

Olmsted Locks and Dam



The Olmsted Locks & Dam project, located downstream of Locks and Dam 53 on the Illinois/Kentucky border, was authorized by the Water Resources Development Act of 1988. The proposed replacement structure will eliminate Ohio River Locks & Dams 52 & 53. The project consists of two 110' X 1200' locks adjacent to the Illinois bank, and a dam comprised of five tainter gates, 1400' of boat-operated wickets and a fixed weir. Locks & Dams 52 & 53 were completed in 1929 and the temporary 1,200' long lock chambers were added in 1969 at Locks & Dam 52 and 1979 at Locks & Dam 53. The antiquated design and age of these structures make it impossible to meet current traffic demands without significant delays. The existing structures have deteriorated structurally and are overstressed during normal operating conditions. The temporary lock at Locks & Dam 52 has passed its 15-year life by 20 years

Ground was broken on Olmsted Locks and Dam in 1996. The Olmsted project involves underwater foundation preparation, lift-in construction of the tainter gates and navigable pass shells for the dam, floating approach walls, directly connected hydraulic cylinder operation of the culvert valves, miter gates, tainter gates, and a central station to operate both the dam and the twin locks. The project is currently scheduled for a 2012 completion, depending upon funding.



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Olmsted Lock Site - 2004 Commodity Distribution <i>(values in million of dollars)</i>				
Commodity	Tonnage	Percent	Value	Percent
Coal	14,863,711	17%	\$597	3%
Petroleum	8,671,592	11%	\$1,247	6%
Aggregates	11,038,803	15%	\$742	4%
Grains	12,347,025	13%	\$1,932	9%
Chemicals	8,978,198	12%	\$5,456	27%
Ores/Minerals	7,251,698	10%	\$666	3%
Iron/Steel	13,211,172	17%	\$5,487	27%
Other	3,893,896	5%	\$4,275	21%
Total	80,256,095		\$20,402	
Source: U.S. Army Corps of Engineers Waterborne Commerce Statistics				

According to the Corps of Engineers Waterborne Commerce Statistics for 2004, more than 80 million tons of commodities were shipped past the point where Olmsted is being built. These shipments had a combined value of \$20.4 billion. The leading commodity shipped past the Olmsted Lock site was coal, which made up 17% of the total tonnage.

Olmsted Lock Site - 2004 Barge Tonnage Shipped from States <i>(values in million of dollars)</i>			
Shipments By	Tons	Value	Top Commodity
Louisiana	26,404,643	\$7,231	Iron Ore & Steel Products
Kentucky	15,264,725	\$3,364	Aggregates
Illinois	13,220,741	\$1,560	Coal
Indiana	5,450,167	\$904	Grain
Texas	4,195,274	\$2,656	Chemicals
Source: U.S. Army Corps of Engineers Waterborne Commerce Statistics			

Louisiana received almost 22 million tons that would have moved through Olmsted Locks, with a combined value of \$3.1 billion. Grain made up 40% of this amount. Kentucky was second in receipts of potential Olmsted Locks traffic, with more than 11.8 million tons.

Olmsted Lock Site - 2004 Barge Tonnage Shipped to States <i>(values in million of dollars)</i>			
Receipts By	Tons	Value	Top Commodity
Louisiana	22,372,298	\$3,144	Grain
Kentucky	11,847,198	\$2,328	Iron Ore & Steel Products
Ohio	9,552,429	\$2,932	Iron Ore & Steel Products
Indiana	6,562,960	\$1,016	Coal
Tennessee	5,997,456	\$1,724	Ores/Minerals
Source: U.S. Army Corps of Engineers Waterborne Commerce Statistics			

Louisiana's 3rd Congressional District was the leading shipper of commodities past the Olmsted Locks site. This district shipped over 21 million tons of aggregates, coal and other commodities, with a combined value of \$4.8 billion. Kentucky District 1 was next, with 11.1 million tons.

Olmsted Lock Site 2004 Barge Tonnage Shipped from Congressional Districts (values in million of dollars)				
Shipments By	District	Tons	Value	Top Commodity
Louisiana	3	21,193,966	\$4,853	Iron/Steel Products
Kentucky	1	11,158,586	\$1,741	Aggregates
Illinois	12	5,583,543	\$676	Coal
Illinois	19	4,713,660	\$299	Coal
Indiana	8	3,796,563	\$526	Grain
Source: U.S. Army Corps of Engineers Waterborne Commerce Statistics				

The leading Congressional District in receipts of potential Olmsted Lock commodities was Louisiana District 3, which received nearly 16 million tons. This tonnage was mostly coal and grain, and had a combined value of almost \$1.4 billion.

Olmsted Lock Site 2004 Barge Tonnage Shipped to Congressional Districts (values in million of dollars)				
Receipts By	District	Tons	Value	Top Commodity
Louisiana	3	16,337,794	\$1,867	Grain
Ohio	6	5,277,747	\$1,671	Iron/Steel Products
Kentucky	4	4,894,011	\$958	Iron/Steel Products
Kentucky	1	4,218,318	\$784	Petroleum
Indiana	9	3,941,659	\$522	Coal
Source: U.S. Army Corps of Engineers Waterborne Commerce Statistics				