



12 November 2004

INFORMATION PAPER

SUBJECT: Kahoma Stream Flood Control, Maui, Hawaii

1. Purpose: To provide information on the subject project.
2. Points of Major Interest and Facts.

a. The Kahoma Stream Flood Control project is in the operations and maintenance phase and was last inspected in October 2003. The project's condition rating is listed "acceptable," meaning the project is in good condition and functional.

b. The Kahoma Stream watershed is located on the west coast of Maui, near the town of Lahaina. The drainage basin totals 5.4 square miles. Since 1879, at least 20 damaging floods occurred in Lahaina due to overtopping of the stream. The project was authorized under Section 201 of the Flood Control Act of 1965 (Public Law 89-298), as amended. The local sponsor is the County of Maui, Department of Public Works.

c. The project consists of a 5,415 foot concrete channel, a debris basin, offshore rubble apron, three pre-stressed concrete bridges, and related utility relocations. The debris basin design volume is 54,000 cubic yards. The project is designed for standard project flood level protection with a discharge of 15,200 cubic feet per second at the stream mouth. The project was completed in April 1990 at a cost of \$18,500,000 (Federal: \$10,840,000; non-Federal: \$7,660,000). The non-Federal costs included \$1.3 million funded by the local sponsor for construction of an underpass to a shopping center, a vehicular traffic bypass at Front Street, widening of the Honoapiilani Highway Bridge, and a drainage outlet structure.

d. Additional work was performed to provide the County an improved access ramp and the maintenance of the debris basin. The construction contract awarded in January 1996, and was completed in October 1996. The cost of the access road was \$550,000 (Federal: \$393,000; non-Federal: \$157,000).