



US Army Corps  
of Engineers  
St. Louis District

# Information Paper

## MVS PL 84-99 Rehabilitation Assistance

### Flood Control and Coastal Emergencies

**Location:** The St. Louis District provides Flood Control emergency support to 90 levee systems (totaling 750 miles in length) constructed to protect 575,000 acres of economic and agricultural interests within its boundaries. The District's boundaries include 300 miles of the Mississippi River, 80 miles of the Illinois River, 36 miles of the Kaskaskia River, several tributary rivers, and dozens of other small streams.

**Description:** Recent flood events have damaged levee systems within the St. Louis District resulting in a loss of protection. Heavy rains throughout the Midwest in 2015 and again in 2017 caused flooding along the Mississippi, Missouri, Illinois, Meramec, Big Muddy, and Kaskaskia Rivers. From the 2015 Flood Event, 34 levee districts were eligible for Rehabilitation. From the 2017 Flood Event, 11 levee districts sustained either new and/or additional damages. The 2017 Flood Event also delayed repairs on several 2015 rehabilitation projects.

**Issues:** Levee system damages may include breaches, overtopping scour erosion, slides, wave wash/turfing erosion, damage to gravity drains, or any combination of the above. The 2015 Flood Events resulted in eight breached systems. MAY 2017 Flood Event resulted in two breached system, as well as numerous new slides and extensive erosion.

**Importance:** All issues need to be addressed if levees are expected to perform as designed in the next flood event. Damages that reduce the level of protection (i.e. levee breaches) and any other damages that significantly compromise the levee's integrity (i.e. gravity drain repairs, slides) are given the highest priority. All aspects of work related to rehabilitation of damaged FCWs (Flood Control Works) are to be addressed using all available methods of urgency, exigency, and expediency, consistent with providing responsive, cost effective assistance.

**Risk:** Failure to repair or restore the FCW will result in increased flood risk to residential, commercial, industrial, and agricultural properties.

**Consequence:** If no repairs are made under PL 84-99 authority or funding sources, the affected areas would remain unprotected during high water events, as exhibited in the May 2017 high water event. The population and industries would be considered at high risk to life and property.



*Breach and scour at Augusta Bottoms LD; Spring 2017 event*

**Activities for FY 19:** As a result of heavy rains throughout the Midwest in 2015 as well as during the Spring 2017 flood event, numerous levee systems were damaged within the St. Louis District resulting in a loss of protection of varying degrees. Between the flood events, a total of 35 levee districts requested Rehabilitation assistance. One project is complete, 11 projects substantially complete, 3 projects are under construction, 7 projects have been awarded, 9 projects are either in solicitation or design, and 1 project is in the information gathering stage. Three LDs completed their own repairs. Levees were surveyed to determine if they received damages from the MAY 2017 flood event. Damages were then incorporated into 2015 construction contracts as applicable. Augusta Bottoms, breached during the 2017 flood, is currently in the PIR development phase.

**Acquisition Strategy:** Traditionally, PL 84-99 repairs are excellent candidates for small business contractors.

**Project Sponsor/Customer:** Rehabilitation Assistance is limited to Federal and non-Federal FCWs that are in an Active status in the RIP at the time of the storm or flood event and which are damaged by floods.

**Congressional Interest:** Senators Durbin (IL), Duckworth (IL), Blunt (MO), McCaskill (MO), Representatives Bost (IL-12), Davis (IL-13), Shimkus (IL-15), LaHood (IL-18), Luetkemeyer (MO-3), Wagner (MO-2), and Smith (MO-8)

Phase	FY19 Allocation
Flood Repairs	TBD