



**US Army Corps  
of Engineers**®

St. Louis District

## **Missouri Levees Status**

As of 21 November 2007

### **St. Louis Flood Protection Project**

Authorized level of protection: 500 year

Length: 10.67 miles

Protects: 3,160 acres of industrial and commercial development, and residential areas

Concern: Inadequate seepage controls and deteriorated metal closure gates

Solution:

- Replace swing gates at 20 closure structures and permanently close openings at 13 closure structures
- Install 70 new relief wells, replace 103 existing relief wells

Status:

- Nearing completion of preconstruction engineering and design
- City of St. Louis has its cost share
- Require Construction General funds to begin relief wells and closure structures construction

### **Cape Girardeau Flood Protection Project (North Main Street Levee District and Main Street Levee)**

Authorized level of protection: 500 year

Length: 1.56 miles

Protects: 140 acres of industrial and commercial development; 3,000 residents

Concern: Deteriorated retaining wall riverside of floodwall, aged pump stations, floodwall joint and foundation problems

Solution:

- Construction of rock berm to stabilize existing retaining wall
- Reconstruction work for pump stations and floodwall.

Status:

- Engineering Documentation Report (EDR) requires approval by Headquarters (received) and Assistant Secretary of Army for Civil Works (currently in that office for approval)
- Project Cooperation Agreement (PCA) requires approved EDR and PCA is required before construction can begin
- Not in President's FY08 Budget
- City of Cape Girardeau is in the process of assuming project sponsorship from two existing levee districts
- Revised operating plan to address underseepage concerns to meet 100 year flood accreditation for FEMA

## **Monarch Chesterfield Levee District**

Authorized level of protection: 500 year

Length: 11.5 miles

Protects: 4,240 acres; \$660 million in economic value

Concern: Ensure levee provides 500 year level of protection

Project:

- Levee raise, installation of relief wells and sheet pile cutoff, and construction of berms

Status:

- Project Cooperation Agreement being executed between Corps and sponsor
- Army Corps initial construction contract expected to be Baxter Road closure structure
- Sponsor-constructed levee raise completed
- Sponsor constructing berm to address underseepage issue along 7,500 feet of levee
- Not in President's FY08 Budget

## **Festus/Crystal City Levee**

Authorized level of protection: 500 year

Length: 0.7 miles

Protects: 200 acres; newly-expanded sewage treatment plant, residential and business area, and main thoroughfares

Concern: Rock slide along Platin Creek caused by foundation deficiency. If not repaired, there is risk of failure during times of significant flooding

Solution:

- Under investigation

Status:

- WRDA 2007 authorized increase to Federal funding limit and allows for design and construction of solution for rock slide along Platin Creek
- Due to rock slide, project does not meet criteria for 100 year flood accreditation for FEMA
- Since it has not been transferred to sponsor, the levee is not eligible for FEMA re-mapping or for exemption from flood insurance requirement
- Project will not be closed out and turned over to sponsor until design deficiency is corrected

## **City of Ste. Genevieve (Levee operated and maintained by Ste. Genevieve County Levee District No. 3)**

Authorized level of protection: 500 year

Length: 3.5 miles

Protects: 400 acres, National Historic Landmark District in City of Ste. Genevieve

Concern: Interior flooding along North and South Gabouri Creeks

Solution:

- Under investigation

Status:

- Mississippi River 500-year levee completed and turned over to sponsor
- Levee and pump station operation & maintenance manuals and as-built drawings completed
- Working to financially close out levee component of project
- Investigating structural and non-structural solutions to interior flooding
- Not in President's FY08 Budget

## **Valley Park Drainage and Levee District**

Authorized level of protection: 100 year

Length: 3.2 miles

Protects: 365 acres, floodplain area in City of Valley Park

Concern: Repeated flooding by Meramec River

Solution:

- Construct levee authorized to protect against 100 year flood event

Status:

- Functional portion of levee completed and turned over to city
- Completed draft O&M manual and as-built drawings
- Based on Corps submittals, FEMA revised flood insurance rate maps in area protected by levee
- Corps seeking FEMA revision of Meramec River floodway maps
- Corps evaluating the potential to include parts of the city's new recreation plan as cost-shared component of the Valley Park project
- Not in President's FY08 budget

## **Bois Brule**

Authorized level of protection: 50 year

Length: 33.5 miles

Protects: 26,060 acres of prime farmland, a major highway, and an airport

Concern: Underseepage and levee grading

Solution:

- Installation of 297 relief wells, seepage berms, a seepage cutoff trench, ditching improvements, three additional pump stations, and restoration of the elevation 4.2 miles of the back levee

Status:

- 87 relief wells have been constructed
- Notice to proceed has been issued for construction of the seepage cutoff trench and part of a seepage berm
- Continuing to work with sponsor on land acquisition for seepage berms, ditches, and pump stations
- Not in President's FY08 Budget