



US Army Corps  
of Engineers

# MISSISSIPPI-OHIO RIVER CONFLUENCE UPDATE

Illinois, Kentucky, Missouri, Tennessee

## Memphis District

October 19, 2012

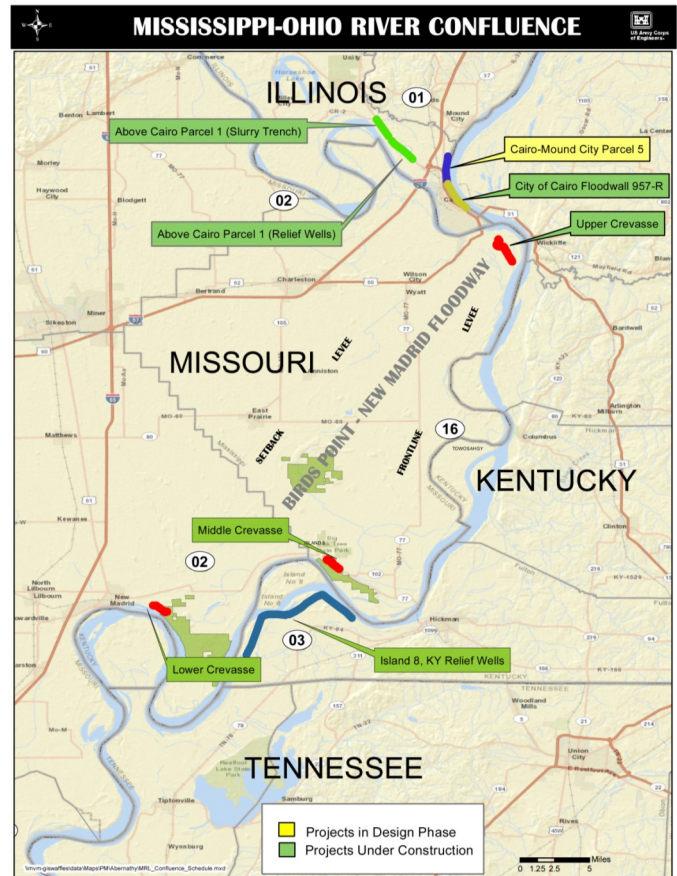
Construction contractors continue to make progress in the Confluence Area.

The construction projects in Cairo, IL and KY are underway. At the Above Cairo, IL., Slurry Trench, the contractor continues to mix slurry and backfill the slurry trench. The contractor has mobilized to the City of Cairo, IL, Relief Wells site and has begun construction. And, at Island 8, KY, the contractor continues with drilling pilot holes and clearing ditches.

The Birds Point-New Madrid Floodway Project continues to be a good news story and work is continuing in the reconstruction of the levee system. Phase 1 of the upper and center crevasses is complete. Phase 2 operations at the upper and center crevasses are underway with installation of the pipe system and placement of the levee embankment. Phase 1 of the lower crevasse is nearing completion and awaiting Notice to Proceed for Phase 2.

The projected weather forecast is predicting minimal precipitation, favorable weather and low river stages which will continue to allow the construction crews to make good progress on all the 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. Contractor has completed 3,880 feet of trench and is approximately 48% 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

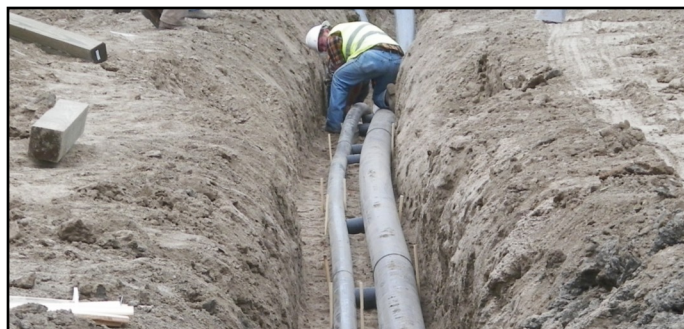
On schedule

Construction began: June 2011

Forecasted completion: Dec. 2012

Phase	Crevasse Location	Scope of work	Award	Forecasted Completion	T.O. value
P #1	Upper	Earthwork to 55 feet (full width)	May 30, 2012	Sep. 28, 2012	\$2,438,963
P #1	Center	Earthwork to 55 feet (full width)	July 13, 2012	Sep. 25, 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 96% complete. 100% of levee embankment in place. Contractor grading levee slopes and crown. Phase 2—Contractor has all 4, 8, and 54 inch pipes and equipment onsite for installation. Contractor is currently performing pipe installation operations. **Middle**—Phase 1 is 100% complete except for turfing. Phase 2— Contractor is performing pipe installation operations and embankment placement for the 4700 ft of non-detonated levee. Contractor is using cut/fill with the existing material on the alignment to reach the pipe grade. Contractor has placed approximately 30,000 cubic yards of impervious fill to date. **Lower**—Contract is 80% complete. Contractor has placed 70,000 of required 80,000 cubic yards. Phase 2 task order 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. Notice to Proceed was given on Aug. 31, 2012, and the contract is approximately 8% complete. Contractor has drilled 46 pilot holes and begun clearing the site.



### Cairo-Mound City (Slurry trench)

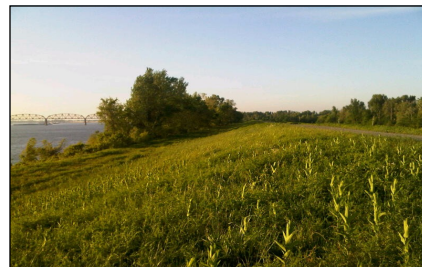
In design

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. The contractor was given Notice to Proceed on Sep. 27, 2012 and the contract is approximately 7% complete. Contractor has installed the piezometers and begun installing surface casings.

