

Project Factsheet for: Amana Remedial Works Levee, Iowa River, IA

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Project Location Information

Location: Iowa River, IA
River Basin(s): Iowa / Cedar
State(s): IA
Congressional District(s): IA-2

Status

Since this problem was just recognized, no funding has been appropriated to address this structurally unacceptable floodwall. Efforts will be on going to find immediate sources of funding for this project given that the first budget submission will be in the FY10 Budget. Funding is needed for the following steps; (1) concrete condition and structural analysis report, (2) plans and specifications, and (3) construction. \$100,000 for initial condition survey and structural analysis would be required the first year. With an additional \$550,000 needed for design work following this years analysis.

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 in order to protect historic and commercial buildings in Amana. The project has two separate segments of floodwall. One is 124-feet in length, 17 feet in height and abuts the foundation of the historic woolen mill building. The second is 180-feet in length, 6 feet in height and is classified as a T-Wall. The system provides protection up to elevation 717.0 feet, NGVD 1929. This corresponds to the same elevation flowage easements were obtained up to for the construction of Coralville Dam. This elevation is 5 feet above the full flood pool of 712.00 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 when attempting to patch what was thought to be deterioration just at the surface. Both segments of floodwalls are showing similar signs of deteriorated concrete in many locations, especially within three feet of each monolith joint.

Major Work Item (This Fiscal Year)

Flood Damage Assessments.

Major Work Item (Next Fiscal Year)

Initial funding will facilitate a concrete condition and structural analysis report of the entire floodwall. Testing will include taking concrete cores and performing petrographic analysis to produce a detailed condition survey of the floodwalls. Once the integrity of the existing system is known, credible estimates on the design and construction cost can be developed. Work on design drawings and specifications could proceed in FY08 if additional funds are secured based on the findings of concrete condition and structural analysis report.

Authority

OM - Operations and Maintenance -- Flood Control Act, 28 June 1938

Project Manager Information

Name: Rick Granados
Phone: (309)794-5040
E-mail: rick.d.granados@usace.army.mil
Additional Contact Information:

Steven D. Russell, Assistant Chief, Rock Island District Operations, telephone (309)794-5401,
email: steven.d.russell@usace.army.mil