

# Wood River Levee Reconstruction, Madison County, IL

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**Abstract:** The recommended plan provides for flood damage reduction and restores the original degree of protection of the Wood River Levee System located along the Mississippi River in Madison County in southwestern Illinois. The non-federal sponsor is the Wood River Drainage and Levee District. The Wood River Levee System was authorized by the Flood Control Act of 1938 and modified by the Flood Control Act of 1965, with much of the construction taking place in the 1950s

and 1960s. The plan recommends construction of measures to address design deficiencies and reconstruction measures to address the long-term degradation of materials, systems and components of the existing project that have exceeded their expected service life. The design deficiency measures include replacement of 163 existing relief wells and installation of 60 new relief wells which can be implemented under existing project authority. New authorization is required to implement the reconstruction measures, which include construction or replacement work at 38 gravity drains, 26 closure structures (including abandonment of 3 railroad closure structures that are no longer used), and 7 pump stations.

The estimated first cost of the recommended plan is \$29,630,000, all for the purpose of flood damage reduction. Of this amount, \$12,900,000 is for the design deficiency correction measures that will be implemented when funding is provided. The estimated Federal share is \$8,400,000 and the non-Federal share is \$4,500,000. The estimated first cost of the reconstruction measures is \$16,730,000. The estimated Federal share is \$10,900,000 and the non-Federal share is \$5,830,000. Total expected annual costs are estimated to be \$2,035,000, including \$252,000 for operation, maintenance, repair, rehabilitation, and replacement (OMRR&R). The expected annual benefits are estimated to be \$6,547,000, with net annual benefits of \$4,513,000.

The benefit to cost ratio is 3.2 to 1 for the overall project. All measures are incrementally justified. A Finding of No Significant Impact was prepared stating no compensatory fish and wildlife mitigation is required.

**Report Documentation:** Pertinent documentation on the project, the results of the CWRB, and subsequent Washington Level Review Actions are linked below.

- [CWRB Briefing Agenda](#)
- [Project Summary](#)
- [CWRB Briefing Slides](#)

- [CWRB Lessons Learned](#)
- [CWRB Meeting Record](#)
- [Comment Letters](#)
- [Documentation of Review Findings](#)
- [Signed Chief of Engineers Report](#)
- [ASA \(CW\) Memo to OMB](#)
- [OMB Clearance](#)
- [Congressional Notification](#)
- [Finding of No Significant Impact](#)
- Authorization
  - [Section 1001 \(20\) WRDA 2007](#)
  - [Full WRDA Text](#)

**Additional Information:**

[Mississippi Valley Division](#)

[St. Louis District](#)

[Wood River Levee Project Information](#)