

Topeka, Kansas, Flood Damage Reduction Project

30 January 2009



Abstract: The recommended plan provides for flood risk management and restores the reliability of the Topeka, Kansas, Levee System located along the Kansas River and tributaries in Shawnee County in northeastern Kansas. The non-Federal sponsors are the City of Topeka, Kansas, and the North Topeka Drainage District. The Topeka, Kansas, Levee System was authorized by the Flood Control Act of 1936 and modified and expanded by the Flood Control Act of 1954. The system consists of six separate levee units and is a component of a larger system of levees and reservoirs that provides flood risk management

benefits to the Kansas River basin. During project analysis it was determined that the levee height was sufficient, but that there was a risk of levee failure at less than the design flood due to structural and geotechnical concerns. The recommended plan proposes corrective actions to include reinforcement or replacement work at 4 earthen levee reaches, 3 floodwalls, and 3 pump stations. The levee alignment and height will remain the same.

The total estimated implementation cost of the recommended plan is \$21,157,000 (Oct 2008 price level) shared between the Corps and two non-Federal levee sponsors. The total Federal share of the plan is \$13,752,050 or 65 percent of the total cost and the sponsors share is \$7,404,950 or 35 percent. The average annual costs of the plan are \$1,168,100; benefits, \$15,427,600; net benefits, \$14,259,500. The resulting benefit to cost ratio is 13.2 to 1. All proposed measures are economically justified.

An Environmental Assessment and Finding of No Significant Impact were prepared stating that there are no significant direct or cumulative environmental impacts of the plan. Minor impacts will occur during construction and mitigation plans have been proposed and coordinated with and approved by the necessary resource agencies. The long-term environmental and cultural consequences of plan implementation are positive as the increased reliability of the units will act to guard the social and environmental fabric that has developed within the study area.

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

- [CWRB Agenda](#)
- [Project Summary](#)
- [CWRB Briefing Slides](#)
- [CWRB Lessons Learned](#)
- [CWRB Meeting Record](#)
- [State & Agency Review Comment Letters](#)
- [Documentation of Review Findings](#)
- [Signed Chief of Engineers Report – 24 August 2009](#)
- [Advance Copy to Congressional Committees](#)
- [ASA\(CW\) Memo to OMB](#)

- [OMB Response](#)
- [ASA \(CW\) Transmittal to Congress](#)
- [Signed Finding of No Significant Impact](#)
- Authorization

Additional Information:

- [Northwestern Division](#)
- [Kansas City District](#)
- [Topeka study site on the district website](#)