



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

## Mississippi River between the Ohio and Missouri Rivers (Regulating Works) Dogtooth Bend Phase 6 (Len Small)

Rivers and Harbors Acts of 1910, 1927, and 1930.

# Information Paper

### Construction (Navigation)

**Location:** The Dogtooth Bend Phase 6 (Len Small) Regulating Works Project is located on the Illinois bankline at RM 33.3 in Alexander County Illinois.

**Description:** This project was designed to prevent a channel cutoff from forming, impacting our ability to maintain authorized navigation channel dimensions. Work will include stabilizing the upper & lower ends of the Len Small Levee at the breach, stabilizing the scour hole, and constructing a false bankline or “kicker” structure to allow the natural riverine processes stabilize the reach.

**Status:** Phase 1 repairs included restoring the bankline to maintain authorized channel dimensions. Phase 2 repairs completed June 2017 included scour hole stabilization. Phase 3 repairs were completed in August of 2018 and included placing additional revetments downstream Phase 2 repairs.

**Importance:** The Mississippi River is an artery of commerce critical to the movement of hundreds of millions of tons of essential goods such as corn, grain, coal, petroleum, chemicals, and many other products important to the national economy.

**Risk:** If the area is not stabilized there is concern that the scour hole could increase and a higher probability for a channel cutoff to form.

**Consequence:** Cargo valued at over \$7 billion, including 300 million bushels of agricultural products and 3.8 million tons of coal could experience shipping delays that cause ripple effects and damage local economies up and down the Mississippi and Ohio Rivers.



*Restoration of the Bankline, Len Small*

**Activities for FY 20:** Dogtooth Bend received Geomorphology & Potamology funding in FY19 to assess the potential for additional overbank scour and associated risk for formation of a major river cutoff via numerical modeling. Numerical modeling is scheduled to be completed in the third quarter of FY20.

**Acquisition Strategy:** No contracts to be awarded in FY20.

**Activities after FY 20:** Continue to monitor the site and ensure navigation interests are preserved.

**Project Sponsor/Customer:** This project is 100% federally funded. Stakeholders include river navigation industry, State and Federal conservation agencies, and environmental NGOs.

**Congressional Interest:** Senate: Blunt and McCaskill (MO) and Senators Durbin and Duckworth (IL). House: Bost (IL-12), LaHood, (IL-18), Shimkus (IL-15), Davis (IL-13), Luetkemeyer (MO-3) and Smith (MO-8).

Phase	FY 20 Allocation
Construction	\$0