



US Army Corps
of Engineers

St. Louis District

Flood Control Act of 1936; Energy and Water Development Appropriations Act of 1988 (Public Law 100-202)
Section 4 of the Flood Control Act of 1938; Section 103 of WRDA 1986; Section 101(20) of WRDA 2007
The Flood Control Act of 1936; WRDA 2000 and 2007

Information Paper

Metro East, IL Levee Projects

Construction (FRM)

Location: The Metro East levee system is comprised of the Wood River Drainage and Levee District (including Mel Price – Upper Wood River), East St. Louis (Metro East Sanitary District), and the Prairie du Pont/Fish Lake Drainage and Levee District located in Madison, St. Clair, and Monroe Counties, Illinois.

Description: The levee system(s) were designed to withstand a flood at 54 feet on the St. Louis gage; approximately a 0.2 percent chance of exceedance (500-year event) and provides flood protection to approximately 288,000 residents and over \$13.3 billion in economic value. Wood River and East St. Louis have completed reconstruction projects. In addition, each system has approved Limited Reevaluation Reports that address design deficiencies for underseepage controls. The levee systems have a significant risk of failure during high water events until the design deficiency corrections are completed. Supplemental reports for Mel Price and Wood River, incorporating risk assessment (RA) guidelines per ER 1110-2-1156 were approved in 2017 and 2019. The economic status of the Prairie du Pont/Fish Lake design deficiency project has resulted in no Federal construction funding. Therefore, the only opportunity for flood risk reduction is through construction by the NFS (initiated in 2017). Design deficiency corrections are underway in Wood River and East St. Louis to address uncontrolled underseepage. Incorporation of new project information and completion of RA's in both systems resulted in changes to the total project costs for both projects. The East St. Louis project was funded to completion (\$95.2M) in the FY19 Work Plan. Wood River will require approximately \$14.8M in additional federal funds to complete the project. Design and construction in both Wood River and East St. Louis are progressing. East St. Louis construction contract awards include a contract for construction of a deep cutoff wall awarded in FY20 and a relief well contract awarded in FY22. In FY22, two construction contracts were awarded in Wood River, with an additional contract award pending. MVS maintains close communication with the non-federal partners for coordination and assistance with the required LERRD (Lands, Easements, Rights-of-Way, Relocations, and Disposal Areas) acquisitions necessary for the projects.

Status: The sponsor, Southwestern Illinois Flood Prevention District Council (FPD), has completed \$74.6M in work to improve the system to 1.0 percent chance of exceedance to attain 100-year level of protection and maintain FEMA accreditation. The FPD has indicated their desire to provide cost share funds as Work in Kind (WIK) credit and has developed a plan for designing and constructing portions of the authorized project. To date, approximately \$16M in Wood River and \$12M in East St. Louis WIK credit has been approved. The FPD continues with their WIK efforts and completed construction on two bid packages in East St. Louis in FY21.



East St. Louis Levee System
Urban Landscape



Critical infrastructure includes the
Wood River Refinery

Activities for FY22: Wood River- The PDT continues design effort for the remaining underseepage corrections. Two contracts were awarded and an additional contract is scheduled for FY22 award. East St. Louis-Contract award for relief well construction was awarded in August 2021. Oversight continues for the deep cutoff wall. Mel Price –



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contract for Reach 1 relief wells was awarded in June 2021. Reach 2 relief well contract is scheduled for award in FY22. Design continues for all Metro East remaining bid packages. The FPD continues with design and construction of WIK activities in both Wood River and East St. Louis.

Project	FY 19 Allocation	FY 20 Allocation	FY 21 Allocation	FY 22 Allocation
Wood River	\$0	\$0	\$0	\$0
East St. Louis	\$95,200k	\$0	\$0	\$0
Mel Price	\$5k	\$11,876k	\$12,211k	\$0
Prairie du Pont	\$0	\$0	\$0	\$0