



EXECUTIVE SUMMARY

Periodic Inspection Results for the Mississippi River – City of Hannibal, Missouri Local Flood Protection Project

The City of Hannibal, Missouri Local Flood Protection is a federally authorized non-federally operated and maintained urban flood protection project. The Hannibal Local Flood Protection project was authorized by the Flood Control Act of 1962, as described in House Document No. 564, 87th Congress, 2nd Session.

The flood protection lies along the right bank of the Mississippi River in Marion County, approximately 9 miles upstream from Lock and Dam 22 at River Mile 309.0. This flood project was constructed in three stages. Stage I was awarded on March 13, 1990 and was substantially completed on November 17, 1992. Stage IA was awarded on May 30, 1991 and completed on November 21, 1992. Stage II was awarded on July 28, 1992 and completed on June 11, 1993.

The City of Hannibal is responsible for operating and maintaining the flood protection system.

The five year Periodic Inspection of the Hannibal system occurred on April 29th and May 28th, 2010. The local sponsor shows an active response to operation and maintenance of the project; however, some deficiencies were noted and actions are required. The overall system rating recommended by the contractor who conducted the inspection was unacceptable based on the deficiencies identified in the report.

The Rock Island District received comments from the Sponsor in response to the draft Periodic Inspection Report. Those comments and responses were considered during the levee risk analysis used to determine the final inspection rating. Several deficiencies were determined to be temporary conditions allowing the rating of the system to be appropriately based on an engineering determination of risk.

The Rock Island District has determined that the existing departures from USACE national standards identified during the Periodic Inspection result in an appropriate rating of the levee system as **Minimally Acceptable**. The Rock Island District rating supersedes the contractor's rating.

Issues that could impair the operation of the system and are in the most need of action:

- Unwanted vegetation is present within the vegetation-free zone of the levee system as defined by ETL 1110-2-571.
- The railing for Gatewell F at Station 33+00 had become detached from the concrete structure. The concrete at the locations of the anchor bolts was spalled and damaged.

The next annual Inspection will be scheduled after October 2011, with periodic inspections currently scheduled every five years.