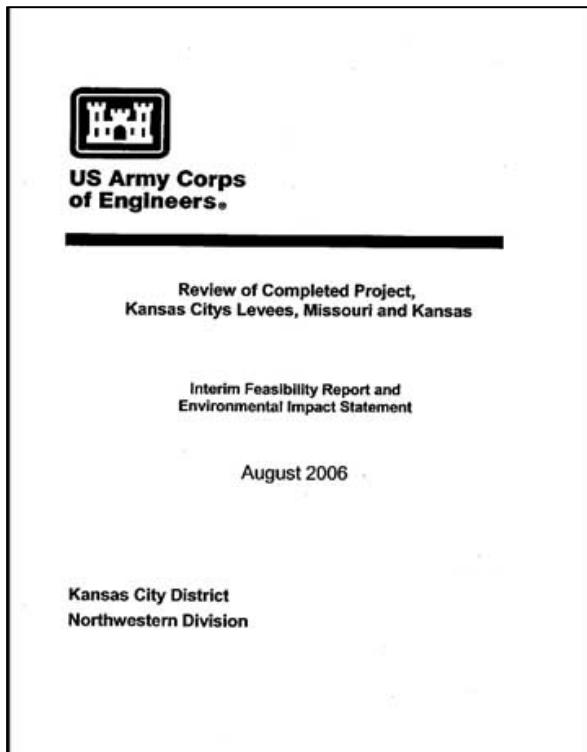


Argentine, East Bottoms, Fairfax-Jersey Creek, and North Kansas City Levee Units Missouri River and Tributaries at Kansas Cities, Missouri and Kansas 20 September 2006



Abstract: The Missouri River and Tributaries at Kansas Cities project was authorized by the Flood Control Act of 1936, and modified by the Flood Control Acts 1944, 1946, and 1954. Project construction of the last levee was completed in 1968. The project area is located in the Kansas City metropolitan area at the confluence of the Missouri and Kansas Rivers. The levee units are located in two states, Kansas and Missouri, and encompass several city and county jurisdictions. The primary entities include Kansas City, Missouri, the Unified Government of Wyandotte County and Kansas City, Kansas, and North Kansas City, Missouri. The 32-square-mile protected area is fully developed, consisting primarily of industrial and commercial districts with some residential areas. The existing project consists principally of levees, floodwalls, and appurtenant features. The project extends over the lower 10 miles of the Kansas River and on the Missouri River from 6.5 miles upstream to 12.5 miles downstream of the mouth of the Kansas River.

The recommended plan is to modify portions of the existing project to reduce flood damages in the vicinity of Kansas City, Missouri and Kansas City, Kansas. The plan includes measures to increase the degree of protection for the Argentine Levee Unit, to improve the reliability of East Bottoms Levee Unit, and to lengthen and reconstruct the Fairfax Jersey Creek

Levee Unit sheetpile wall. These reconstruction measure addresses the long-term degradation of materials, systems and components of the existing project that have exceeded their expected service life. The total first cost of these three measures is estimated at \$63,400,000, all for flood damage reduction. Each measure would be cost shared 65 percent Federal and 35 percent non-Federal, resulting in an estimated Federal share of \$41,200,000 and an estimated non-Federal share of \$22,200,000. The total expected annual costs are \$4,200,000, including \$41,000 for operation, maintenance, repair, rehabilitation, and replacement (OMRR&R). The expected annual benefits are estimated to be \$33,200,000 with net annual benefits of \$29,000,000. The benefit-cost ratio is approximately 7.9 to 1 for the new work.

In addition to the above measures to increase project capabilities, additional measures would be implemented to correct design and construction deficiencies in the Fairfax Jersey Creek and North Kansas City levee units in order to restore the original degree of protection. The three measures can be implemented under existing project authorization when funding is provided. The total first cost of the deficiency correction plan is estimated at \$16,100,000. The estimated Federal share is \$10,500,000 and the estimated non-Federal cost share is \$5,600,000. The total expected annual costs are \$990,000, including \$38,000 for OMRR&R. The expected annual benefits are estimated to be \$8,200,000 with net annual benefits of \$7,200,000. The benefit-cost ratio is approximately 8.2 to 1 for the corrections. The recommended plan is the national economic development plan.

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](#)
- [Signed Record of Decision](#)
- Authorization
 - [Section 1001 \(28\) WRDA 2007](#)
 - [Full WRDA Text](#)

Additional Information:

[Northwestern Division](#)

[Kansas City District](#)

[Kansas Citys Levees Feasibility Report Information](#)