



US Army Corps
of Engineers

MISSISSIPPI-OHIO RIVER CONFLUENCE UPDATE

Illinois, Kentucky, Missouri, Tennessee

Memphis District

September 21, 2012

We have lots of great progress to report in this issue of the Mississippi-Ohio River Confluence Update. The construction of the Above Cairo, Illinois, Relief Wells project was completed on Aug. 18, 2012.

We awarded the City of Cairo, Illinois, Relief Wells project on Aug. 31, 2012 to Frontier Services, Inc. The pre-construction conference will be held on Sept. 27, 2012 and the notice to proceed will likely be issued.

At the Birds Point-New Madrid Floodway, work is proceeding on or ahead of schedule to reconstruct the levee to an interim height of 55' and full width. Phase 1 at the upper and center crevasses are nearing completion, with Phase 1 at the lower crevasse to be completed no later than November 2012. Phase 2 for all three crevasses have been awarded to reconstruct the levee to full height and install the operating mechanism. This will restore the protection to the 62.5' level on the Cairo gage.

The favorable weather and low river stages continue to allow construction crews to make favorable 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 2,600 feet of trench and is approximately 40% 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	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 85% complete (scheduled progress – 82%). Contractor continues excavation of borrow pit and placement of compacted levee embankment. Approx. 215,000 of 252,000 cubic yards are in place. Phase 2 task order was awarded Aug. 14, 2012. The draft plan of the pipe installation is under review. **Middle**—Contract is currently 93% complete (Scheduled Progress – 90%). Contractor has placed 84,750 of 86,000 cubic yards on new levee alignment and scour area landside and riverside of existing levee. Contractor has placed 3,300 tons of filter material and 9,550 tons of rip-rap to date. Phase 2 task order was awarded Sept. 20. **Lower**—Contract is 43% complete (scheduled 50%), rain delay at beginning of week. Contractor has placed 40,000 of required 80,000 cubic yards. Phase 2 task order was awarded Sept. 7. Contractor programs have been requested.



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 4% complete. Contractor has drilled 17 pilot holes and begun clearing the site.



Cairo-Mound City (Slurry trench)

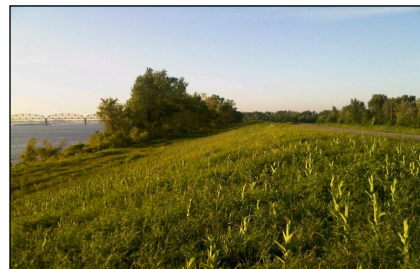
In design

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 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. Preconstruction meeting and notice to proceed are anticipated on Sep. 27, 2012.

