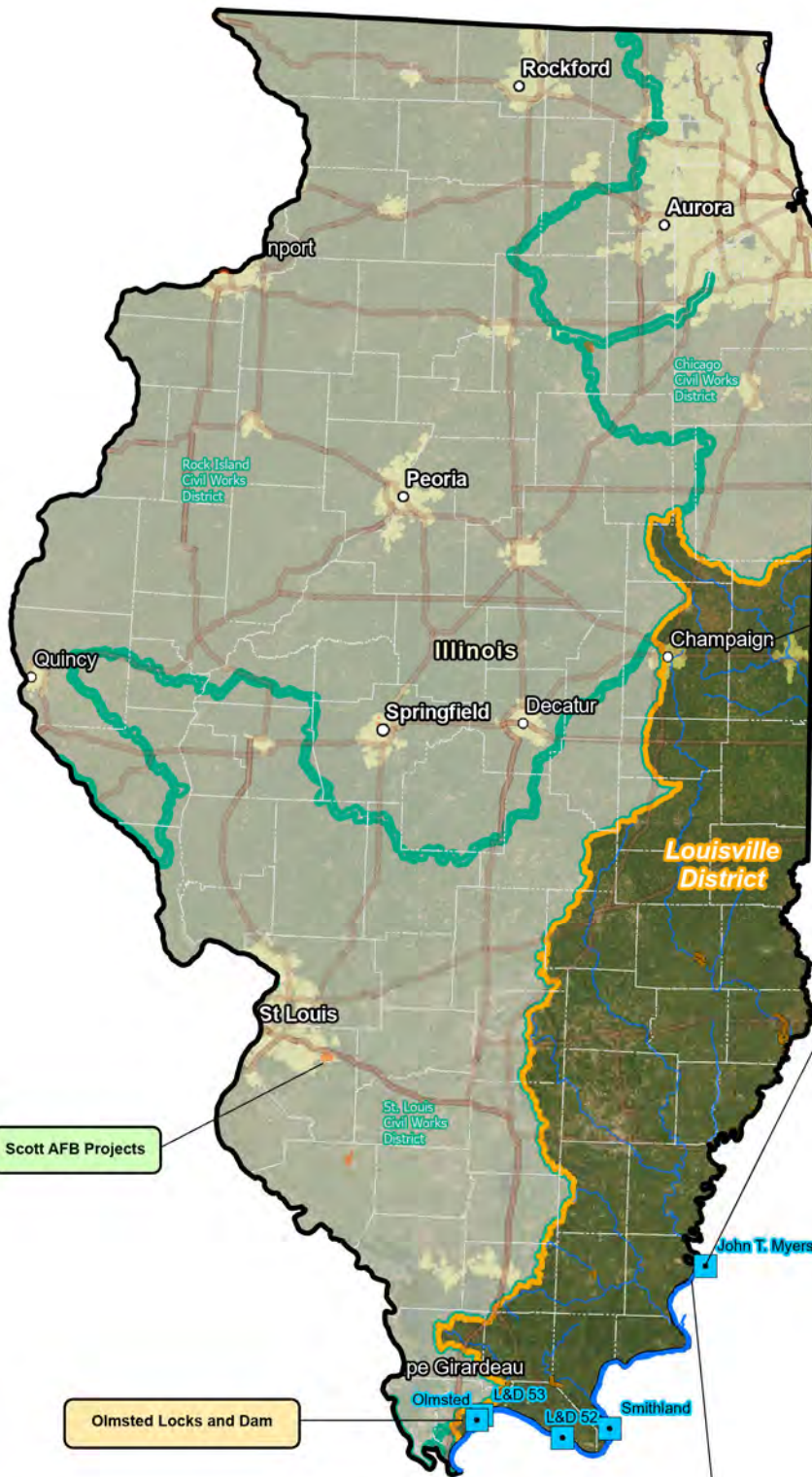


STATE OF ILLINOIS



Energy Resilience
Conservation
Investment Program

Vermilion River Section 14

John T. Myers Locks & Dam
Lock Improvements Project, GRR

Scott AFB Projects

Olmsted Locks and Dam

Wabash River
Dikes

Legend

- Louisville District Boundary
- Adjacent District Boundary
- Lock & Dam
- Levee / Floodwall
- Major Stream
- Ohio River
- Military Installation
- City
- Illinois
- Civil Project
- Military Project

John T. Myers Locks and Dam, IN and KY



J.T. Myers 600' Lock Extension

Current Phase: Construction

Location and Description:

The project is located on the right bank of the Ohio River at river mile 846.0 approximately 3.5 miles downstream of Uniontown, KY, with the lock chambers towards the Indiana shore.

The John T. Myers Lock Extension Project will extend the existing 600-foot long auxiliary lock chamber to a 1,200-foot long lock chamber. This effort will give the navigation facility twin 1,200-foot locks for inland navigation tow traffic. This additional lock capacity will enable the facility, in operation since 1969, to manage tow traffic during planned and unscheduled main lock closures without significant delays to inland navigation. Many contracts are required to design and construct the project. Preconstruction, Engineering and Design (PED) efforts since 2000 have included hydraulic model studies and engineering analysis and foundation explorations towards preparation of project plans and specifications.

Authorization:

Water Resources Development Act (WRDA) 2000, Public Law 106-541

FY23 Activities:

No activities were completed in FY23 since no Federal funds were received.

FY24 Planned Activities:

If FY24 funds are received, they would be used to initiate a General Reevaluation Report (GRR) to evaluate the cost and economics of the current approved plan.

Issues and Other Information:

In September 2004, the Corps awarded the first site preparation contract for construction of an Operations

Summarized Financial Data:

	<u>Construction</u>
Estimated Federal Cost	\$226,561,000
Estimated Non-Federal Cost	\$216,239,000
Total Estimated Project Cost	\$442,800,000
Allocation thru FY23 1/	\$19,456,946
Balance to Complete After FY23	\$423,343,054
FY24 Capability (FED)	\$400,000
FY25 President's Budget	TBD

1/ Includes funds (\$10,110,000) provided by the American Recovery and Reinvestment Act of 2009 (ARRA), Public Law 111-5, which are not cost shared with IWTF appropriations.

Support Facility. Those construction activities were completed in late 2005. The remaining site preparation contracts will include: a) excavation of the river bank to widen the upper lock approach; b) construction of a Resident Engineer's building; c) miter gate storage area, with spare gate; and d) implementation of aquatic mitigation. Based upon physical modeling, it is necessary to widen the upper approach area for downbound entry of commercial towing vessels into the extended auxiliary lock chamber. The spare miter gate will allow the Corps to expedite both scheduled maintenance activities and emergency repairs to the existing lock miter gates. Environmental mitigation will involve installation of a series of in-water features, over three consecutive summer and fall low water seasons, to enhance aquatic habitat in the nearby vicinity of the project. Upon receipt of additional funding the District would proceed towards award of the remaining contracts. The District plans to award two contracts to construct the lock extension and its new approach walls.

The Corps of Engineers has suspended design of the project until receipt of additional funds. The American Recovery and Reinvestment Act of 2009 provided the Corps of Engineers with funding to award the contracts for construction of the upper lock approach widening and Resident Engineer's building. The approach widening contract was awarded on December 17, 2009 and was substantially complete in July 2012. The Resident Engineer's Building was awarded on March 31, 2010, and was substantially complete in December 2011.

Construction of the remaining work will be accomplished by award of both fully and incrementally-funded contracts. The schedule will be developed upon receipt of additional funds.

The John T. Myers project passes the highest tonnage of all the Ohio River high lift locks with a 600-foot auxiliary chamber. Approximately 73 million tons of commodities were shipped through the J. T. Myers locks in 2010. The project authorization was a product of the Ohio River Mainstem Systems Study, which used a regional systems approach to address the investments needed to provide an efficient navigation system on the

Ohio River Mainstem through 2060. This project represents a reinvestment in the river transportation infrastructure.

Congressional Interests:

SEN Mitch McConnell (KY)
SEN Rand Paul (KY)
SEN Todd Young (IN)
SEN Mike Braun (IN)
SEN Richard J. Durbin (IL)
SEN Tammy Duckworth (IL)
REP Mary Miller (IL-15)
REP Larry Bucshon (IN-8)
REP James Comer (KY-1)

Locks and Dam 52 and 53 Replacement Project (Olmsted Locks and Dam), IL and KY



Project Area

Current Phase:

Construction

Location and Description:

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. The proposed replacement structure will eliminate Ohio River Locks & Dams 52 & 53. 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. Existing wicket dam has missing sections and wickets that will not raise making it very difficult to maintain pool during low water. The temporary locks at Locks & Dam 52 & 53 have significantly passed their 15-year design life.

This strategic reach of the Ohio River provides a connection between the Mississippi River, Tennessee River and Cumberland River. More tonnage passes this point than any other place in America's inland navigation system. In 2011, 91 million tons (Locks & Dam 52), traversed this portion of the Ohio River. 25% of all coal shipped on the inland waterways transits Locks & Dam 52, destined for many of the 50 power plants located on the Ohio River System or the 17 power plants located in eight states on the Upper or Lower Mississippi River.

Authorization:

The Olmsted Locks & Dam project was authorized by Section 3(a)(6) of the Water Resources Development Act (WRDA) of 1988. The authorized project cost was increased on 17 October 2013 as part of a Continuing

Summarized Financial Data:

Authorized Total Project Cost	\$2,867,296,000
Estimated Federal Cost	\$1,856,981,000
Estimated Inland Waterways Trust Fund	\$1,010,315,000
Funding received to date:	\$2,853,403,115

Appropriations Act, 2014 to \$2,918,000,000. The project was funded 50%/50% from the General Treasury and the Inland Waterways Trust Fund (IWTF) through FY2013. The FY2014 Omnibus Appropriation Act changed the split of IWTF and General Treasury funds to 25%/75% for FY2014 only. Water Resources Reform and Development Act of 2014 changed the IWTF and General Treasury shares to 15%/85% beginning 1 Oct 2014.

Sponsor: Inland Waterways Trust Fund

Status:

Olmsted was put into service on 6 Sep 2018 ahead of the scheduled 1 Oct 2018 date, and 4 years ahead of the PACR milestone, to mitigate significant economic exposure to industry stakeholders given the failing condition of Locks & Dams 52 & 53. This early operational date and subsequent unseasonable extended high-water event impacted completion of several critical items of the dam to include isolation piles and shell patching. An additional \$63M was received through the FY20 Work Plan for project delays due to the high-water impact to the cost-reimbursement contract extension and procurement of remaining work. LRL continues to actively work towards completion of remaining work and to complete the project ahead of the Cost Scheduled Risk Analysis date of 2026. The Dam contract is now complete and the contractor has demobilized from the site.

FY24 Planned Activities:

The evaluation of a trench cleaning design is underway to develop a diver-less process to clean sediment and debris from the wicket trench. The evaluation of proposals is scheduled for the 1st Quarter of FY24. A contract for the development of a design is planned to be awarded with a follow-on construction contract to build and implement the diver-less trench cleaning process. All activities are scheduled to be complete in FY26.

Issues and Other Information:

The project has four pending REAs that are being evaluated.

Congressional Interest:

SEN Mitch McConnell (KY)

SEN Rand Paul (KY)

Vermilion County (HWY 21), Illinois Emergency Streambank Stabilization (CAP Section 14)



Active streambank failure along the Middle Fork
Vermilion River (Vermilion County, IL)

Current Phase:

Design and Implementation (D&I)

Location and Description:

The project site is located approximately 8.3 miles north of Oakwood, IL in Vermilion County, IL along the left descending bank of the Middle Fork Vermilion River, just upstream of the N 900 East Bridge (County Highway 21). This section of the river is classified as a Wild and Scenic River.

According to Vermilion County officials, approximately 250 vehicles traverse that stretch of roadway each day. Closure of this section of the road will lead to a 13.5-mile detour to the north, and a 20.5-mile detour to the south. In addition, this erosion has rendered the public access site for paddlers, anglers, and other recreational users inaccessible.

Significant erosion has occurred in 2011, 2017, and 2019. County officials have closed the lane closest to the river in order to maintain public safety.

Authorization:

Section 14 of the Flood Control Act of 1946, as amended
– Emergency Streambank and Shoreline Stabilization

Sponsor:

Vermilion County, Illinois

Summarized Financial Data:

	<u>(D&I)</u>
Estimated Federal Cost	\$2,608,450
Estimated Non-Federal Cost	\$1,404,550
Total Estimated Project Cost	\$4,013,000
Allocation thru FY23 (Federal)	\$287,300
Balance to Complete After FY23	\$2,321,150
FY24 Capability (FED)	\$2,093,700
FY25 President's Budget	N/A

FY 23 Activities:

The feasibility report, with integrated Environmental Assessment, was signed in November 2022. The Project Partnership Agreement was signed in March 2023. Surveys were completed in August 2023. H&H has updated the previous modeling with the survey data to support calculations for the riprap design.

FY 24 Planned Activities:

The H&H report and Geotechnical report will be completed in the 1st Quarter of FY24, and contractor work limits will be given to Real Estate so acquisitions can begin. Environmental surveys will be completed in the 2nd Quarter. The National Park Service will provide a final determination of effect upon receipt of a notice of application for a 404 permit, including nationwide permits. Final plans and specifications, as well as real estate certification, are currently scheduled to be completed in the 3rd Quarter. The Ready to Advertise (RTA) milestone is currently scheduled for the 4th Quarter of FY24.

Issues and Other Information:

None at this time.

Congressional Interest:

SEN Richard Durbin (IL)
SEN Tammy Duckworth (IL)
REP Robin Kelly (IL-2)

Wabash River Dikes



Project Area

Current Phase:

Construction

Location and Description:

The project area is located in the Ohio River near the confluence with the Wabash River along the Illinois and Kentucky banks.

The FY19 Supplemental (O&M) Bill authorized \$26M for the design and construction of river dikes in the Ohio River near the confluence of the Wabash River. In 2008, the Wabash River cut-through reduced the river by 13 miles. This has resulted an annual dredging of the Ohio River near the mouth of the Wabash River at a cost of \$1.5M (2016 dollars) annually. Prior to 2008 (1932-2007), the average annual dredging cost was only \$86K (2016 dollars). Construction of the river dikes will reduce the amount of dredging needed in this area.

Authorization:

P.L. 116-20

Sponsor:

N/A

Summarized Financial Data:

Estimated Federal Cost	\$26,000,000
Estimated Non-Federal Cost	\$0
Total Estimated Project Cost	\$26,000,000
Allocation thru FY23 (Federal)	\$9,815,104
Balance to complete after FY23	\$0
FY24 Capability (FED)	\$0
FY25 President's Budget	N/A

FY23 Activities:

The Project Delivery Team addressed real estate issues relating to an easement with the Natural Resource Conservation Service (NRCS). A full Notice-to-Proceed (NTP) was issued to the contractor. Construction was initiated.

FY24 Planned Activities:

The current scheduled completion date for construction is the 2nd Quarter of FY24. Close-out the project.

Issues and Other Information:

The construction contract amount was significantly lower than the estimated federal cost resulting in a savings to the Government.

Congressional Interest:

SEN Todd Young (IN)
 SEN Mike Braun (IN)
 SEN Mitch McConnell (KY)
 SEN Rand Paul (KY)
 SEN Richard J. Durbin (IL)
 SEN Tammy Duckworth (IL)
 REP Larry Bucshon (IN-08)
 REP James Comer (KY-01)
 REP Mary Miller (IL-15)

Scott Air Force Base, IL



Location and Description:

It is located in St. Clair County, Illinois, is a crucial hub for the United States Air Force. Scott Air Force Base covers more than 3,500 acres and employs 13,000 military and civilian service members. It primarily focuses on global mobility tasks such as aeromedical evacuation, operational support airlift, and air refueling missions. Serving as the headquarters for the Air Mobility Command (AMC) and the U.S. Transportation Command, the 375th Air Mobility Wing operates Scott Air Force Base. The base also hosts the Air Force Reserve Command's 932d Airlift Wing and the Illinois Air National Guard's 126th Air Refueling Wing. Key mission partners at the base include the U.S. Transportation Command, the Defense Information Systems Agency, and the Defense Information Technology Contracting Office.

Authorization:

Military Construction, Air Force
 Minor Construction, Air Force
 Operation and Maintenance, Air Force

FY24 Activities:

Design, procurement, and construction management activities. Including:

- 3 MILCON projects (Communication Facility, Operation & Mission Planning Center, Child Development Center)
- 2 O&M Projects (Renovations, Swing Space)

FY25 Planned Activities:

Design, procurement, and construction management activities and continued support of new projects.

Issues and Other Information:

NSTR

Summarized Financial Data:

Estimated Federal Cost	<u>Construction</u> \$354,891,000
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Congressional Interest:

Sen. Richard Durbin
 Sen. Tammy Duckworth
 Rep. Mike Bost

Energy Resilience Conservation Investment Program

Location and Description:

ERCIP projects are located at various Military Installations to include but not limited to: Fort Bliss, Fort Liberty, Fort Buchanan, Fort Cavazos, Fort Riley, Fort Sill, Fort Stewart, Lake City Army Ammunition Plant, Aberdeen Proving Ground, Anniston Army Depot, Joint Base Lewis-McChord, Camp Arijfan, Rock Island Arsenal, White Sands Missile Range, USAG Ansbach, Camp Buehring and Tooele Army Depot.

ERCIP is a subset of the Defense-Wide MILCON Program specifically intended to fund projects that improve energy and water resilience, contribute to mission assurance, save energy, and reduce DoD's energy costs. ERCIP accomplishes this through construction of new, high-efficiency energy systems and technologies or through modernizing existing energy systems.

Authorization:

Authority for the ERCIP program is established by 10 USC § 2914

FY24 Activities:

Design, procurement, and construction management activities for projects in the ERCIP program.

FY25 Planned Activities:

Design, procurement, and construction management activities for projects in the ERCIP program.

FY26 Planned Activities:

Design, procurement, and construction management activities for projects in the ERCIP program.

Issues and Other Information:

Real property transfer/conveyance rules conflict with installation contracts with privatized utilities.

Summarized Financial Data:

LRL Current Military Program	
Estimated Federal Cost	\$1,197,645,000

Project	Description	Installation	PN	FY	PA
1	Construct Microgrid Controls, 690 kW PV, 275kW GEN, 570 kWh BESS	PR010 - Juana Diaz, Puerto Rico	95004	2022	\$ 12,190,000
2	Construct Microgrid Control System, 460 kW PV, 275kW GEN, 660 kWh BESS	PR013 – Ramey; Puerto Rico	95005	2022	\$ 10,120,000
3	Fort Liberty Emergency Water System	Fort Liberty	97484	2022	\$ 7,705,000
4	Install Microgrid, 750 kW PV Array, 750 kWh BESS, and 680kW Generator Set	Conroe ASF	93347	2023	\$ 9,600,000
5	Camp Arifjan ERCIP Power Generation and Microgrid	Camp Arifjan, Kuwait	94849	2023	\$ 26,850,000
6	Ft. Riley ERCIP Power Generation and Microgrid	Fort Riley	98161	2023	\$ 25,780,000
7	Ft. Stewart HAAF ERCIP Power Generation and Microgrid	Fort Stewart HAAF	98162	2023	\$ 25,400,000
8	Ft. Cavazos Power Generation and Microgrid	Fort Cavazos (Hood)	99143	2023	\$ 31,500,000
9	Camp Ruehring FY24 Microgrid	Camp Buehring, KW	94933	2024	\$ 18,850,000
10	Ft. Liberty Camp MacKall FY24 Microgrid	Ft Liberty (Bragg) - Camp MacKall	98901	2024	\$ 10,500,000
11	Microgrid and Backup Power	Fort Buchanan	99144	2024	\$ 56,000,000
12	JBLM DES FY24 Microgrid	Joint Base Lewis-McChord	99146	2024	\$ 49,850,000
13	Lake City FY24 Microgrid CHP	Lake City Army Ammo Plant	99147	2024	\$ 80,100,000
14	Ft. Cavazos FY24 Microgrid	Fort Cavazos (Hood)	99288	2024	\$ 18,250,000
15	Ft. Sill FY24 Microgrid	Fort Sill	101861	2024	\$ 76,650,000
16	Critical Water Storage	Fort Liberty	98977	2025	\$ 25,000,000
17	Anniston Army Depot (ANAD) Power Generation and Microgrid	Anniston Army Depot	100945	2025	\$ 54,000,000
18	Rock Island Arsenal Power Generation and Microgrid	Rock Island Arsenal	100946	2025	\$ 67,500,000
19	JBLM FY25 Grey Army Airfield (GAAF)	Joint Base Lewis-McChord	100947	2025	\$ 38,300,000
20	Aberdeen Proving Grounds (APG) 2MW Microgrid	Aberdeen Proving Ground	100949	2025	\$ 29,400,000
21	Power Generation and Microgrid	White Sands Missile Range	80635	2026	\$ 38,000,000
22	Water Distribution Lines, Potable Industrial Area	Hawthorne Army Depot	86677	2026	\$ 5,000,000
23	Install Microgrid, 575 kW PV, 300kW/1200kW Bat Energy Stor System (BESS), and Two 200kW Elec Turb	Ft. Sheridan	94042	2026	\$ 5,600,000
24	Install Microgrid, 450kW PV, and 500kW/2000kWh Bat Energy Storage Sys (BESS)	Belgium	95066	2026	\$ 17,000,000
25	Power Generation and Microgrid	Camp Buehring, KW	96153	2026	\$ 21,300,000
26	Main Potable Water Lines for Resilience	Tooele Army Depot	98650	2026	\$ 18,500,000
27	Construct Potable Water Purification System at Las Casas Lake	Fort Buchanan	98709	2026	\$ 17,500,000
28	Install Microgrid, 4MW PV, 2MW/8MWh Bat Energy Stor Sys (BESS), and 2MW Generator	Ft. Liberty (Bragg)	100873	2026	\$ 38,000,000
29	Install Microgrid, 1MW PV, 500kW/3MWh Bat Energy Stor Sys (BESS), and 500kW Generator	Joint Base Lewis-McChord	101472	2026	\$ 39,000,000
30	Install Microgrid with PV, Battery Energy Storage System (BESS), and Generation	USAG Ansbach (Katterbach), Germany	102238	2026	\$ 26,000,000
31	Install Microgrid, PV, Battery Energy Storage System, and Generation	USAG Ansbach (Storck Barracks), Germany	102287	2026	\$ 27,000,000
32	Install 12 MW of Ground-Mounted Solar PV and 4MW/4MWh Bat Energy Stor Sys (BESS)	Ft. Sill	102300	2026	\$ 29,000,000
33	Install Microgrid, 500kW PV, 1MW/2MWh Bat Energy Stor Sys (BESS), and 2MW Generator	Ft. Liberty (Bragg)	102321	2026	\$ 15,500,000
34	Install Microgrid, 2.5 MW PV, 5 MWh Battery Energy Storage System (BESS)	Parks RFTA	102712	2026	\$ 37,000,000
35	Install 2.4 MW PV and 10 MWh Battery Energy Storage System	Camp Roberts Enclave	102945	2026	\$ 60,000,000
36	Power Generation and Microgrid	Ft. Carson	102984	2026	\$ 58,000,000
37	Redstone Electric Power, Microgrid	Redstone Arsenal	103043	2026	\$ 33,000,000
38	Install 1750 kW of Natural Gas Generators and Microgrid	Fort Bliss	93031	2026	\$ 7,100,000
39	DPTMS Simulation Training Campus Microgrid	Fort Bliss	98799	2026	\$ 8,600,000
40	5 MW NG Generator - Resiliency, McGregor / Westbrook Ranges	Fort Bliss	98991	2026	\$ 12,000,000
41	5 MW NG Generator - Resiliency, East Bliss Substation	Fort Bliss	99008	2026	\$ 11,000,000