

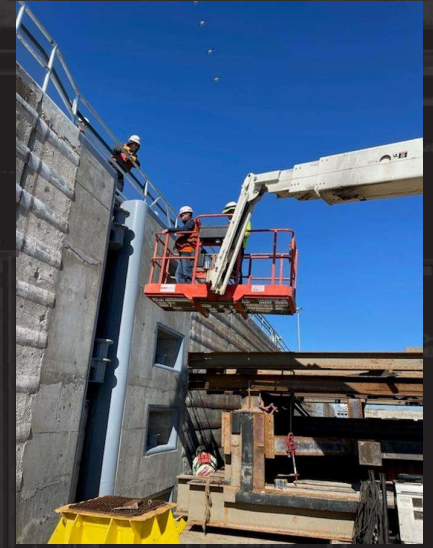
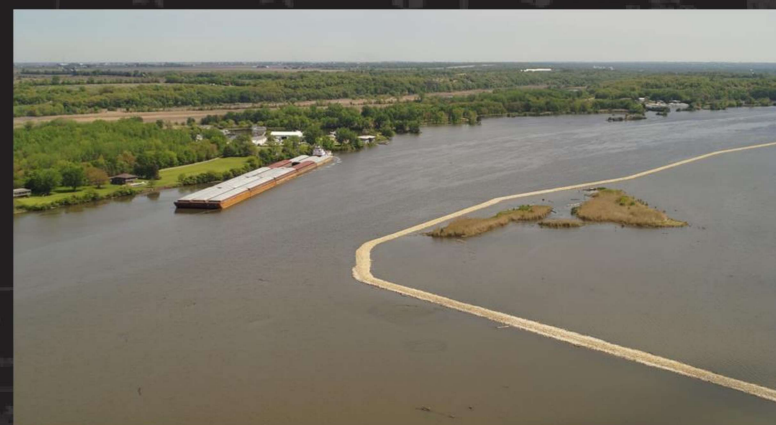
# NAVIGATION AND ECOSYSTEM SUSTAINABILITY PROGRAM (NESP)

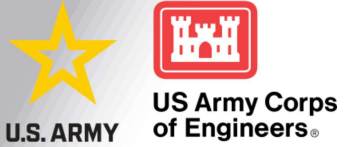
UMRBA Quarterly Meeting  
21 May 2024

Andrew Goodall, P.E., PMP  
NESP Regional Program  
Manager  
USACE Rock Island District

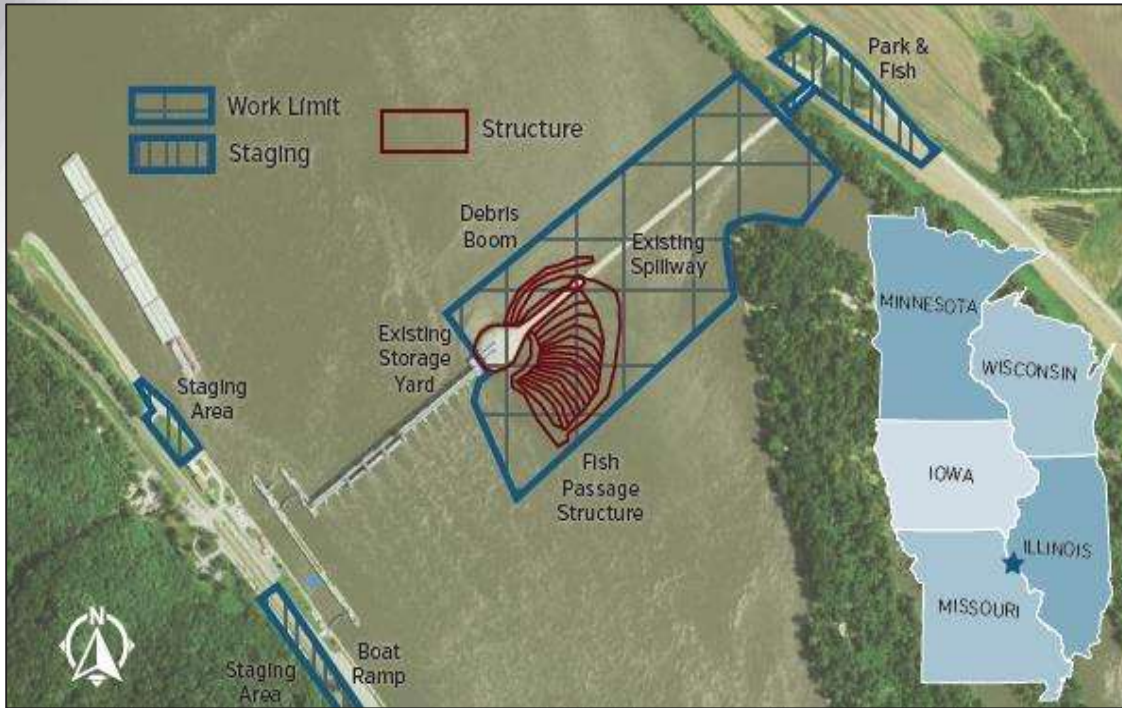


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# LOCK AND DAM 22 FISH PASSAGE



## DESIGN

- 100% design complete.

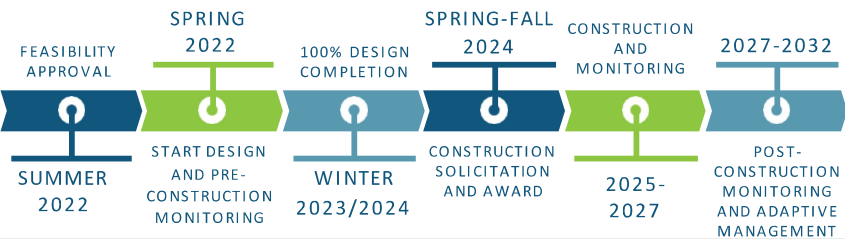
## CONSTRUCTION

- Contract solicitation in MAY 2024

## ADAPTIVE MANAGEMENT

- Pre-construction monitoring ongoing

### PROJECT SCHEDULE



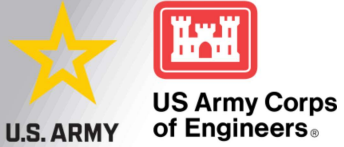
### OBJECTIVES

- 1** Provide habitat benefits for over 30 fish species
- 2** Restore natural connection between pools
- 3** Increase migration capabilities for native fish species
- 4** Provide spawning habitat for fish

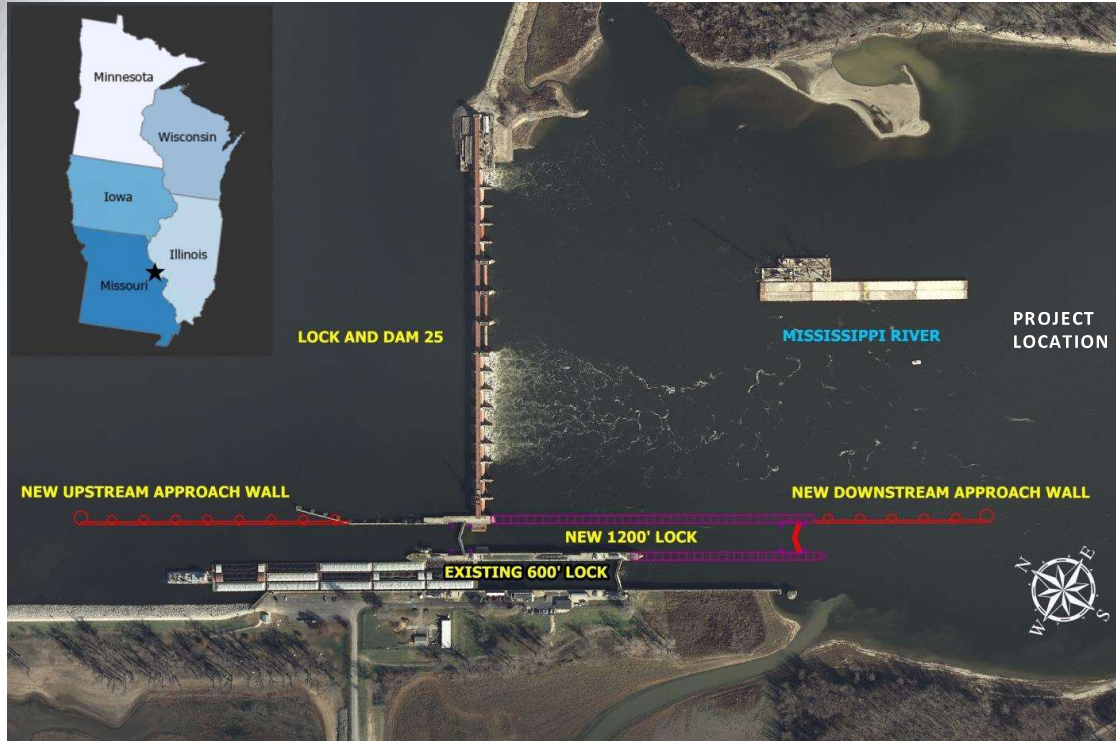
### PROGRAM PARTNERS







# LOCK 25 NEW 1200' LOCK

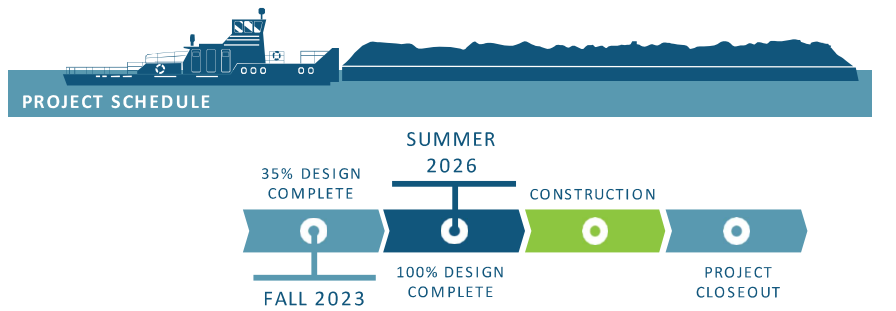


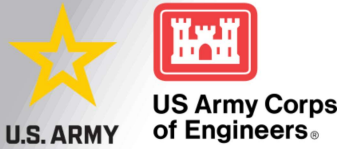
## DESIGN

- 100% design scheduled to be complete in JUN 2026

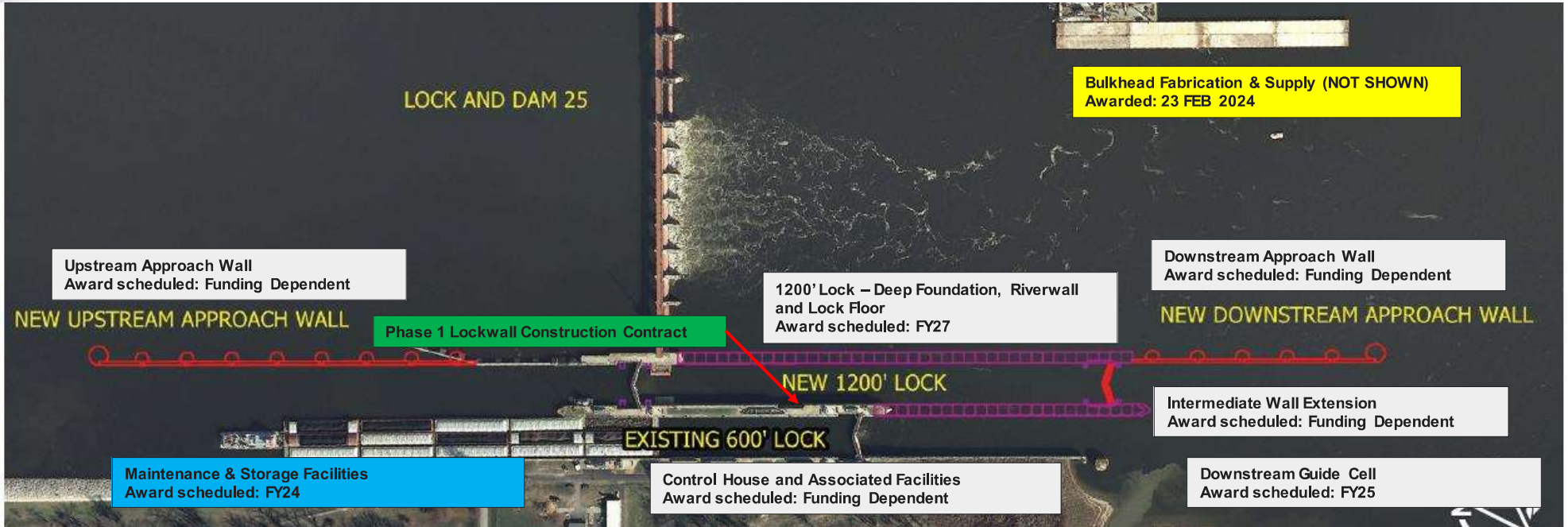
## CONSTRUCTION

- Phase 1 contract complete
- Bulkhead fabrication contract underway





# LOCK 25 NEW 1200' LOCK

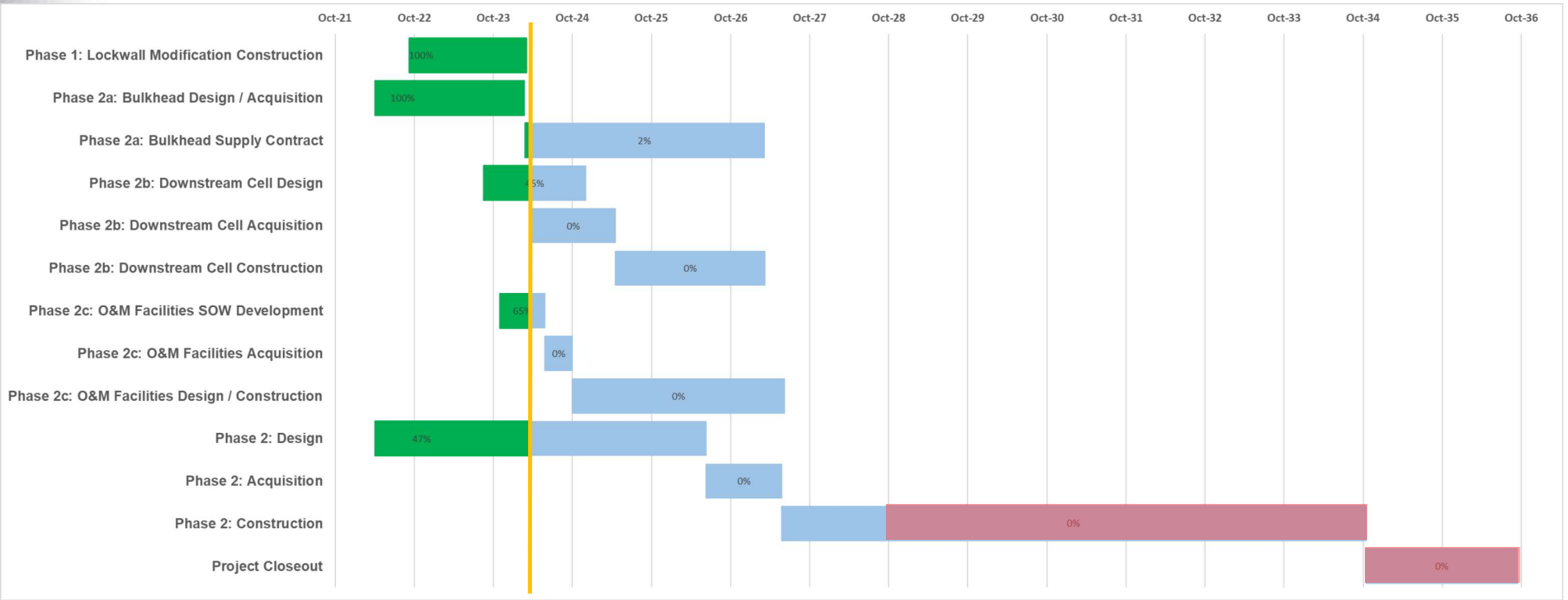


### Contract Legend

Completed
Current
Upcoming
Future

\*Timelines assume full/efficient funding.

# LOCK 25 NEW 1200' LOCK



WE ARE HERE

### Schedule comments:

- Out years for Phase 2 construction are highly dependent on funding. Various funding scenarios have been developed.
- Phase 2a, 2b, & 2c fully funded through construction.
- All phases fully funded through design.
- Red is unfunded work



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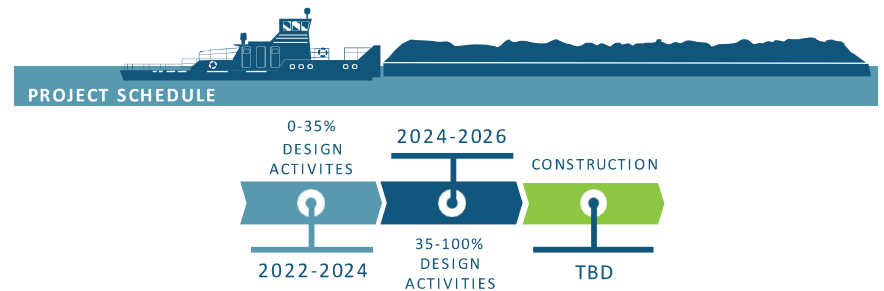
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# LAGRANGE NEW 1200' LOCK



## DESIGN

- Project design (35% design phase)
- Physical model coordination with navigation industry ongoing







# LAGRANGE NEW 1200' LOCK

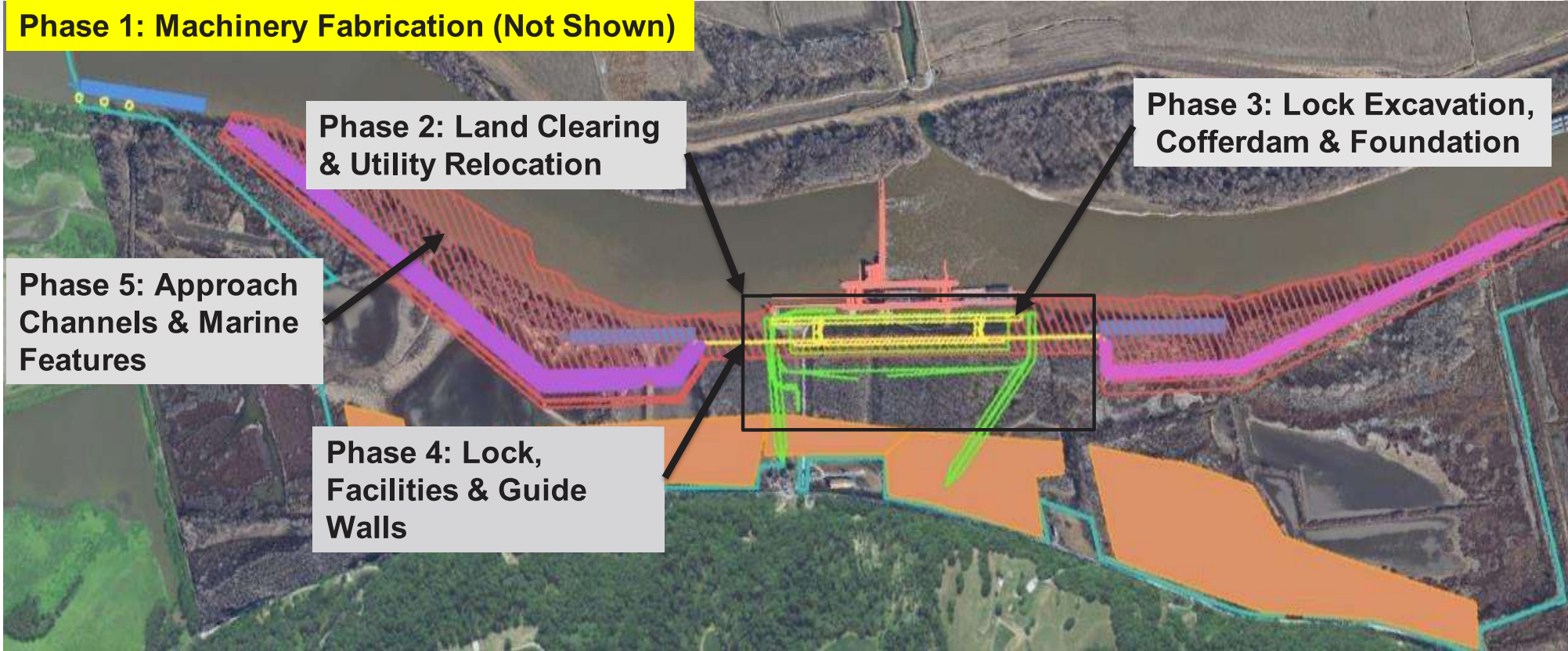
**Phase 1: Machinery Fabrication (Not Shown)**

**Phase 2: Land Clearing & Utility Relocation**

**Phase 3: Lock Excavation, Cofferdam & Foundation**

**Phase 5: Approach Channels & Marine Features**

**Phase 4: Lock, Facilities & Guide Walls**



Completed
Current
Future

Contract Legend



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## NAVIGATION AND ECOSYSTEM SUSTAINABILITY PROGRAM (NESP)

ST. PAUL DISTRICT- ROCK ISLAND DISTRICT - ST. LOUIS DISTRICT

### NAVIGATION AND ECOSYSTEM PROJECTS

The Navigation and Ecosystem Sustainability Program (NESP) is a long-term, dual-purpose program that integrates navigation improvements and ecosystem restoration together to provide Upper Mississippi River System once in a generation-type positive impacts.

The primary goals of the program are to increase the capacity and improve the reliability of the inland navigation system while restoring, protecting, and enhancing the environment.

This map only shows projects actively being implemented. NESP includes an additional 5 - 1,200-foot locks, systemic mitigation, and hundreds of ecosystem restoration projects.

CONSTRUCTION COMPLETE		CONSTRUCTION/AE DESIGN SERVICE CONTRACT AWARDS	
1	Pool 2 Wingdam Notching	9	Andalusia Island Complex Planning
ONGOING CONSTRUCTION		ONGOING DESIGN	
2	Pool 4 Island System Mitigation	14	LaGrange New 1,200-Foot Lock Design
8	Lock 14 Mooring Cell	17	Lock and Dam 22 Fish Passage
10	Starved Rock Breakwater	Mooring Facilities	
16	Moore's Towhead System Mitigation		
19	Alton Pools Islands - Island Protection		
20	Twin Island Protection and Enhancement		
24	Lock 25 New 1200-Foot Lock		
ONGOING PROJECT PLANNING			
3	Wacouta Bay	21	Clarkville/Carroll Island Side Channel
4	Johnson Island	22	Hausgen Island Side Channel
6	Sny Magill, Effigy Mounds National Monument	25	MMR - NWR - Horse Island
7	Sabula Lakes	26	Middle Mississippi River Stone Dike Alterations Phase 1
12	Liverpool Flowing Side Channel		Water Level Management - Reduce Water Level Fluctuations
13	Lee County Islands and Backwaters		
18	Pool 24 Island Restoration - Denmark and Drift Islands Complex		
SYSTEMIC FOREST MANAGEMENT			
5	Pool 8 Goose Island Invasive Control	15	Pool 21 Long Island Forest Inventory
11	Pools 17 and 18 Forest Inventory	23	Pool 26 Cuivre Island Tree Planting

NESP PARTNERS



<https://www.mvr.usace.army.mil/Rock-Island-District/Programs/NESP/>







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# FY24 ONGOING PRIORITIES

9

## Navigation

- Mooring cell (8) construction
- LaGrange initial construction contract (machinery fabrication)

## Ecosystem

- Lock and Dam 22 Fish Passage construction contract award
- Reach based planning
- Continued project planning and design to include 13 ongoing ecosystem projects, water level management, and forest management.
- Partner funding
- Programmatic Activities



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# FY25 PRIORITIES

## Navigation

- Lock 25 new 1200' lock design
- LaGrange new 1200' lock design and construction
- Construction of mooring facilities

## Ecosystem

- Construction of 5-6 ecosystem projects
- Reach-based planning
- Continued project planning and design to include 13 ongoing ecosystem projects, water level management, and forest management
- Partner funding
- Data acquisition