



US Army Corps
of Engineers
St. Paul District

Information Paper

Navigation: Mississippi River Locks and Dams 2-10 Embankment Rehabilitation



Clear Lake (upper left) downstream of Lock and Dam 4, Minnesota.

Contact

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Location/Description

Earthfill embankments are integral to each of the Mississippi River Locks and Dams 2 through 10. The purpose of this project is to reestablish and armor degraded embankments to prevent further erosion and potential failure during high water events. The existing rock protection is well past its intended design life and does not perform satisfactorily. Wave action from high water causes continued widespread erosion.

Embankment rehabilitation will address restoring embankments to meet current design standards. Overtopping protection adjacent to concrete structures is the first priority for design and construction. No increase in the height of the embankments is planned.

Status

A draft problem appraisal report (PAR) has been prepared for a programmatic review of the embankments nonadjacent to structures. Subsequent to the PAR, definite project reports (DPR) with integrated Environmental Assessments (EAs) under the National Environmental Policy Act will be prepared for applicable projects identified. The PAR: (1) identifies programmatic rehabilitation and repair needs, (2) programmatically evaluates and screens alternative measures, and (3) prioritizes locks and dams for funding and subsequent repairs. Definite project reports with an integrated EA will be completed for individual projects.

Construction work for embankments adjacent to structures at Locks and Dams 8 and 9 were completed in FY15. In FY16, Locks and Dams 4 and 5 repair project is under construction. Embankment repair adjacent to structures are expected to be awarded in fall 2016 for Lock and Dam 5A.

Remaining embankment work is estimated to cost \$22.5 million. It will be scheduled when funding is available.

Authority

The Upper Mississippi River 9-Foot Channel Navigation Project was authorized as part of the Rivers and Harbors Act approved July 3, 1930.

Fiscal

Embankment rehabilitation work at the locks and dams is completed with 100 percent Federal funds.

FY15: Locks and Dams 4 and 5 Embankment Repair at Structures:

\$740,000, awarded

FY16: Lock and Dam 5A Embankment Repair at Structures:

\$500,000 to be awarded