



# Amana Remedial Works Levee, Iowa River, IA

U.S. ARMY CORPS OF ENGINEERS

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## Location

Iowa River, IA

## State(s)

IA

## Congressional District(s)

IA-2

## Status

This work was all completed in 2010. The levee and structures are being monitored as required. An OCA assessment was performed in 2012. There is some minor work or repairs needed to the structures, overall however they were in good operating condition. The minor repairs have been completed in 2013 and now have implemented a quarterly inspection regiment. The levee condition was inspected by an independent third party during 2014, findings have yet to be delivered. It was again inspected as part of the Periodic Inspection and dam safety program during August 2014.

## Description

Amana Remedial Works Levee is located along the Amana Mill Race and Price Creek in the town of Amana, Iowa. This system was built as a part of the overall Coralville Lake Dam flood control project to protect historic and commercial buildings in Amana. The project has two separate segments of floodwall. One is 124- long, 17-feet high and abuts the foundation of the historic woolen mill building. The second is 180-feet long, 6-feet high and is classified as a T-Wall. The system provided protection up to an elevation of 717.0 feet, NGVD 1929. This corresponded to the same elevation flowage easements were obtained for the construction of Coralville Dam. This elevation is five feet above the full flood pool of 712.00 feet. After the 1993 flood event, the concrete wall at the Woolen Mill was raised to an elevation of 719.0 feet.

The system was given an unacceptable rating during an annual inspection in November 2006. The unacceptable rating was a result of discovering severely deteriorated concrete through the entire thickness of the T-Wall floodwall. This occurred at one location while attempting to patch what was thought to be deterioration just at the surface. Both segments of floodwall are showing similar signs of deteriorated concrete in many locations, especially within three feet of each monolith joint.

## Summarized Project Costs

Amana Remedial Works Levee, Phase 1 - \$174,000

## Additional Project Information

Damage was sustained to the Amana Remedial Works Levee system during the summer flooding in 2008. Funds were requested and received under the Continuing Resolution Authority Supplemental Appropriations Act of 2008 amounting to \$1,300,000 to repair the damage to the Amana Remedial Works Levee System. A contract was awarded in November 2009 to repair flood damage to the levee along Price Creek, and was completed



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in Spring 2010. At that time it was determined that the levee should be raised to coincide with the wall elevation of 719. Engineering and design on repairs to the two separate segments of floodwall began in February 2010, and a construction contract was awarded. Completion of the repairs occurred in the fall of 2010 and the levee was raised to an elevation to 719 feet, NGVD 1929.

## **Authority Details**

Flood Control Act, 28 June 1938

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**U.S. ARMY CORPS OF ENGINEERS - ROCK ISLAND DISTRICT**

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