



Southeast Coast of Oahu, Hawaii  
Regional Sediment Management  
Operations and Maintenance, General

**PROJECT NAME AND STATE:** Southeast Oahu Regional Sediment Management (RSM) Demonstration Project, Oahu, Hawaii

**DESCRIPTION OF ADDED WORK INCL SOURCE:** Conference Report on Consolidated Appropriations Act 2005. Regional Sediment Management Demonstration Program -- “The conferees have provided \$2,500,000 for this program. Within the funds provided, \$500,000 is for the southeast coast of Oahu, Hawaii and \$1,000,000 is for the Littoral Drift Restoration Program, Washington”.

**AUTHORIZATION:** Section 516 of the Water Resources Development Act of 1996.

**RELATIONSHIP TO EXECUTIVE BRANCH POLICY:** This work is consistent with Administration policy.

**SUMMARIZED FINANCIAL DATA**

Study	
Estimated Federal Cost	\$1,289,800
Estimated Non-Federal Cost	\$0
Total Estimated Cost	\$1,289,800
Allocation through FY 2004	\$39,800 <sup>1</sup>
Conference Amount for FY 2005	\$500,000
Allocation for FY 2005	\$500,000
Budget Request for FY 2006	\$0
Balance to Complete After FY 2006	\$750,000

<sup>1</sup> Reimbursable funds provided by ERDC to the Honolulu District

**ISSUES AND OTHER INFORMATION:** The RSM program goals are development of tools and knowledge necessary to understand the effects of sediment management actions at both local and regional scales. The program is managed by the Engineer Research and Development Center (ERDC). The southeast coast of Oahu, Hawaii is an excellent site to determine the nature of random loss/gain of sand, shoreline recession/accretion and the general nature of littoral transport considering the important recreation and economic impact to the area.

**RECOMMENDED IMPLEMENTATION PLAN FOR ADDED WORK:** Funds would be used to initiate coastal engineering investigations and computer modeling for this study to (1) document long-term trends in wave climate, (2) develop a regional sediment budget and a geographic information system (GIS) for three interconnected littoral cells within the region, (3) identify suitable sand sources, and (4) develop/calibrate a sediment transport model for the southeast coast of Oahu, Hawaii. Contingent upon the full funding of this three year study effort, final products are to include a sand source inventory, regional sediment management plan and web-enabled GIS platform for the Southeast Oahu Region, Hawaii.

Dated as of 9 June 2005