

# PL84-99 MVR STATUS OF LEVEE SYSTEM REPAIRS

Program Manager: Scott Whitney    Technical Manager: Heather Anderson

LAST UPDATE: 15 Mar 2010

	MVR PL84-99 LEVEE DISTRICTS	REPAIR STATUS			State	Design LOP (yr) event	Fed/ Non Fed
		BREACHES	PUMP STATIONS	WAVE-WASH & OTHER LEVEE REPAIRS			
A.	Project Implementation Reports (Decision documents)	<b>COMPLETED:</b> A total of 40 requests for PL84-99 assistance were received by Rock Island District as a result of the June 2008 Midwestern Flood event. Damage assessment teams were sent out shortly after the flood event to prepare preliminary damage assessments and cost estimates. From these assessments 25 of the 40 were determined to have damages in excess of the \$15,000 threshold and proceeded to the Project Implementation Report (PIR) stage. The PIR report is a decision document characterizing the project features, repair strategies and preliminary cost estimate. These reports were reviewed for technical accuracy by Independent Technical Review teams.			IL, IA, MO		
B.	Green Island/Roger Tarr Levee District	<b>COMPLETED.</b> Taylor Construction was the prime contractor. All work completed onsite. Final inspection completed. Closeout of project is under way. STATS: - 1 breach, restored level of protection by Dec 2008 - 2,189 cu yds of clay borrow material, 40 linear feet	NA	<b>COMPLETED</b> in conjunction with breach repair.	IA	10	NF
C.	Two Rivers Drainage District (includes Iowa Flint Creek Levee District No. 16)	<b>COMPLETED:</b> There were two breaches, one on the Iowa River that was caused from the June 2008 flooding event and one on the Mississippi River created to let the flood waters out. A temporary levee was completed in August 2008 to provide the required level of protection for Oakville and Two Rivers Levee and Drainage District from Iowa River flooding until a permanent setback levee is complete. The Mississippi River breach repair was completed by USACE hired labor dredge in November 2008. Matrix Environmental Inc. was the prime contractor for wavewash and setback levee repairs. Contractor completed permanent setback levee in early Feb 2010. Tree plantings for mitigation will be performed in May 2010.	<b>NEARLY COMPLETE:</b> Two pump stations were inundated due to the June 2008 flooding event. Repair work is being completed under two contracts, an initial repair contract and a final repair contract. The initial repair contract began in Sept 2008 and was completed in Dec 2008. The final repair contract period is from 2-3-09 to 10-31-09. There are 4 major items of work under the final pump station repair contract. (a) Repairing the one electric pump at PS #2: Completed. (b) Repairing the two electric pumps at PS #4: Completed. (c) Repairing the diesel pump at PS #4: Pump is currently operational awaiting some backorder parts. (d) Misc repairs to both PS buildings: Complete.	<b>COMPLETE:</b> Huron Chute: Dredging commenced 30 June 2009 with minor grading completed in early April 2010. Huron Chute is currently 99% complete with minor dress up area remaining.  Blackhawk Chute: Contractor is preparing to mobilize to Blackhawk Chute where work is scheduled to start on 31 October 2009. Coordination with adjacent property owners was conducted on 16 and 25 October 2009. Contractor is currently on schedule for completion of work in next 30 days.	IA	100	F
D.	Henderson County Drainage District No. 1	<b>COMPLETED</b> STATS: - 1 breach, restored level of protection by November 30, 2008 - 100,000 cu yds of dredged sand	NA	<b>NEARLY COMPLETE:</b> Contract awarded to Matteson and repair work is currently underway. Levee reshaping and riprap is 90% complete. Levee reshaping was completed on 9 March and final riprap near railroad bridge expected to be complete by 30 March.	IL	50	F
E.	Henderson County Drainage District No. 2	<b>COMPLETED</b> STATS: - 1 breach, restored level of protection by December 6, 2008 - 270,000 cu yds of dredged sand	<b>COMPLETED:</b> the final two 50K gpm electric motors were returned to service on 10 February 2010 and completed all quality assurance testing by 14 February.	NA	IL	50	F
F.	Bay Island Drainage District	NA	<b>UNDERWAY:</b> Minor damage to pump station water return pipe and levee retaining wall will be repaired. Contract awarded in early Feb 2010 with Contractor onsite in early March 2010.	<b>UNDERWAY:</b> Moderate damages to levee from erosion, will be installing rock riprap to help armor the sand levee. Contract awarded in early February and contract onsite in early March 2010.	IL	50	F
G.	Louisa County Levee District No. 11	<b>UNDERWAY:</b> Contractor ceased dredging on 11 December due to unsafe river and ice conditions. Ice remained across 90% of main channel of Iowa River until 7 March followed immediately by rising flood waters. Based on flood forecast that was likely to overtop the temporary berm and wash away significant amount of repair work, contractor was remobilized to the site with two bulldozers on 11 March 2010 to push up additional 3.5 ft of protection with dredged sand deposited in Dec. By morning of 12 March a level of protection equivalent to 26.5 ft (Wapello Gage) was established. Current flood forecast shows a gradual leveling of the rise that will continue through 24 March, reaching a level of 25.3 ft. Corps personell and contractor will continue to monitor the site daily to ensure temporary levee continues to hold back flood water. Dredging expects to resume when water levels return below 17 ft, which currently looks like 29-31 March. Approximately 3 weeks of work remain to complete both breach and wave wash repairs.	NA	<b>UNDERWAY:</b> Minor damages, will be repaired in conjunction with breach repair contract.	IA	10	NF
H.	Green Bay Levee District No. 2	NA	NA	<b>NEARLY COMPLETE:</b> Repair Contract Minor sloughing of land side of levee due to seepage, a drain system will be installed to fix problem. NTP acknowledged 11 Dec 09. Anticipated completion 30 Mar 10	IA	50	F
J.	Gregory Drainage District	<b>COMPLETED.</b> STATS: - 8 breaches, restored level of protection by March 6, 2008 - Upper breaches (3) 425,000 cu yds of dredged sand xx lin ft - Lower breaches (5) 230K cu yds of dredged sand; 3700 lin ft	<b>COMPLETED.</b> All pumps have been restored to full pumping capacity. Temporary pumping was provided during pump station repairs to facilitate repairs. Temporary pumps were demobilized from the site in early Aug.	<b>NEARLY COMPLETE:</b> Dredge Stockpiling completed at this site. Contract for reconstructing the railroad closure at the Fox River was awarded to Sunflower Enterprises on 24 Sept 09. On site railroad closure work 80% complete. Substantial wave-wash along entire main stem and Fox River Segments (8 miles). Levee wave wash repairs underway.	MO	50	F
Ka.	Hunt	NA (hydraulically connected to Lima Lake DD)	<b>COMPLETED.</b> All pumps have been temporarily restored to full pumping capacity. New right angle gear drives are being built by manufacturer and scheduled to be delivered and installed by Feb 2010. Right angle gear drives have permanent gears installed. One pump is complete and the second pump is on hold for drainage district repairs to the engine clutch. Temporary pumping was provided during pump station repairs to facilitate repairs. Temporary pumps were demobilized from the site in early May.	<b>UNDERWAY:</b> Contract was awarded to Bleigh Construction on 28 Oct. Work, including sand and clay levee repairs, stone protection, seeding, and road repairs, has commenced and is scheduled to be completed in summer 2010. Will utilize sand already onsite along with some hauled in from Indian Grave stockpile, Gregory stockpile, or Lima Lake stockpile. Repairs are underway.	IL	50	F

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Kb.	Lima Lake	COMPLETED. STATS: - 2 breaches, restored level of protection by March 2009 - approx.230,000 cu yds of dredged sand, 15,000 TN stone protection	COMPLETED. All pumps have been restored to full pumping capacity. Temporary pumping was provided during pump station repairs to facilitate repairs. Temporary pumps were demobilized from the site in late July.	UNDERWAY: Contract was awarded to Bleigh Construction on 28 Oct. Work, including sand and clay levee repairs, stone protection, seeding, and road repairs, has commenced and is scheduled to be completed in summer 2010. Will utilize sand already onsite along with some hauled in from Indian Grave stockpile, Gregory stockpile, or Lima Lake stockpile. Ripraps are underway and riprap is at 40%.	IL	50	F
L.	Indian Grave Drainage District	COMPLETED. STATS: - 4 breaches, restored level of protection by April 16, 1009 - 334,000cu yds of dredged sand	COMPLETED: All three of the 60K gal/min diesel engines/pumps have returned to service. <b>One engine available as needed due to temporary air intake.</b> Temporary pumping was provided during pump station repairs to facilitate repairs. All temporary pumps were demobilized by late Fall 2009.	COMPLETED: Final inspection was conducted 6 Oct 09.	IL	50	F
M.	Union Township Levee (LaGrange)	COMPLETED. STATS: - 4 breaches restored level of protection by Dec 24, 2008 - 220K cu yds of dredged sand, 5000 linear feet	NEARLY COMPLETE: Partial pumping capacity (64%) restored. Additional warranty repairs are needed on a repaired pump. Third and final pump assessment still required. The repair scheduled will be determined by the assessment.	COMPLETED: All stockpiling of dredged sand has been completed at Union Township. Sponsor will be responsible for transport and shaping of dredged sand for actual wave wash repairs as part of their Work-in-Kind cost share credit.	MO	100	NF
N.	Fabius River Drainage District	NA	NA	UNDERWAY: Dredging of stockpile sand is complete. Separate contract to reshape the levee was awarded in late Dec and are underway. A variation in quantity will require a contract extension.	MO	50	F
O.	Sny Island Levee and Drainage District	NA	NA	PENDING: Completing P&S for repairs in Reach I and Reach IV. Completion of ITR 28 Feb 2010. Bids solicitation March 2010. Contract Award 30 April 2010. Site visit with Col McGinley on 28 Jan to view and discuss additional levee erosion repairs. Requested letter from sponsor clarifying the areas for erosion repair.	IL	100	F
P.	Mississippi and Fox Drainage Districts	COMPLETED. STATS: - 5 breaches, restored level of protection by January 7, 2009 - 125,000 cu yds on site borrow	NA	COMPLETED in conjunction with breach repair.	MO	5	NF
Q.	South River Drainage District	NA	NA	COMPLETED. The South River levee slope repair project (W912EK-09-C-0079) is a \$73,500 contract to repair slough damage to the mainstem levee along the Mississippi River. B.R.S. Construction from Edina, Missouri was awarded the contract on 26 May 2009. The repair work was completed on 6 July 2009 with the final inspection completed on 10 July 2009.	MO	50	F
R.	Waterloo, IA LFPP	NA	NA	NEARLY COMPLETED. The Waterloo LFPP repair work is being done under two contracts. One contract (W912EK-09-C-0054) is for repairing riprap loss and levee erosion. A second contract (W912EK-09-C-0055) is for removing silt accumulation from a pump station outfall channel and a bypass channel along the Cedar River and for extending a pump station sewer outlet. Both contracts were awarded to Peterson Contractors Inc. from Reinbeck, Iowa. The riprap loss contract is a \$306,500 contract that began on 3-24-09 and was complete on 5-26-09. The accumulation removal contract is a \$398,750 contract that began on 3-27-09 and is to be completed by 9-15-09. Plans & Specs for a panel are underway. This supply contract will be advertised by 30 March 2010.	IA	100	F
S.	Marshalltown, IA LFPP	NA	NA	COMPLETED. The Marshalltown Levee Repair Contract (W912EK-09-C-0074) is a \$179,400 contract to repair wave-wash damages to the Marshalltown Levee along the Iowa River. Peterson Contractors Inc. from Reinbeck, Iowa was awarded the contract on 14 May. Construction work on the levee was completed on 01 Sep 09. After the final inspection, repair limits to the bike path damages caused by the construction activities were determined and the repairs to the bike path were completed on 3 Nov 09.	IA	100	F
T.	DesMoines, IA LFPP	NA	NA	UNDERWAY. Corell Contractor, Inc. was the prime contractor. All work was completed on 6 May 2009. A final inspection was performed on 6 May 2009 with representation from the City of Des Moines and the Corps present. Contractor is furnishing the seed to the city. Closeout of project is under way.	IA	100	F
U.	Evansdale, IA	NA	NA	COMPLETED. The Evansdale LFPP repair work is for repairing riprap loss and levee erosion. The repair work was combined with the Waterloo LFPP repair work. See above.	IA	100	F
V.	Ottumwa Levee Rehab	NA	COMPLETED by City for (Work-In-Kind). The Flygt 135hp electric pump owned by the City of Ottumwa was damaged by debris during the 2008 high water event.	COMPLETED. Ottumwa Levee Repairs Contract (W912EK-09-C-0019) was physically complete as of 6 May, 2009 with the final contract amount of \$89,112.49. Notice to Proceed was issued to White Oak Contracting on 13 January, 2009. Final inspection was completed on 29 April, 2009. The contract repaired a surface runoff drainage pump and six different areas of the levee damaged by the 2008 flooding. Federal cost- \$108,579.64 (80%) and Non-Federal cost - \$27,144.91 (20%). The O&M manual was completed by 9 October. Project closeout COMPLETED.	IA	100	NF

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W.	Canton, MO LFPP	NA	NA	COMPLETED. The Canton Local Flood Protection Project repair contract (W912EK-09-C-0024) is a \$114,600 contract to repair structural damage to the local flood protection system. Klocke, Inc. from Ewing, MO was awarded the contract on 22 January 2009. The work was completed on 29 June 2009. O&M Manual review began 27 Jan 2010.	MO	100	F
X.	Keokuk Levee Rehab	NA	NA	PENDING: Repairs consist of moderate wavewash repairs. Contract is currently out for solicitation of bids. Expect advertisement of contract anticipated to start on 15 April with Notice to proceed by 21 June and completion by 20 Jul.	IA	200	NF
Y.	Cascade Levee	NA	NA	COMPLETED. Received PIR MVD approval 19 Nov. Bids were received by 12 Dec. The first cost share check received from City for \$24,886.89 on 4 Dec and cleared by Millington on 23 Dec. CA signed on 4 Dec. Low bid was over government estimate so an additional check from City for \$4,545.50 was received on 6 Jan and cleared by Millington on 15 Jan. Contract awarded on 16 Jan to Top Grade Excavating for \$Received PIR MVD approval 19 Nov. Bids were received by 12 Dec. The first cost share check cleared by Millington on 23 Dec. Low bid was over government estimate so an additional check from City and processed thru Millington was needed. Received clearance on second check on 15 Jan. Contract awarded on 16 Jan to Top Grade Excavating for \$138,832. Precon held 27 Jan. Work completed on 19 Feb. Final inspection was 20 Feb. POC is Larry Melaas, EC-DM, Ph. 309-794-5323. Precon held 27 Jan. Work completed on 19 Feb. Final inspection was 20 Feb. O&M Manual is 90% complete. POC is Larry Melaas, EC-DM, Ph. 309-794-5323.	IA		NF
Z.	Elkader, IA	NA	NA	COMPLETED. PIR approved on 11 Dec. Plans and Specs complete on 18 Dec. ITR/BCOE complete and comments incorporated. CA signed on 22 Dec. Bid solicitation was 29 Dec. Bid opening on 8 Jan. Contract was awarded to CJ Moyna and Sons for \$63,075 on 13 Jan. Preconstruction meeting held 23 Jan. Work was completed on 20 Feb. Final inspection was 20 Feb. City performed cost-share work estimated at \$19,754 which far exceeded their cost share. This work was completed in April/May 2009. O&M Manual is 90% complete. POC is Larry Melaas, EC-DM, Ph. 309-794-5323.	IA		NF
Z1.	Burlington Northern Bottoms, IA	NA	NA	COMPLETED Suffered levee erosion damages from storm events in September and December of 2008. Repair contract awarded to Fye Excavating on 19 Sept 2009. Work was completed by 15 Dec 2009.	IA	200	F
Z2.	Spoon River, IL	UNDERWAY: The levee repair contract was awarded on 2 December 2009. The Contractor was able to make significant progress through 24 December and closed the breach to a low level of protection. After receiving heavy rainfall over already frozen ground, the Spoon River rose rapidly and overtopped the berm, which caused the northern half of the levee district to flood. Due to the high water and frozen ground conditions, the Contractor ceased construction. The river levels dropped, but then reflooded the northern half of the levee district again on 24 January 2010. The Contractor will resume work as soon as water levels and borrow areas are suitable.	NA	NA	IL	5	NF