



**US Army Corps
of Engineers**
St. Louis District

Information Paper Monarch-Chesterfield, MO

Water Resources Development Act (WRDA) 2000, Section 101(b)(18)

Construction (FRM)

Location: The Chesterfield project is located along the right bank of the Missouri River between river miles 46 and 38.5. The existing private levee system is 11.5 miles and protects approximately 4,700 acres from the 1 percent chance of exceedance (100-year event).

Description: During the Great Flood of 1993, the existing levee failed causing flood damages in excess of \$200,000,000. The current assessed value of the valley is \$1.8 billion. The project consists of raising the existing levees on the Missouri River and Bonhomme Creek to provide protection from a 0.2 percent chance of exceedance (500-year event) along with relief wells, a sheet pile cutoff, and berms to control underseepage. Other features include roadways, railroad and roadway closure structures, retaining walls, relocations, pumping stations with gravity structures, and environmental mitigation features.

Status: Watershed 4 Pump Station construction currently ongoing. Project nearing completion, remaining measures to address induced flooding at Metropolitan Sewer District (MSD) lift station, environmental mitigation, and Levee Safety Evaluation Report (LSER) are planned for FY17, along with initiating final project accounting to determine sponsor eligibility for reimbursement to sponsor of approved Section 104 credits subject to the availability of funds.

Importance: The Monarch-Chesterfield Levee protects one of the largest and fastest growing retail shopping and business areas in St. Louis County. On a typical day, there are several hundred thousand people working or shopping in the Chesterfield Valley.

Risk: Remaining work is required to provide authorized protection to the area. If project completion is delayed, the project area remains susceptible to flooding.

Consequence: Because the project area protects a large urban developed area, further flooding could lead to extensive damage to both the natural and human

environment. Failure to complete remaining work would jeopardize the project integrity and benefits.



Watershed 4 Pump Station Construction.

Activities for FY 17: Funds are being used for engineering during construction and construction management for previously awarded Watershed 4 pump station contract and determine floodproofing measures at the MSD Caulks Creek lift station (temporary flowage easement).

Acquisition Strategy: None

Activities after FY 17: Engineering during construction and construction management for previously awarded contracts, mitigation, O&M Manual, MSD floodproofing, and LSER activities.

Project Sponsor/Customer: Monarch-Chesterfield Levee District.

Congressional Interest: Senate: Blunt (MO) and McCaskill (MO) House: Wagner (MO-2).

Phase	FY17 Allocation	FY 18 Budget
Construction	\$50,000	\$0