



Buffalo Bayou and Tributaries, TX

U.S. ARMY CORPS OF ENGINEERS

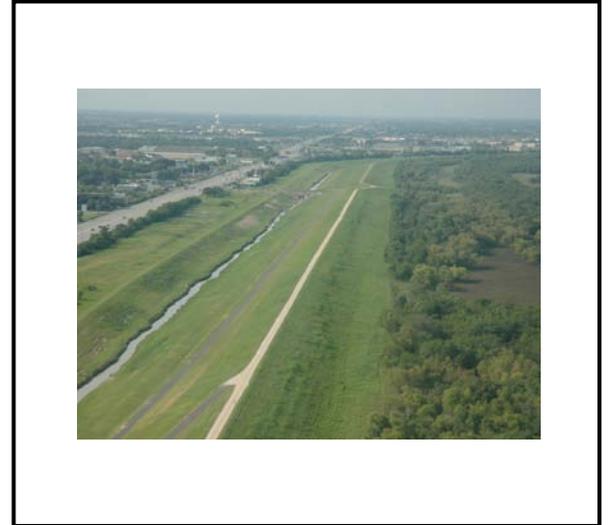
BUILDING STRONG[®]

FACT SHEET as of February 21, 2012

AUTHORIZATION: House Document 456, 75th Congress, 2nd Session 1938 and modified by the 1954 Flood Control Act.

TYPE OF PROJECT: Flood Risk Management

PROJECT PHASE: O&M



CONGRESSIONAL INTEREST: Senators Hutchison and Cornyn (TX), Representatives Culberson (TX-7), A. Green (TX-9), Jackson-Lee (TX-18), Olson (TX-22), G. Green (TX-29), Edwards (TX-17), and Poe (TX-2)

NON-FEDERAL SPONSOR: Fort Bend County Flood Control District (Stake Holder), Harris County Flood Control District (Stake Holder), City of Houston (Stake Holder)

BACKGROUND: The project is located on Buffalo Bayou and Mayde Creek on the west side of the City of Houston, in Harris and Fort Bend Counties, Texas. Addicks Dam and Reservoir is an earthen dam 61,166 feet long and 48.5 feet above the Mayde Creek streambed with a storage capacity of 200,840 acre-feet. Barker Dam and Reservoir is an earthen dam 71,960 feet long and 36.5 feet above the Buffalo Bayou streambed with a storage capacity of 209,000 acre-feet. These reservoirs are designed to reduce flooding in the City of Houston.

Both dams were screened by the National Dam Safety Cadre and were reclassified as the highest risk category due to their location on the west side of the City of Houston, TX and the high population at risk if a dam failure occurred.

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STATUS: FY 11 activities included completion of Addicks and Barker Dams Conduit Monitoring and Replace Gate project awarded with regular and Interim Risk Reduction Measures (IRRM) funds in FY10 and construction is ongoing into FY12. Also, completion of the replacement of the Flex Base Material on top of Dam/Vehicle barrier fencing Phase I.

ISSUES: Without additional funding, contracts to repair erosion along the remaining sections of Clodine ditch, which runs along the toe of Barker Dam and empties into Buffalo Bayou, will not be awarded. If not repaired, erosion of the toe will continue creating the potential for undermining of the earthen dam and elevates the risk to the downstream highly developed urban areas.

FINANCIAL SUMMARY (\$):

	<u>O&M</u>
Federal Cost Estimate	N/A
Non-Federal Cost Estimate	N/A
Total Project Cost	N/A
Allocation for FY 2010	\$5,472,000
ARRA Funding	0
Allocation for FY 2011	3,431,000
Allocation for FY 2012	3,598,000
President Budget FY 2013	2,862,000
Amount That Could Be Used for FY 2013	16,194,000
Balance to Complete	N/A

SCHEDULE:

FY 2012 Scheduled Work: FY12 activities include Operations and Maintenance at Buffalo Bayou and Tributaries, replacement of Flex Base Material on top of Dam/Vehicle barrier fencing Phase II, Extending flood damage curves from the dams to Shepherd Dr., update hydraulic and hydrology data, , update hydraulic and hydrology sediment studies, perform periodic assessments, perform a dam safety emergency training exercise, and finish dam safety annual instrumentation reports.

FY 2013 Budget: FY 13 activities will include Operations and Maintenance at Buffalo Bayou and Tributaries (\$2,112,000); perform routine project maintenance (\$300,000); perform service contracts for repairs (\$30,000); perform general project maintenance (\$100,000); perform dam safety contract work –clean Piezometers (\$100,000); perform dam safety contract work to survey structures (\$120,000), and update the Reservoir Regulation Emergency Operation Manual (\$100,000) . Additional funding will also allow for Interim Risk Reduction Measures Emergency communications (\$240,000), Clodine Ditch Phase 2 repairs (\$2,666,000), Clodine Ditch Phase 3 repairs (\$5,426,000) and Clodine Ditch Phase 4 repairs(\$5,000,000).

COMPLETION: N/A

For more information regarding the Buffalo Bayou and Tributaries, TX project, contact Mr. Pete Perez, P.E., Deputy District Engineer, Chief, Programs and Project Management Division at 409-766-3018 or Pete.G.Perez@usace.army.mil.

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