MISSISSIPPI-OHIO RIVER CONFLUENCE UPDATE

Illinois, Kentucky, Missouri, Tennessee

US Army Corps of Engineers

Memphis District **January 4, 2013**

As we begin the new year, the construction projects in Cairo, Illinois, and Fulton County, Kentucky, are resuming after the holiday break.

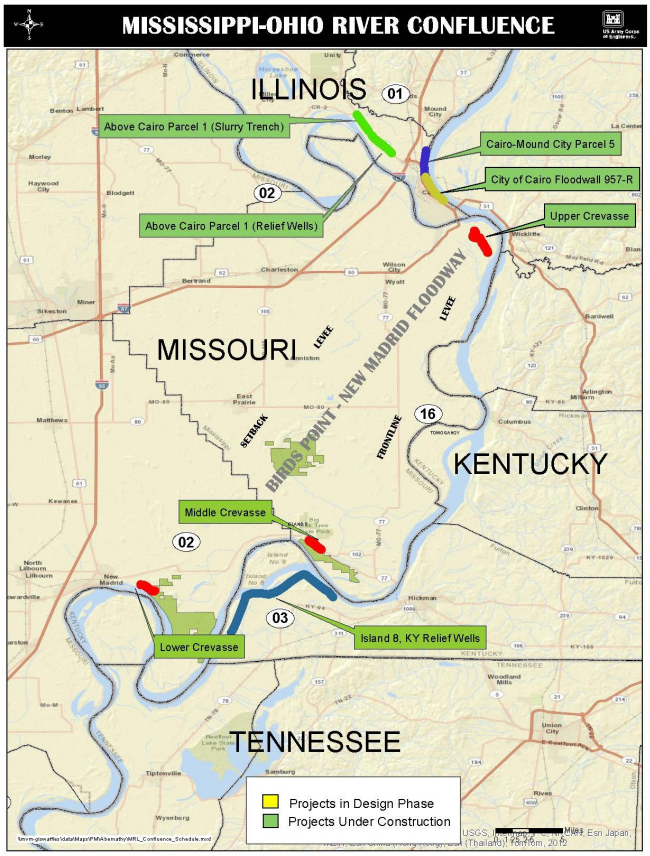
The excavation and backfilling at the Above Cairo, Illinois, Slurry Trench is complete with work continuing with the placement of the semi-compacted fill on the riverside slope as weather permits.

All 30 relief wells for the City of Cairo, Illinois, Relief Wells 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, Kentucky, the contractor has drilled all of the 112 pilot holes.

Work continues to progress on the Birds Point-New Madrid Floodway Project with reconstruction of the levee system. More details on this project can be found on the second page of this update newsletter.



Above Cairo (Slurry Trench)

In construction

On schedule

Awarded: September 2011
Forecasted completion: January 2013

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.

District Commander: Col. Vernie Reichling • Acting Area Engineer: Jack Ratliff • Deputy for Project Management: James A. Bodron, P.E.
Follow us on Facebook: http://www.facebook.com/MemphisUSACE • Follow us on Twitter: @MemphisDistrict
Point of contact for this paper is the Public Affairs Office at 901.544.3005 or MemphisPAO@usace.army.mil
U.S. Army Corps of Engineers - Memphis District, 167 N Main St. B202, Memphis, TN 38103

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:** Upper: Jan. 8. Middle: completed.

As of Jan. 4, 2013, the Birds Point-New Madrid Floodway Center Crevasse has been restored to full operational status. The Upper Crevasse will be restored to authorized elevation by Jan. 8, 2013. The front line levee provides a level of protection equivalent to 62.5' on the Cairo, Illinois, gage, and can be operated to provide relief to the regional flood risk reduction system in the event of flooding higher than that level. Construction at the Lower Crevasse is now scheduled for completion within the next few months.

Contractors install pipes as part of the operating system for the Floodway levee. This is one of the final steps leading to the full restoration of the frontline levee.

Island 8 (Relief Wells)

In construction | **On schedule**

Awarded: July 2012
Forecasted completion: December 2013

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 all of the 112 pilot holes and has begun clearing the site and excavating the ditches, as shown in the picture to the right.

Cairo-Mound City (Slurry trench)

In construction | **On schedule**

Awarded: October 2012
Forecasted completion: December 2013

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 | **On schedule**

Awarded: August 2012
Forecasted completion: September 2013

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.