



Wood River Levee, IL

U.S. ARMY CORPS OF ENGINEERS

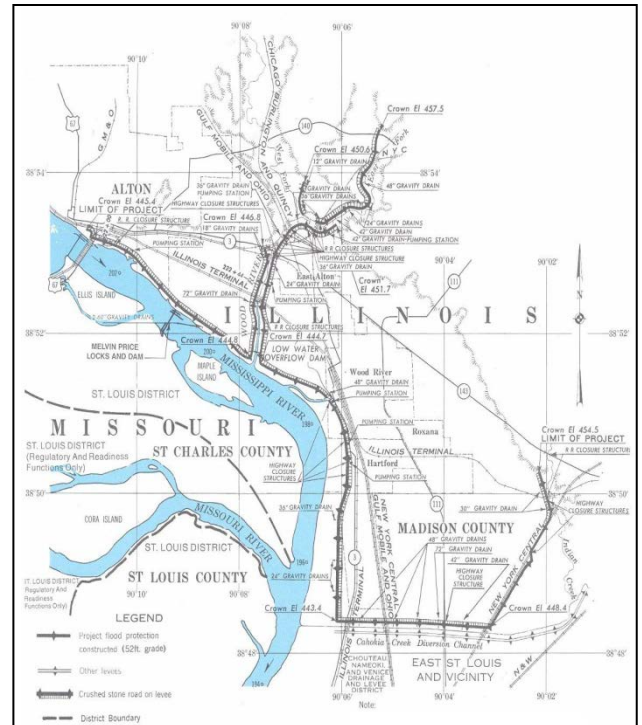
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AUTHORIZATION:

Section 4 of the Flood Control Act of 1938; Section 103 of WRDA 1986; Section 1001(20) of WRDA 2007

Location and Description:

The project area is located in the Mississippi River flood plain of Madison County, Illinois, upstream of the city of East St. Louis. An urban design levee, authorized in 1938 and constructed in the 1950s, protects the area. The project includes rehabilitation of 21 miles of levee, replacing 163 of 170 existing relief wells and installing 60 new relief wells as a design deficiency correction under the existing project authorization. The recommended plan to correct deficiencies of underseepage controls identified in the Limited Reevaluation Report includes construction of 94 new relief wells, filling 83 non-functional obsolete relief wells with grout, ditching and pipe collector systems; the addition of two 25 cubic feet per second pump stations; one 20 cubic feet per second pump station; 815 linear feet of seepage berm, 1,010 linear feet of landside clay fill, 2,910 linear feet of slurry trench cutoff wall at the riverside levee toe and to bedrock (140 feet deep), 1,060 linear feet of slurry trench cutoff wall (25 feet deep) at the riverside levee toe, environmental and archeological mitigation work, utility relocations, 9.88 acres flowage easement area, easements for berms, relief wells, slurry trench cutoff wall staging areas and equipment access areas along the levee, disposal areas for material excavated for the slurry trench cutoff walls, and wetland and bottomland hardwood mitigation areas. Additional reconstruction/replacement is proposed for various components of 26 closure structures, 38 gravity drains, and 7 pump stations. The reconstruction portion was authorized by WRDA 2007. These recommended actions are required to maintain the system's authorized level of protection.



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