



# MISSISSIPPI-OHIO RIVER CONFLUENCE UPDATE

US Army Corps  
of Engineers

Illinois, Kentucky, Missouri, Tennessee

Memphis District

September 7, 2012

We have lots of great progress to report in this issue of the Mississippi-Ohio River Confluence Update.

At the Above Cairo Relief Wells, the contractor has finished installing the 28 relief wells called for and the final inspection took place on Aug. 18.

At the end of last month we also awarded the contract for more relief wells at the City of Cairo Floodwall for approximately \$1.5 million. The contractor should be starting work there soon.

At the Birds Point-New Madrid Floodway, work is proceeding on or ahead of schedule. Contractors have begun work on Phase 2 at the upper crevasse. This will bring the levee back to its full grade and width, includes installation of the operating mechanism and restores protection to the 62.5' level on the Cairo gage.

The favorable weather and low river stages have allowed construction crews to make good progress on all work items.

*Jim Pogue, Public Affairs Officer  
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## Above Cairo (Slurry Trench)

In construction

**Award date:** September 2011

**Forecasted completion:** January 2013

On schedule

7,200 linear feet of soil-bentonite will create an impermeable barrier, reducing the risk of seepage underneath the Mississippi River levee. The contractor has begun excavating and backfilling slurry trench, as shown in the photo at right. Contractor has completed 2,100 feet of trench and is approximately 33% complete with the construction contract.



## Above Cairo (Relief wells)

COMPLETED

**Award Date:** September 2011

**Forecasted completion:** August 2012

Contractors completed 28 relief wells which will reduce uncontrolled seepage under the Mississippi River levee north of Cairo. Existing ditches and culverts were improved along roadways to ensure adequate drainage. The final inspection took place on Aug. 18, 2012. Photo shows stone in invert along Rte. 4 Above Cairo relief wells.



## Memphis District—U.S. Army Corps of Engineers

### Birds Point—New Madrid Floodway (Levee Repairs)

In construction

On schedule

Construction began: June 2011      Forecasted completion: Dec. 2012

Crevasse					
Phase	Location	Scope of work	Award	Forecasted Completion	T.O. value
P #1	Upper	Earthwork to 55 feet (full width)	May 30, 2012	September 2012	\$2,438,963
P #1	Center	Earthwork to 55 feet (full width)	July 13, 2012	October 2012	\$1,428,062
P #1	Lower	Earthwork to 55 feet (full width)	Aug. 1, 2012	October 2012	\$710,229
P #2	Upper	Earthwork to 62.5' with operating mechanism	Aug. 14, 2012	December 2012	\$2,254,893

Phase 1 construction operations for the three crevasses are as follows: Upper—Contract is currently 77% complete (Scheduled Progress – 73%). Contractor continues excavation of borrow pit and placement of compacted levee embankment. Approximately 204,000 cubic yards are in place of 245,000 cubic yards. Middle—Contract is currently 65% complete (Scheduled Progress – 61%). Contractor has completed clearing, grubbing, and stripping operations and is currently excavating borrow area and placing fill on the river side of levee to build a footprint for the new alignment. 60,000 cubic yards of compacted impervious fill has been placed. Lower—Notice to Proceed given on Aug. 21, 2012, and contractor has begun clearing, stripping and grubbing of site and building a haul road. Work is 6% complete.



### Island 8 (Relief Wells)

In construction

Forecasted award: July 2012  
Forecasted completion: December 2013

On schedule

112 relief wells will improve the resiliency of a mainline Federal levee protecting 350,000 acres in Kentucky and Tennessee. Contract was awarded on July 31, 2012 for \$4,190,682 to Jerry B. Young Construction, Inc. The preconstruction meeting and notice to proceed given Aug. 31, 2012. Contractor has begun drilling pilot holes.



### Cairo-Mound City (Slurry trench)

In design

Forecasted award: September 2012  
Forecasted completion: December 2013

On schedule

Two landside earthen berms and 4,200 feet of soil-bentonite slurry trench will reduce the risk of seepage underneath the Ohio River levee north of Cairo. Engineering plans are complete and the project is awaiting right-of-way acquisition by the project sponsor.



### City of Cairo Floodwall (Relief wells)

In construction

Forecasted award: August 2012  
Forecasted completion: September 2013

On schedule

30 relief wells will reduce the risk of uncontrolled seepage underneath the floodwall and levee system in Cairo. Construction contract was awarded on Aug. 31, 2012 to Frontier Services for \$1,572,350.

