

Project Factsheet for: National Levee Database

Date Last Updated: 08/31/2007 14:16

Project Location Information

Location:Rock Island District

River Basin(s): Des Moines / Skunk, Illinois, Iowa / Cedar, Mississippi , Rock

State(s): MO, IA, IL

Congressional District(s): IA-3, IA-4, IL-11, IL-17, IL-18, IL-3, MO-9, IA-1, IA-2

Status

Rock Island District received project funding on 14 May 07. An interdisciplinary Project Development Team (PDT) has been established. Development of the surveying contract for qualified (i.e. those levees providing or potentially providing protection from the 1% chance flood event) levee systems along the Upper Mississippi River is underway. The national surveying contractor, PBS&J, will be utilized. Active coordination with the District's flood area engineers (FAEs) is occurring. Requisite Right of entry (ROE) is being pursued. The releasability of supporting documents (e.g. as-builts, O&M manuals, etc.) to the surveying contractor (s) has been addressed. Scheduling and coordination with other related projects and initiatives (e.g. Mainstem Levees Evaluation, floodplain LIDAR mapping, and evaluation of project datums) is ongoing. Surveying contract for ~450 miles of Upper Mississippi River mainstem levees is expected to be awarded by September 2007.

Description

The need to develop a comprehensive national levees database was recognized as FEMA's nation-wide digital flood insurance rate map (DFRIM) modernization program advanced. The criticality of this need was brought to the forefront by Hurricane Katrina. Subsequent Congressional action, specifically FY06 supplemental FCCE funding, provided the Corps with the resources necessary to design and build a National Levee Database (NLD). An initial levees survey instrument was fielded to quantify the magnitude of this effort. A USACE Project Development Team (PDT) was then tasked with development of the data model. PBS&J has been contracted to provide support to all aspects of the NLD project. 5 pilot Districts were designated to field test the data model, including development of standard operating procedures for data collection (e.g. surveying) and populating the database. A generic, per levee mile, cost estimate of \$2,200/mile for surveying and database development has been established. This generic value was used to develop a NLD cost estimate for the ~500 linear miles of levees within in the Rock Island District that provide or potentially provide protection from the 1% chance flood event.

Summarized Financial Data

Federal Cost	\$1,100,000
Non-Federal Cost	\$0
Total Cost	\$1,100,000
Federal Allocations through FY 2007	\$1,100,000
Scheduled Federal Allocation for FY 2008	\$0
Balance to Complete	\$0

Major Work Item (This Fiscal Year)

Complete detailed field surveying of and database develop for ~450 miles of qualifying levees (i.e. levees known to provide or potentially providing protection from the 1% chance flood event) within the rock Island District of the U.S. Army Corps of Engineers.

Major Work Item (Next Fiscal Year)

Complete detailed field surveying of and database develop for remaining qualifying levees (i.e. levees known to provide or potentially providing protection from the 1% chance flood event) within the rock Island District of the U.S. Army Corps of Engineers.

Authority

Authority Not Assigned In System -- Flood Control & Coastal Emergencies (FCCE) , P.L. 84-99

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