

APPROPRIATION TITLE: Construction – Locks and Dams (Navigation)

PROJECT: Olmsted Locks and Dam, Illinois and Kentucky (Continuing)

LOCATION: The project is located in Pulaski County, Illinois, and Ballard County, Kentucky, on the Ohio River near Olmsted, Illinois, approximately 964 miles downstream from Pittsburgh, Pennsylvania.

DESCRIPTION: The project will replace Ohio River Locks and Dams 52 and 53. The new structure will consist of two 110' by 1200' locks adjacent to the Illinois shore and a dam comprised of tainter gates, navigable pass, and a fixed weir. All work is programmed.

AUTHORIZATION: Section 3(a) (6) of WRDA 1988 (P.L. 100-676)

REMAINING BENEFIT – REMAINING COST RATIO: 9.0 to 1 at 7 percent.

TOTAL BENEFIT – COST RATIO: 3.6 to 1 at 7 percent.

INITIAL BENEFIT – COST RATIO: 3.8 at 8 3/4 percent (FY 1991).

BASIS OF BENEFIT – COST RATIO: Benefits are based on the Olmsted Locks and Dam Post Authorization Change Report, dated Nov 2011 and revised April 2012.

SUMMARIZED FINANCIAL DATA

	STATUS (1 Jan 2013)	PERCENT COMPLETE	PHYSICAL COMPLETION SCHEDULE
Estimated Federal Cost	Entire Project	49	TBD
General Appropriations			
Inland Waterways Trust Fund			
Estimated Non – Federal Cost			
Total Estimated Project Cost			

Division: Great Lakes and Ohio River

District: Louisville

Olmsted Locks and Dam, IL & KY

SUMMARIZED FINANCIAL DATA (Continued):

	GENERAL APPNS.	INLAND WATERWAYS TRUST FUNDS	ACCUM. PCT. OF EST. FED COST
Allocations to 30 September 2010	\$631,092,000	\$601,781,000	
Allocation for FY 2011	71,657,000	71,451,594	
Allocation for FY 2012	75,000,000	75,000,000	
Conference Allowance for FY 2013	68,400,000	68,400,000	5/
Allocations through FY 2013	846,149,000	816,632,594	1/2/3/6/ 54
Estimated Unobligated Carry-in Funds	0	0	4/
President's Budget for FY 2014	81,500,000	81,500,000	59
Programmed Balance to Complete after FY 2014	639,109,000	639,109,406	7/
Unprogrammed Balance to Complete after FY 2014	\$ 0	\$ 0	

^{1/} \$0 reprogrammed to (from) the project.

^{2/} \$0 rescinded from the project.

^{3/} \$0 transferred to the Flood Control and Coastal Emergencies account.

^{4/} Estimated Unobligated "Carry-in" Funding: As of the date this justification sheet was prepared, the total unobligated dollars estimated to be carried into Fiscal Year 2014 from prior appropriations for use on this effort is \$0. This amount will be used to perform work on the project as follows: N/A.

^{5/} At the time this J-sheet was prepared, the Army Corps had not yet developed an operating plan for the remainder of fiscal year 2013.

^{6/} PED costs of \$13,023,000 are included in this amount.

^{7/} For programmed work only; remaining work is un-programmed pending a decision to construct these features.

PHYSICAL DATA:

Lock - 110 by 1,200 foot Chambers	2
Dam - Navigable Pass	1,400 feet
Fixed Weir	561 feet
Tainter Gates	744 feet
Acres - Dam	123 acres
Road	21 acres
Disposal Area	114 acres

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JUSTIFICATION: The project is in a strategic location on the inland waterway system. Virtually all waterway traffic moving between the Ohio River and tributaries and the Mississippi River and tributaries passes through the project area. Olmsted Locks and Dam will replace existing Ohio River Locks and Dams 52 and 53, which are over 83 years old. Both projects have temporary lock chambers that are inefficient and neither project conforms to current design criteria for structural stability. Commercial navigation in 2011 was 91 million tons through Lock 52 and 81 million tons through Lock 53. Over the last five years, tonnage has been relatively constant, with the 5 year average of 88 million tons through Lock 52 and 77 million tons through Lock 53. Coal comprises approximately 39% of the total tonnage, petroleum 4%, crude materials 31%, farm products 13%, chemicals 10% and 3%. The projected increases in waterway traffic demands in combination with the limited capacity of the existing locks will result in increased lockage delays. The Net Annual Project Benefits are \$742 million.

The following counties qualify as areas of "substantial and persistent" unemployment: Illinois – Alexander, Johnson, Massac, Pope, Pulaski, and Union; Kentucky – Ballard, Carlisle, Graves, Livingston, and Marshall.

Net annual benefits at 7 percent in 2012 price levels are as follows:

Annual Benefits	Amount
Navigation	\$741,680,000
Total	\$741,680,000

FISCAL YEAR 2013: The total unobligated dollars are being applied as follows:

Continue Dam Construction Contract	\$128,790,000
Mussel Monitoring	430,000
Planning, Engineering, and Design	1,760,000
Construction Management	6,380,000
Lock O&M during Construction (Hired Labor)	504,000
Total	\$137,864,000 ^{1/}

^{1/} Includes unobligated carry-in from FY 2012

FISCAL YEAR 2014: The requested amount will be applied as follows:

Continue Dam Construction Contract	\$152,970,000
Mussel Monitoring	430,000
Planning, Engineering, and Design	1,800,000
Construction Management	6,400,000
Lock O&M during Construction (Hired Labor)	1,400,000
Total	\$163,000,000

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NON-FEDERAL COSTS: In accordance with the cost sharing and financing concepts reflected in the Water Resources Development Act (WRDA) of 1986, 50% of the total cost of construction will be derived from the Inland Waterways Trust Fund. Funds, allocated under the American Reinvestment and Recovery Act, are not subject to the cost sharing provisions of WRDA 1986.

STATUS OF LOCAL COOPERATION: None required.

COMPARISON OF FEDERAL COST ESTIMATES: The current Federal cost estimate of \$3,104,000,000 is an increase of \$5,000,000 from the latest estimate (\$3,099,000,000) presented to Congress (FY 2013). The change includes the following items.

Items	Amount
Price Escalation on Construction Features	\$5,000,000
Total	\$5,000,000

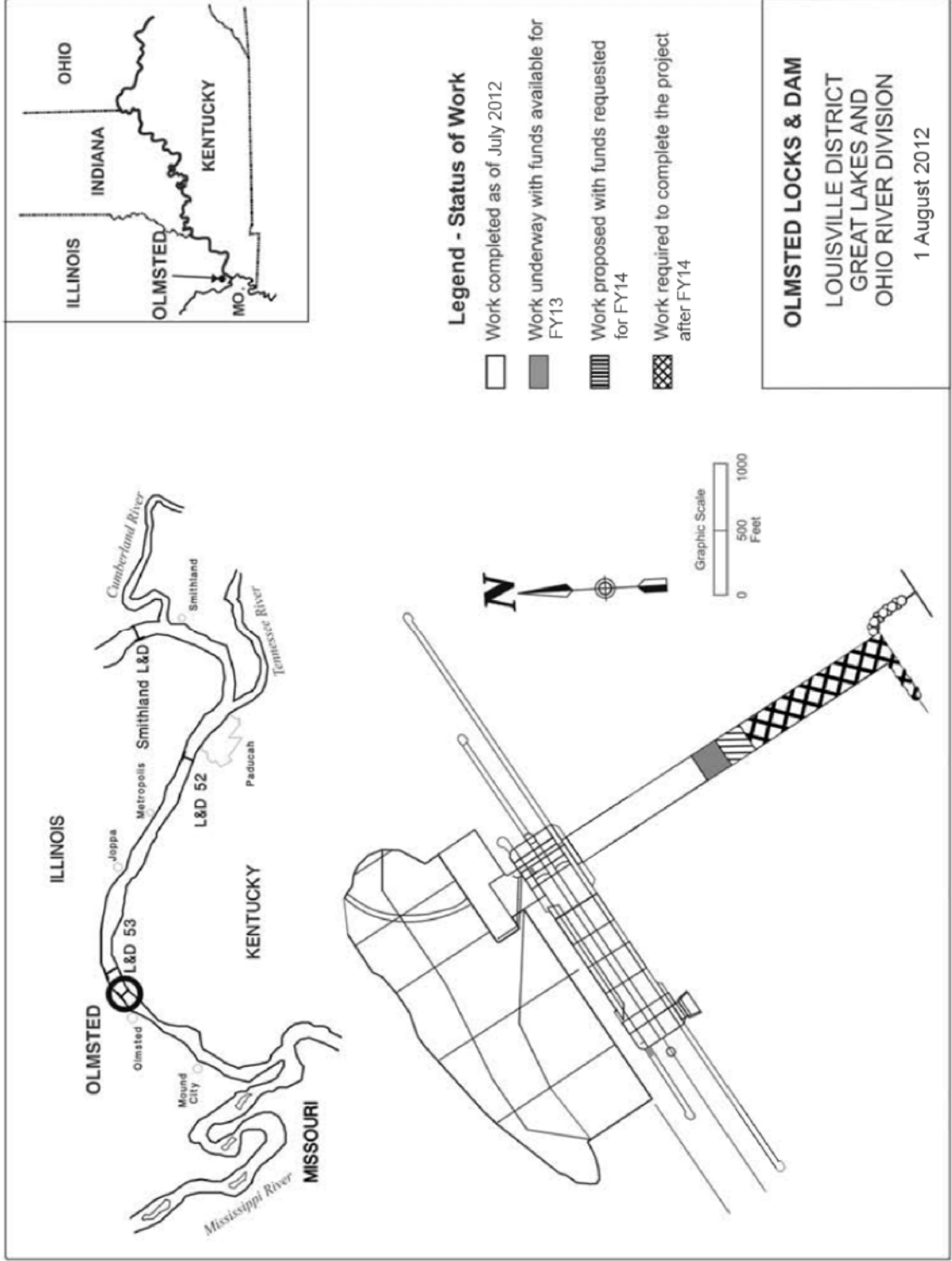
STATUS OF ENVIRONMENTAL IMPACT STATEMENT: A final Environmental Impact Statement (EIS) was filed with the Environmental Protection Agency on April 4, 1986. Due to project changes, a Draft Supplemental EIS was filed in November 1991. The Final Supplement to the EIS was filed on March 26, 1993, and the Record of Decision was signed on May 5, 1993.

OTHER INFORMATION: Funds to initiate preconstruction engineering and design were appropriated in FY 1986. Funds to initiate construction were appropriated in FY 1991. The twin 110 x 1200-foot locks were substantially completed in 2005. Construction on the dam was initiated in Jan 2004. Demolition of Locks and Dams 52 and 53 will follow completion of dam construction. A Post Authorization Change Report was approved and submitted to Congress in April 2012. A proposed change to the authorized limit was included in the Fiscal Year 2013 Budget Appendix in April 2012.

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