

The Upper Mississippi Inland Waterway (UMIW), managed by the US Army Corps of Engineers (USACE), is a vital part of our national inland navigation system and the Midwest economy; and also serves as a valuable ecological resource. The wear and tear of 80+ years of traffic, barge impacts, freeze/thaw cycles; and recurrent flooding has taken a toll on the UMIW in the form of steady deterioration of locks and dams. Lock operating machinery and electrical components become outdated with no available replacement parts as the end of their design life approaches; thousands of cycles of lock and dam gate loadings fatigue the strength of the steel gates; freezing, thawing, and barge strikes deteriorate concrete to unacceptably unsafe conditions; and the underlying foundation components that support the locks and dams are demonstrating increasing levels of unreliable performance. Lock and dam maintenance projects have slowed the rate of unscheduled outages; however, the system continues to have increased risks of major service interruptions if the underlying deficiencies are not addressed by Major Rehabilitation projects.



## FUNDING

USACE programs and projects, including Inland Navigation, are funded through the annual federal appropriations process. Three of USACE's budget accounts fund inland navigation civil works activities for waterways such as the UMIW.

### GENERAL INVESTIGATIONS ACCOUNT

Funds planning and feasibility studies for new construction with studies undertaken to determine the need, engineering feasibility, cost, economic benefits, and environmental and cultural compliance of potential new projects, such as the addition of 1,200-foot locks.

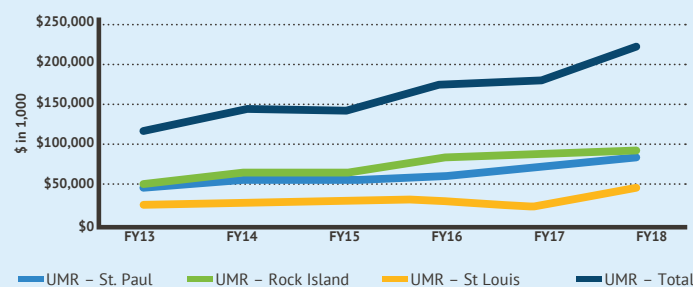
### CONSTRUCTION GENERAL ACCOUNT

Funds the engineering, design, construction, and construction management activities for new civil works projects such as 1,200-foot locks and Major Rehabilitation of the existing locks and dams.

### OPERATIONS AND MAINTENANCE ACCOUNT

Funds address the ongoing operation and the maintenance activities of existing projects, such as the daily lock and dam operations, utility costs, channel dredging, and component repairs under USACE's Major Maintenance program.

**UMIW OPERATIONS AND MAINTENANCE FUNDING, FY13 - FY18**






For the past six years, no General Investigations funding has been appropriated for UMIW or Illinois Waterways (IWW) navigation planning projects. Additionally, no Construction General funding has been appropriated for the past six years on the UMIW.

The 2007 Water Resources Development Act authorized seven 1,200-foot locks to be added at UMIW Locks 20-25, and IWW Peoria and LaGrange Locks. With no Construction General appropriations, no progress has been made on implementing these locks.




# PRIORITY PROJECTS

The Iowa Department of Transportation's 2013 *U.S. Inland Waterway Modernization Reconnaissance Study* listed a number of priority UMIW improvement projects in the Rock Island and St. Paul Districts. Priority projects identified in the 2013 Reconnaissance Study and their current status is listed below.

## ROCK ISLAND DISTRICT PRIORITY NAVIGATION PROJECTS IN 2013

 Work / Project	 Funding Account	 Status (as of March 2018)
UMR Lock Miter Gates at three Locks	O&M	Funded – Completed
UMR Bulkhead Slots at seven Locks	O&M	Funded – Completed
UMR Dam 18 – Concrete Repairs	O&M	Funded – Under Contract
UMR Lock 19 – Concrete Repairs	O&M	Not Funded
UMR L&D 15, 21 & 22 – Dam Gate Repairs	O&M	Partially Funded – Dam 22 Under Contract, Dams 15 & 21 in Design
IWW LaGrange Lock – Major Rehab	CG/IWTF	Potential for FY18 Work Plan
IWW LaGrange Lock – Major Maintenance	O&M	Potential for FY18 Work Plan
IWW LaGrange Lock – Replace Miter Gates	O&M	Funded – Completed
IWW Peoria Lock – Replace Miter Gates	O&M	Funded – Completed
IWW – Joliet Channel Wall Repairs	O&M	Not Funded
IWW Dresden Dam – Replace Gates	O&M	Funded – Under Contract
IWW O'Brien Lock – Major Maintenance	O&M	Funded – Completed
IWW O'Brien Lock – Major Rehab	CG/IWTF	Not Funded

## ST. PAUL DISTRICT PRIORITY NAVIGATION PROJECTS IN 2013

 Work / Project	 Funding Account	 Status (as of March 2018)
UMR Lock & Dam 9 – Winter Maintenance	O&M	Funded – Completed
UMR Lock & Dam 1 – Dam Scour Repair	O&M	Funded – Under Contract
UMR Locks 4 & 6 – Tow Haulage Repair	O&M	Funded – Under Contract
UMR Dams 8, 9 & 10 – Pier House Roofs	O&M	Funded – Completed
USAF & USLF – Electrical Repair	O&M	Funded – Completed
UMR Locks & Dams 3-10 – Permanent Bulkheads for Aux Chamber	O&M	L&D 7 Funded – Completed
L&D 2 & 5 Funded	O&M	Potential for FY18 Work Plan
UMR Dams 3, 5A & 10 – Dam Bulkhead Repairs & Painting	O&M	Not Funded
UMR Dam 5 – Dam Gates Painting	O&M	Not Funded
UMR Lock 2 – Miter Gate Replacement	O&M	Funded – Under Contract
UMR Dam 5A – Dam Painting	O&M	Not Funded
UMR Lock and Dam 4 – Concrete Repairs	O&M	Funded – Completed
UMR Lock 7 – Guidewall Crib Repairs	O&M	Funded – Completed