



# MISSISSIPPI-OHIO RIVER CONFLUENCE UPDATE

US Army Corps of Engineers

Illinois, Kentucky, Missouri, Tennessee

## Memphis District

October 5, 2012

Construction contractors continue to make progress in the Confluence Area.

At the Above Cairo, Ill., Slurry Trench, the contractor continues to mix slurry and backfill the slurry trench. At the City of Cairo, Ill., Relief Wells, we awarded the contract and issued the Notice to Proceed. The contractor will begin mobilization soon. At Island 8, Ky., the contractor is drilling pilot holes and clearing ditches.

At the Birds Point-New Madrid Floodway, work is proceeding on schedule to reconstruct the levee. Phase 1 at the upper crevasse is nearing completion and the contractor has begun stockpiling pipes and material for Phase 2. Phase 1 at the center crevasse is completed and Phase 2 has begun with the prepping of the grounds. The lower crevasse Phase 1 is 50% complete and awaiting Notice to Proceed for Phase 2. All three crevasses have been awarded to reconstruct the levee to full height and install the operating mechanism.

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

*Regina Kuykendoll Cash*  
Project Manager



### 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. He has completed 3,580 feet of trench and is approximately 45% 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

Phase	Location	Scope of work	Award	Forecasted Completion	T.O. value
P #1	Upper	Earthwork to 55 feet (full width)	May 30, 2012	October 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	November 2012	\$710,229
P #2	Upper	Earthwork to 62.5' with op mech	Aug. 14, 2012	December 2012	\$2,254,893
P #2	Center	Earthwork to 62.5' with op mech	Sep. 19, 2012	December 2012	\$2,734,900
P #2	Lower	Earthwork to 62.5' with op mech	Sep. 7, 2012	December 2012	\$1,850,913

Phase 1 construction operations for the three crevasses are as follows: **Upper**—Contract is currently 92% complete. Contractor continues excavation of borrow pit and placement of compacted levee embankment. Approx. 240,000 of 252,000 cubic yards are in place. Phase 2 task order was awarded Aug. 14, 2012. Contractor is preparing levee for installation of pipe on the upstream end and has degraded section down to work point, stockpiled all gravel and levee embankment as per plan. All 4, 8, and 54 inch pipes and equipment are onsite for installation. **Middle**—Phase 1 is 100% complete except for turfing. Phase 2 task order was awarded Sept. 20. Contractor has begun stripping, clearing and grubbing upstream and downstream of project limits. Began hauling, placing and compacting impervious fill from borrow area. Placed approximately 13,000 cubic yards to date. **Lower**—Contract is 49% complete. Contractor has placed 51,000 of required 80,000 cubic yards. Phase 2 task order was awarded Sept. 7. Awaiting Notice to Proceed.



### 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. Notice to Proceed was given on Aug. 31, 2012, and contract is approximately 5% complete. Contractor has drilled 32 pilot holes and begun clearing the site.



### Cairo-Mound City (Slurry trench)

In design

Forecasted award: November 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. Contractor bids were opened on Aug 30, 2012 and are currently being reviewed by the Corps.



### 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. The contractor was given Notice to Proceed on Sep. 27, 2012.

