



US Army Corps
of Engineers

MISSISSIPPI-OHIO RIVER CONFLUENCE UPDATE

Illinois, Kentucky, Missouri, Tennessee

Memphis District

December 21, 2012

As we enter into the Holiday season, the construction projects in Cairo, IL, and Fulton County, KY continue. The excavation and backfilling at the Above Cairo, IL, Slurry Trench is complete, with work continuing with the placement of the semi-compacted fill on the riverside slope as weather permits. All 30 relief wells (RW) for the City of Cairo, IL, RW project have been drilled and installed. The Cairo-Mound City Slurry Trench contract has been awarded and is in the non-work period. And at Island 8, KY, the contractor has drilled 110 of the 112 pilot holes.

Work continues to progress on the Birds Point-New Madrid Floodway Project with the reconstruction of the levee system. Phase 1 of all crevasses is complete. Phase 2 at the upper crevasse continues with installation of the pipe system, access wells and placement of the levee embankment. Phase 2 at the center crevasse continues with the construction of the berm and placement of the aggregate for the levee surface and county road on the berm. And, Phase 2 of the lower crevasse continues with the placement of the levee embankment.

Regina Kuykendoll Cash - Project Manager



Above Cairo (Slurry Trench)

In construction

Awarded: 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 completed excavating and backfilling the slurry trench and is backfilling work platforms. Contractor is approximately 94% complete with the construction contract.



Above Cairo (Relief wells)

COMPLETED

Awarded: September 2011

Completion Date: 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	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	Nov. 1, 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 complete except for turfing: **Upper**— Phase 2—Contract is 75% complete. Contractor has excavated, installed pipe and backfilled 10 of 11 pipe sections. Contractor has placed approximately 99,000 cubic yards of levee embankment and placed 21 of 22 access wells. **Middle** — Phase 2 — Contract is substantially complete (levee to 62.5 ft and operating mechanism installed). Contractor has completed layout of the landside berm and will continue construction and placing aggregate for the levee surface and county road on berm. **Lower**— Phase 2 - Contractor excavating borrow and placing and compacting fill on levee to a height of 58-59 feet on the Cairo gage. All landside and riverside pipes are fused. Two-thirds of the centerline pipes are fused. Pipe installation to begin next week.



Island 8 (Relief Wells)

In construction

Awarded: 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 30% complete. Contractor has drilled 110 pilot holes and begun clearing the site and excavating the ditches, as shown in the picture to the right.



Cairo-Mound City (Slurry trench)

In construction

Awarded: October 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. Contract was awarded on Oct. 19, 2012, and the preconstruction meeting and Notice to Proceed occurred on Dec. 6, 2012. Contract is in non-work period.



City of Cairo Floodwall (Relief wells)

In construction

Awarded: 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 Sept. 27, 2012 and the contractor is approximately 69% complete with construction. Contractor has installed all the relief wells.

