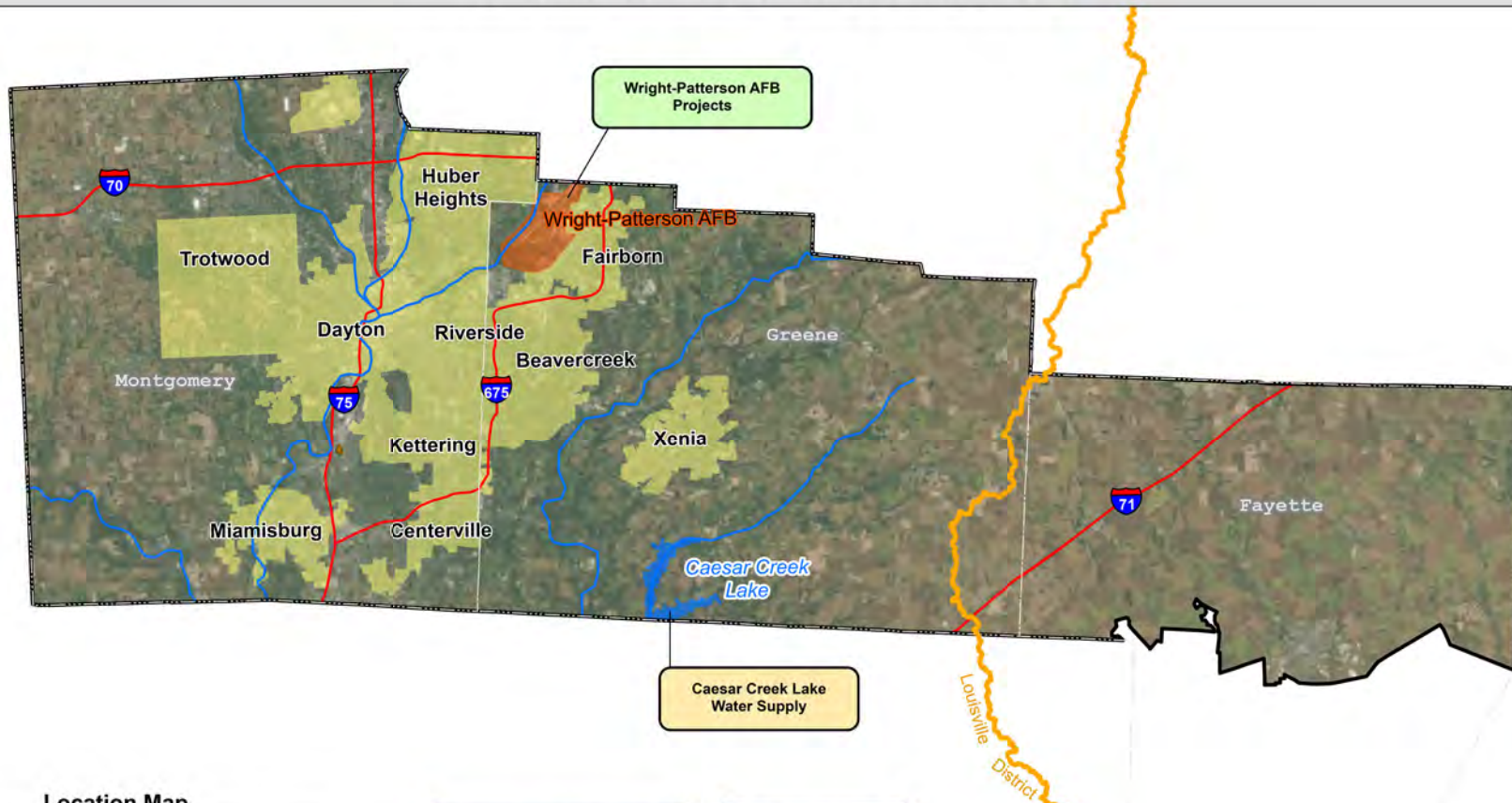
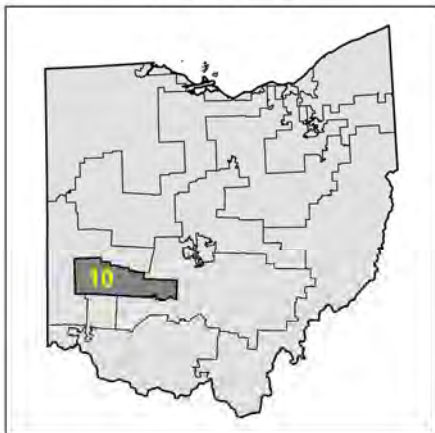


# CONGRESSIONAL DISTRICT OH10



Location Map



Environmental Infrastructure, OH (Section 594)

Dam Safety Program COE OH Dams

Ohio River Locks and Dams Master Plan

Olmsted Locks & Dam

ORSANCO PAS

## Legend

- |                    |                          |
|--------------------|--------------------------|
| Lock & Dam         | Military Installation    |
| Interstate Highway | LRL Civil Works Boundary |
| Levee / Floodwall  | City                     |
| Major Stream       | County Boundary          |
| Waterbody          | Civil Project            |
| Watershed          | Military Project         |



## Wright-Patterson Air Force Base, Dayton, OH



### Location and Description:

Wright-Patterson Air Force Base (WPAFB) is located northeast of Dayton, OH, and encompasses parts of Greene and Montgomery counties. The Base is headquarters for a vast, worldwide logistics system, a world-class laboratory research function, and is the foremost acquisition and development center in the U.S. Air Force.

The Louisville District is currently executing projects under seven separate programs. These programs include:

#### - Military Construction – Air Force (MCAF/MCAR):

Six projects in progress totaling \$225,156,135

- 4 projects in design - \$79,300,000
- 2 projects in construction - \$145,856,135

#### -Family Housing, Air Force (AFLI)

One project in progress totaling \$35,775,000

- 1 project in design - \$35,775,000

#### - Defense Logistics Agency (DLA)

One project in progress totaling \$19,883,044

- 1 project in construction - \$19,883,044

#### - Operations & Maintenance, Air Force (OMAF)

21 projects in progress totaling \$692,315,852

- 12 projects in design - \$625,865,000
- 9 projects in construction - \$66,450,852

#### - Research, Development, Test & Evaluation (RDT&E)

14 projects in progress totaling \$71,040,941

- 5 projects in design - \$28,280,000
- 9 projects in construction - \$42,760,941

#### -Energy Conservation Investment Program (ECIF)

Three projects in progress totaling \$63,458,888

- 1 project in design - \$35,100,000
- 2 projects in construction - \$28,358,888

#### - Non-Appropriated Funds (NAF)

Two projects in progress totaling \$94,300,000

- 2 projects in design - \$94,300,000

### FY 2022 Activities:

Continued planning/design phase support, as well as:

MCAR – 1 construction award  
AFLI – 1 construction award  
OMAF – 3 construction awards  
RDT&E – 4 construction awards

### FY23 Planned Activities:

Continued support across all programs/phases

MCAF – 2 construction award  
OMAF – 6 construction awards  
RDT&E – 1 construction award  
ECIF – 1 construction award  
NAAF – 2 construction awards

### Issues and Other Information:

NSTR

### Summarized Financial Data:

Programmed Amt (projects in design)	\$804,320,000
Projects in Construction	\$303,309,860
NAF Funded Project	<u>\$94,300,000</u>
Total Estimated Program	\$1,201,929,860

### Congressional Interest:

Sen. Sherrod Brown  
Sen. Rob Portman  
Rep. Michael Turner



## Wright-Patterson Air Force Base, OH – Fire/Crash Rescue Station



### **FY22 Activities:**

Completion of Pre-Engineered Metal Building, Apparatus Bay and Residential area of the facility and all exterior finishing and utility service; achieve Beneficial Occupancy.

### **FY23 Planned Activities:**

Closeout of the project.

### **Summarized Financial Data:**

Estimated Federal Cost	<b><u>Construction</u></b> \$7,501,343
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### **Congressional Interest:**

Sen. Sherrod Brown  
Sen. Robert Portman  
Rep. Michael Turner

### **Current Phase:**

Construction

### **Location and Description:**

The project will provide a new Fire Crash Rescue Station at Wright Patterson Air Force Base, OH.

The project will consist of Reinforced concrete foundation/floor slab, masonry wall, roof system, and comm support. It will include two-adjacent bays, composed of two-consecutive bays for medium class vehicles, ops, training, admin, sleeping.

### **Authorization:**

FY18 MILCON, Air Force Funds



## Wright-Patterson Air Force Base, OH – Improve Family Housing



### Current Phase:

Design

### Location and Description:

The project will provide new Family Housing at Wright Patterson Air Force Base, OH.

The project will provide modern/efficient housing for key essential Military members & dependents at WPAFB. It will upgrade & modernize units which were constructed in 1930s.

### Authorization:

FY20 Family Housing, Air Force Funds

### FY22 Activities:

Award contract for Phase 1 of the renovation upon reprogramming approval

### FY23 Planned Activities:

Continue construction activities (880-day Phase I Period of Performance)

Phase 2 currently programmed for award in FY26.

### Summarized Financial Data:

	<u>Construction</u>
Estimated Federal Cost	\$35,775,000

### Congressional Interest:

Sen. Sherrod Brown  
Sen. Robert Portman  
Rep. Michael Turner



## Wright-Patterson Air Force Base, OH – Child Development Center



### Current Phase:

Design

### Location and Description:

The project will provide a Child Development Center at Wright Patterson Air Force Base, OH.

The project will provide an adequately sized & configured Child Development Center. It is required to provide day care services for dependent children of active duty, DoD civilian, active-duty reservist, and contractor personnel at WPAFB.

### Authorization:

FY23 MILCON, Air Force Funds

### FY22 Activities:

Design phase of the project is complete; awaiting Authority to Advertise for a design-build construction contract. Project is currently an FY22 Unfunded Priority.

### FY23 Planned Activities:

Construction activities.

### Summarized Financial Data:

	<u>Construction</u>
Estimated Federal Cost	\$24,000,000

### Congressional Interest:

Sen. Sherrod Brown  
Sen. Robert Portman  
Rep. Michael Turner



## Caesar Creek Lake, Ohio



Caesar Creek Lake - Waynesville, Ohio

### Current Phase:

Water Supply Agreement

### Location and Description:

Caesar Creek Lake was authorized by the Flood Control Act of 28 June 1938 (Public Law 761, 75<sup>th</sup> Congress). The 2,830 acre lake is located in Warren, Clinton, and Greene counties in southwestern Ohio. The dam is located 3 miles above the mouth of Caesar Creek, a tributary of the Little Miami River, about 30 miles northeast of Cincinnati, OH. The lake operates for flood risk mitigation in the valleys of Caesar Creek and the Little Miami River and as a unit in the comprehensive plan for the Ohio River Basin for storage of water. Additional project purposes are water quality, water supply, recreation, and fish and wildlife.

On 15 January 1970, the United States of America entered into a water supply agreement with the State of Ohio (represented by ODNR - the Ohio Department of Natural Resources) for water storage space in Caesar Creek Lake, OH for approximately 39,150 acre-feet of storage which provides an estimated water supply yield of 37 Million Gallons per Day (MGD).

Caesar Creek Lake exists as a cooperative management effort among the Corps of Engineers and the ODNR – Divisions of Parks and Recreation, Wildlife, and Natural Areas and Preserves.

### Authorization:

Water Supply Act of 1958, as amended (43 U.S.C. 390b-f)

### Summarized Financial Data:

	<u>Feasibility</u>
Estimated Federal Cost	\$0
Estimated Non-Federal Cost	\$0
Total Estimated Project Cost	\$0
Allocation thru FY21	\$0
Balance to Complete after FY21	\$0
FY22 Final Appropriation	TBD
FY22 Allocation (thru JAN 2022)	\$0
FY23 President's Budget	TBD

### FY22 Planned Activities:

The Louisville District (LRL) has responded to litigation initial disclosures and coordinated Counsel/DOJ efforts towards development of settlement agreement. LRL fully intends to present all requested materials, background information, and any other relevant witness information as requested throughout the litigation process.

### Issues and Other Information:

The only known sub-user of the water supplied under the agreement is the City of Wilmington, OH, which, under a separate agreement with the State of Ohio to which the Corps is not a party, provides payment for Ohio's entire O&M cost share but only has a contracted water supply yield of 7 MGD with the state. USACE does not have an agreement with the City of Wilmington, and its agreement with the State provides that the Federal Government shall not be responsible for diversion by others nor will it become a party to any controversy between the State and third parties except as such controversy may affect the operation if the project.

ODNR has repeatedly sought to terminate or modify the agreement with the Government (although ODNR had not submitted any formal request to LRL for either termination or modification). In 2012, the LRL Commander met with ODNR and various Ohio Congressional and State legislature representatives on this matter. Members of Congress contacted LRL leadership in 2002, 2003, 2004, 2007, 2012 and 2017 on behalf of the City of Wilmington to express Wilmington's frustration with its cost burden. U.S. Rep. Steve Stivers and U.S. Sen. Sherrod Brown each wrote to USACE about this matter. Based on non-payment of bills from July 2018 and July 2019, the ODNR has been turned over to the treasury Offset Program.

### Congressional Interest:

SEN Sherrod Brown (OH)  
SEN Rob Portman (OH)



## Ohio and North Dakota Environmental Infrastructure Program



Tech Town Conceptual Design

### Current Phase:

Varies per project.

### Location and Description:

The State of Ohio.

The Section 594 Program is cost shared with a non-Federal sponsor and requires a local match of 25%. The Huntington District, Corps of Engineers is the overall program manager, with responsibility for project implementation assigned to the Pittsburgh, Huntington, and Louisville Districts, as determined by the location of the projects. Prior to design and/or construction of a Section 594 project, the Corps and the non-Federal sponsor enter into a Project Partnership Agreement outlining the project scope, cost, and responsibilities for implementation

### Authorization:

Section 594 of the Water Resources Development Act of 1999 (Public Law 106-53), as amended.

### Summarized Financial Data:

#### Design/Construction

Authorized Program Limit	\$60,000,000
FY21 Allocation	\$ 9,075,000

### Issues and Other Information:

None

### Louisville District Section 594 Projects:

- Tech Town, OH - Sewer Infrastructure Project - Design and construction of new and replacement sewer, water, and drainage systems in downtown Dayton, Ohio at a cost of \$4,391,467. The infrastructure will support a high-tech industrial site as part of Dayton's effort to revitalize downtown Dayton and the waterfront.
- University of Dayton, Brown and Stewart Streets Project, OH - The project consists of the design and construction of the water supply, wastewater, and surface drainage facilities for the proposed development at an estimated cost of \$6,576,000. Sponsor has proposed a change to the footprint of the project that will require a new PPA. A new Preliminary Engineering Report was received in February 2022.
- Preble County, OH – This project will consist of the design and construction of a new wastewater collection and treatment system. Estimated total project cost is \$1,366,666. PPA was executed on September 23, 2019. Property for the WWTP was acquired in October 2020, however outflow lot is still trying to be obtained. Team is working on EA/FONSI.
- Logan County, OH – The Lewistown Sewer System project was selected for FY19. The project consists of the design and construction of a new collection system to separate storm water and sanitary sewers in Lewistown. Total project cost estimated at \$1,333,333. PPA executed on September 17, 2019. The FONSI was signed in the Summer of 2021 and construction is scheduled to begin in Spring 2022.
- Madison County, OH – The Summerford Sanitary Sewer Collection project was selected for FY19. The project consists of the design and construction of a new collection system to separate storm water and sanitary sewers in Summerford. Total project cost estimated at \$1,333,333. PPA was executed on September 23, 2019. FONSI signed in September 2020. Team seeking concurrence with Ohio SHPO.
- Wayne Lakes, OH – The Village of Wayne Lakes was selected for FY20. Total project cost is \$1,325,925. The project will provide a new sanitary sewage collection system. The Project Partnership Agreement was signed on January 7, 2021. FONSI is expected 2nd quarter of FY22.
- Russells Point, OH – The Village of Russells Point was selected for FY20. Total project cost is \$1,325,925. The project will provide storm sewer improvements. The Project Partnership Agreement

was signed on May 26, 2021. FONSI is expected to be complete the 2nd Quarter of FY22.

- New Madison, OH – The Village of New Madison was selected for FY21. Total project cost is \$1,433,333. This project will assist in providing a new lift station and Wastewater Treatment Plant expansion which will also treat the Village of Wayne Lakes wastewater (5miles north) via force main. The Project Partnership Agreement was signed on September 22, 2021.

**Congressional Interest:**

SEN Sherrod Brown (OH)  
SEN Rob Portman (OH)  
REP Jim Jordan (OH)  
REP Warren Davidson (OH)  
REP Michael Turner (OH)





## Ohio River Locks and Dams Master Plan



*Robert C. Byrd Locks and Dam*

### **Current Phase:**

Regional Master Plan Update

### **Location and Description:**

The Regional Master Plan consists of the six locks and dams along the Ohio River including areas in West Virginia, Kentucky, and Ohio. The locations are listed below from east to west.

*Willow Island Locks and Dam* is located on the Ohio River, 161.7 miles downstream from Pittsburgh, PA, and 3.4 miles upstream from Waverly, WV.

*Belleville Locks and Dam* is located on the Ohio River at mile 204. Belleville Locks sit 203.9 miles below Pittsburgh, PA, and 0.5 miles below Belleville, WV.

*Racine Locks and Dam* is located on the Ohio River, 237.5 miles below Pittsburgh, PA and 1.5 miles downstream from Letart Falls, OH.

*Robert C. Byrd Locks and Dam* is located on the Ohio River, 279.2 miles below Pittsburgh, PA, and 9 miles below the City of Gallipolis, OH.

*Greenup Locks and Dam* is located on the Ohio River, 341.0 miles below Pittsburgh, PA, and 5.0 miles below Greenup, KY.

*Meldahl Locks and Dam* is located at mile 436 of the Ohio River in Felicity, Ohio. It is 436.2 miles below Pittsburgh, PA, and 1.7 miles below Chilo, OH.

The locks and dams operate under the authority of the River and Harbor Act of 3 March 1909, Sixtieth Congress, 2nd Session.

The purpose of the locks and dams is to create a series of steps which river tows and other boats either climb or descend as they travel upstream or downstream. Additionally, the locks and dams provide the opportunity for public recreation and wildlife and vegetative habitats. Belleville and Greenup are also equipped with privately-owned hydroelectric plants.

### **Summarized Financial Data:**

	<b><u>Master Plan</u></b>
Estimated Federal Cost	\$450,000
Estimated Non-Federal Cost	\$0
Total Estimated Project Cost	\$450,000
Allocation thru FY21	\$450,000
Balance to Complete after FY21	\$0
FY22 Final Appropriation	TBD
FY22 Allocation (thru JAN 2022)	\$0
FY23 President's Budget	TBD

### **Authorization:**

River and Harbor Act of 3 March 1909, Sixtieth Congress, 2nd Session. Flood Control Act of 1944 and amendments.

### **FY21 Activities:**

The Louisville (LRL) and Huntington (LRH) Districts worked together to complete all site visits, background information, public scoping, and draft resource objectives.

### **FY22 Planned Activities:**

Complete draft report and public review. Address public comments and finalize the report. The Master Plan is scheduled for completion in June 2022.

### **Issues and Other Information:**

None.

### **Congressional Interest:**

Greenup – Mitch McConnell (KY), Rand Paul (KY), Sherrod Brown (OH), Rob Portman, (OH), Thomas Massie (KY-4), Hal Rogers (KY-5), Bill Johnson (OH-6)

Meldahl – Sherrod Brown (OH), Rob Portman, (OH), Mitch McConnell (KY), Rand Paul (KY), Brad Wenstrup (OH-2), Thomas Massie (KY-4)

RC Byrd – Joe Manchin (WV), Shelley Moore Capito (WV), Sherrod Brown (OH), Rob Portman, (OH), Carol Miller (WV-3), Bill Johnson (OH-6)

Willow Island – Sherrod Brown (OH), Rob Portman, (OH), Joe Manchin (WV), Shelley Moore Capito (WV), Bill Johnson (OH-6), David McKinley (WV-1)

Racine – Joe Manchin (WV), Shelley Moore Capito (WV), Sherrod Brown (OH), Rob Portman, (OH), Bill Johnson (OH-6), Carol Miller (WV-3)

Belleville – Joe Manchin (WV), Shelley Moore Capito (WV), Sherrod Brown (OH), Rob Portman, (OH), David McKinley (WV-1), Alexander Mooney (WV-2), Bill Johnson (OH-6)



**Ohio River Valley Sanitary Commission  
Development of a Basin-Wide Strategic Plan**



States joined in the Ohio River Valley Sanitary Commission compact formed in 1948

**Current Phase:**

Planning Assistance to States (PAS) Study

**Location and Description:**

This study will be a collaborative effort to create an actionable plan that will prioritize regional goals and objectives for general improvements in economic health, ecological well-being, and quality of life for residents throughout the Basin.

**Authorization:**

Section 22(a) (1) of the Water Resources Development Act of 1974 (Public Law 93-251), as amended.

**FY21 Activities:**

Released the Final Report to the non-federal sponsor, stakeholders, the public, and Congressional interests. Phase I was completed. Scoped and implemented Phase II.

**Summarized Financial Data:**

	<b><u>Study</u></b>
Estimated Federal Cost	\$200,000
Estimated Non-Federal Cost	\$200,000
Total Estimated Project Cost	\$400,000
Allocation thru FY21	\$200,000
Balance to Complete after FY21	\$0
FY22 Final Appropriation	TBD
FY22 Allocation (thru Jan 2022)	\$0
FY23 President's Budget	TBD

**FY22 Planned Activities:**

Closeout of three Phase II projects.

**Issues and Other Information:**

Excess funds from Phase I were used to implement the Phase II project which entails three smaller reports: a data management plan, a long-term water resource plan, and a water trail plan.

**Congressional Interest:**

All Congressional Members in Kentucky, Indiana, Ohio, and Illinois



## **Dam Safety, Ohio**

### **Ohio Dams - Special Studies**



*Caesar Creek Lake Dam, OH*

#### **Current Phase:** Study

#### **Project Location:**

Caesar Creek Lake Dam, C.J. Brown Lake Dam, W.H. Harsha Lake Dam, and West Fork Lake Dam (See below for site specific information)

#### **Study and Program Information:**

During normal operations, these dams are routinely inspected daily, weekly, and monthly by USACE Operations staff and annually by Louisville District Dam Safety staff. The dam also receives a comprehensive inspection every five years by a multi-discipline team of Louisville District engineers.

The USACE has instituted a “risk informed” dam safety program. The initial step was conducting a Screening Portfolio Risk Assessment (SPRA). A team of engineers conducted a screening level review of the dam’s construction, performance history, and instrumentation to evaluate current dam behavior, as well as economic consequences and the population at risk of potential dam failure. After the initial screening, the risk is re-evaluated every ten years as part of a routine Periodic Assessment (PA) in conjunction with the 5 year comprehensive site inspection. The findings are reviewed by the Dam Senior Oversight Group (DSOG) and a Dam Safety Action Classification (DSAC) rating is assigned based upon confirmed or unconfirmed dam safety issues and the combination of life or economic consequences should failure occur. The DSAC ratings are used to prioritize further study to confirm the proposed dam safety issues. If the DSAC rating is 1 through 3, an Interim Risk Reduction Measures (IRRM) Plan is established while further investigations are conducted and/or remedial actions are implemented as necessary.

#### **Summarized Financial Data:**

The Dam Safety Special Studies are part of a national program with funds distributed by the Corps of Engineers (USACE) Headquarters Dam Safety Office on a priority basis.

The first study phase is an Issue Evaluation Study (IES) which confirms the dam safety issue. Should more information be necessary to confirm the issues, an IES Phase II study may be undertaken to gather the necessary data to reduce the uncertainty. The results of these studies are presented to the USACE Risk Management Center (RMC) and the DSOG. The results may indicate the need to progress to the next phase of study or reduce the DSAC rating for the dam. If the case is made that the dam is in need of remedial construction then the project moves to the Dam Safety Modification Report (DSMR). The DSMR analyzes potential remedial construction elements to determine the best “fix” to reduce the overall project risk. These studies and remedial construction are prioritized based upon the relative risk estimates at each stage to best make use of the available funding and resources.

#### **Congressional Interests:**

SEN Rob Portman (OH)  
SEN Sherrod Brown (OH)



**Individual Project Status:**

**Caesar Creek Lake Dam, OH**

- \* SPRA (Screening for Portfolio Risk Analysis): 2008
- \* DSAC (Dam Safety Action Classification) Rating: Class 3
- \* IRRMP (Interim Risk Reduction Measures Plan): Completed 9 April 2009
- \* IES (Issue Evaluation Study): In the queue for study. The IES Report will address concerns with unacceptable foundation conditions and associated seepage in order to remove uncertainty and lower project risk. This will determine if the work needs to continue to complete a full Dam Safety Modification Report (DSMR).
- \* FY2022 Planned Activities: Routine O&M surveillance and monitoring program.

**C.J. Brown Lake Dam, OH**

- \* SPRA (Screening for Portfolio Risk Analysis): 2009
- \* DSAC (Dam Safety Action Classification) Rating: Class 4
- \* IRRMP (Interim Risk Reduction Measures Plan): N/A since it is DSAC 4
- \* IES (Issue Evaluation Study): Not required since it is a DSAC 4
- \* FY2022 Planned Activities: Routine O&M surveillance and monitoring program.

**W.H. Harsha Lake Dam, OH**

- \* SPRA (Screening for Portfolio Risk Analysis): 2009
- \* DSAC (Dam Safety Action Classification) Rating: Class 3
- \* IRRMP (Interim Risk Reduction Measures Plan): Completed 24 February 2018.
- \* IES (Issue Evaluation Study): In the queue for study. The IES Report will address concerns with unacceptable foundation conditions and associated seepage in order to remove uncertainty and lower project risk. This will determine if the work needs to continue to complete a full Dam Safety Modification Report (DSMR).
- \* FY2022 Planned Activities: Routine O&M surveillance and monitoring program.

**West Fork Lake Dam, OH**

- \* SPRA (Screening for Portfolio Risk Analysis): 2008
- \* DSAC (Dam Safety Action Classification) Rating: Class 3
- \* IRRMP (Interim Risk Reduction Measures Plan): Completed 17 April 2009
- \* IES (Issue Evaluation Study): Not started. The IES Report will address concerns with unacceptable foundation conditions and associated seepage in order to remove uncertainty and lower project risk. This will determine if the work needs to continue to complete a full Dam Safety Modification Report (DSMR).
- \* FY2022 Planned Activities: Routine O&M surveillance and monitoring program.





# OLMSTED LOCKS AND DAM PROJECT

As of: 9 March 2022

**U.S. ARMY CORPS OF ENGINEERS**

**BUILDING STRONG®**

**Official Title:** Locks and Dam 52 and 53 Replacement Project (Olmsted Locks and Dam), IL and KY

**Location:** The project is located near Olmsted, IL near Ohio River Mile 964.4.

**Purpose:** Construct the new Olmsted Locks and Dam to replace Ohio River Locks and Dams 52 & 53. Demolish Locks and Dams 52 & 53 once Olmsted is operational.

**Project Description and Background:** 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.

**Current Status and Outstanding Issues:** Early operation of Olmsted and unseasonably high river elevations from Sept 2018 to Aug 2019 impacted the ability to complete all remaining work on the Dam as scheduled. The Dam contract is now complete with all work done and the contractor has demobilized from the site.

The two 110' X 1200' locks and approach walls are complete. All damming surfaces to include left boat abutment, right boat abutment, 5 Tainter gates, fixed weir on the Kentucky bank, and all twelve navigable pass shells containing wickets are complete and operable. In addition, the following project components have also been completed; Harbor Access, Resident Office Conversion (Pole Barns), Refurbish Bulkheads, Locks & Dams 52 and 53 Landside Demo and Final Site Restoration.



Work currently under contract: Z-Drive Workboat 65% complete, Locks & Dam 52 Marine Demo 80% complete, Locks & Dam 53 Marine Phase II 35% complete and Historic Book 20% complete.

Remaining work to complete the project (Maintenance crane and Floating Mooring Bit Extensions) are progressing through design with procurement scheduled for 3rd Qtr. FY22.

**Summarized Financial Data:**

2012 PACR	\$3,099,000,000
2018 Total Estimated Project Cost (NWW certified)	\$2,867,296,000
Estimated Federal Cost	\$1,856,981,000
Estimated Inland Waterways Trust Fund Cost	\$1,010,315,000
Allocation thru FY21 including ARRA allocation thru 30 Sept 15	\$2,853,402,000
Benefit to Cost Ratio (at 7%)	1.98
Non-Federal Sponsor	N/A

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 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. As of 30 Sep 2021, \$2.725B has been expended on the project. The most recent (2018) economic update forecast annual average benefits at \$236M. PACR annual benefits were calculated at \$640M.

**Upcoming Actions:** 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 prosecute completion of remaining work and to complete the project ahead of the Cost Scheduled Risk Analysis date of 2026.

**HQs POC:** Ryan Fisher, CECW-LRD, 202-761-1379





Olmsted Locks and Dam November 2019