

Project Factsheet for: Lock & Dam 19, Mississippi River, Iowa (Rehabilitation and Major Maintenance)

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Project Location Information

Location: Keokuk, Iowa
River Basin(s): Mississippi
State(s): IA
Congressional District(s): IA-2

Status

The Stage I work, upper gates repair, was awarded in late FY2006. Closure was scheduled for December 2007 through March 2008 and re-opened on time. Work on the upper gates includes machinery replacement, hydraulic replacement and gate track repair. The contract was substantially complete in October 2008. The contract should be completed and closed out in FY09.

The majority of the Stage II Lock Rehabilitation and Miter Gate replacement contract was completed in September 2006. An emergency repair to the lower land wall miter gate installed under this contract was completed with in-house crews in Feb 2007. Work on punch list and warranty items related to the new hydraulic machinery continued through December 2008. The Stage II contract is physically complete.

The resurfacing of the lock chamber, funded under O&M, remains unfunded.

Description

Lock 19, river mile 364.0, Upper Mississippi River, in the city of Keokuk, Iowa, was placed in operation in 1957. Potential unscheduled closures of 90 days have been estimated to be associated with failures of mechanical equipment. Transportation impacts associated with a 90-day closure of Lock 19 outside of the winter closure would approach \$137.7 million. AmerenUE, a privately owned utility company, owns the adjacent navigation/hydro-electrical dam. The rehabilitation involves the navigation lock chamber and associated appurtenances. Major work items include resurfacing the lock chamber (unfunded), rehabilitation of tainter valves, replacing and refurbishing the lock machinery, miter gates and overall site electrical systems.

Lock 19 Rehabilitation was started in FY 03 with a Congressional Add of \$500,000. Funding for rehabilitation projects is normally provided through Construction General (CG) funds, shared 50/50 with the Inland Waterway Trust Fund (IWF) for the Major Rehabilitation portion of the work and Operations & Maintenance (O&M) funds for the Major Maintenance portion of the work. The Major Rehabilitation and Major Maintenance construction work is awarded and executed concurrently under the same contract to make the most economical use of fiscal resources and minimize lock closures. For Lock 19, current O&M funding levels will not permit completion of all major maintenance elements for the proposed rehabilitation work. The concrete resurfacing of the Lock Chamber part of the major maintenance is more than \$30 Million.

Summarized Financial Data

	Rehabilitation	Major Maintenance
Estimated Federal Cost	\$31,576,000	\$57,346,494
Estimated Non-Federal Cost	\$0	\$0
Estimated Total Cost	\$31,576,000	\$57,346,494
Allocations through FY 2009	\$30,576,000	\$6,079,622
FY 2009 Budget	\$0	\$0

Budget Request for FY 2010	\$0	\$0
Balance to Complete After FY 2010	\$0	\$51,266,872

Major Work Item (This Fiscal Year)

FY 2009: Punchlist and warranty items for Stage I and Stage II contracts, closeout for Stage I and Stage II contract.

Authority

CG - Construction General -- Rivers and Harbors Act of 1930

Project Manager Information

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