression on exterior slope.



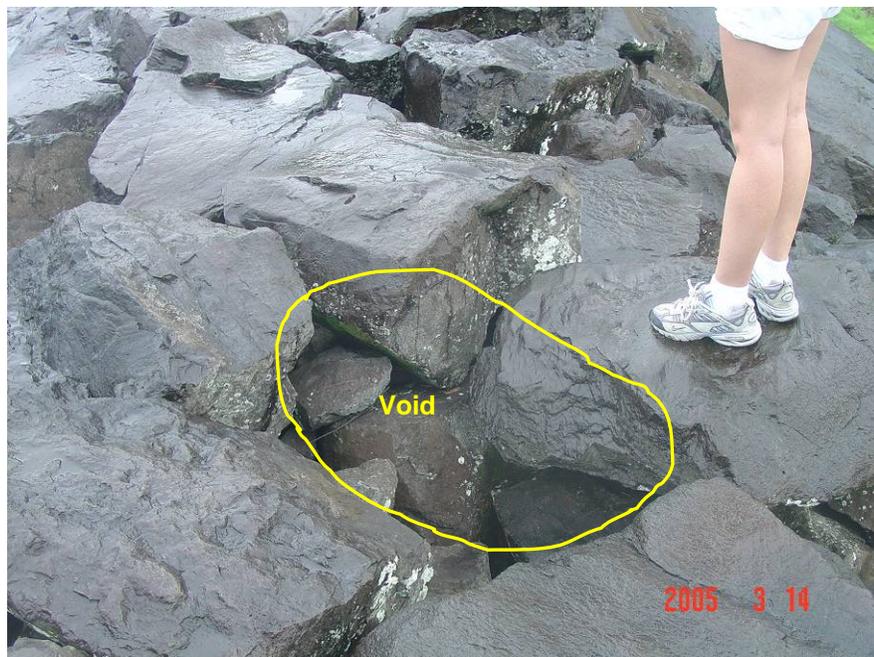
k. Sta. 3+23, Fill void at interior sideslope with dislodged stone. Armor stone resting on crest (not shown).



l. Sta. 3+50, Monitor slight depression through crest and down the sideslope.



m. Sta 3+55, Reset flipped armor stone on crest.



n. Sta. 3+83, Reset dislodged stone at interior toe into void at centerline of crest; settling at crest.



o. Sta. 4+20, Monitor 4 ft wide depression on exterior sideslope hinge.



p. Sta. 4+56, Monitor 2 ft depression on centerline and hinge of exterior sideslope.



q. Sta. 4+72, Monitor settling at crest, settling and bridging at interior sideslope hinge.



r. Sta. 4+95, Monitor slight settling of one stone at exterior hinge (2'x2'). Increased settling since 2004 inspection.



s. Sta 5+20, Monitor depression at interior crest hinge. New this inspection.



t. Sta. 5+43 to 5+59, Monitor settling of exterior sideslope at bend in structure.



u. Sta. 5+43, Start of bend toward road. Oversized stones and poor gradation. 15 ft area of settling. Remove woody vegetation adjacent to road (Sta 5+88).



v. Sta 5+88, Remove woody vegetation adjacent to road. (2004 Photo)



t. Sta. 6+14 to 6+68, East tieback at interior of road. Monitor the steel sheetpiles protecting the inner tieback. Note: The sheetpile is not part of the authorized project. (2004 PHOTO)

6. Notes / Recommendations:

Structure is primarily in good condition with respect to functionality. The focus of the maintenance required should be directed at vegetation control. Removal or herbicides are recommended in lieu of cutting.

Signed: \_\_\_\_\_  
Jessica Hays, CEPOH-EC-T

Signed: \_\_\_\_\_  
Jim Pennaz, P.E., Ch, CEPOH-EC-T

Index Map





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AOA AREA, AMERICAN SAMOA

CONDITION OF IMPROVEMENT 30 SEPTEMBER 1989

PREVIOUS PROJECTS: None.

EXISTING PROJECT: Authorized in July 1975 under Section 103a of the River and Harbor Act of 1962, as amended. Provides for a 710 feet long rock revetment with a crest elevation of 12 feet MLW and side slope of 1V and 2H.

PROGRESS OF WORK

Completed and Under Maintenance: The project was completed in October 1977.

Work Remaining: None.

COST OF CONSTRUCTION:

	<u>New Work</u>
<u>Completed Works:</u>	
United States Funds	\$126,176
Contributed Funds (Required)	<u>126,176</u>
Total Costs	\$252,352

RANGE OF TIDES: The tidal range between mean low water and mean high water is 2.5 feet.