

# NESP MISS RIVER LOCK 25 NEW 1200-FOOT LOCK & IWW LAGRANGE 1200-FOOT LOCK

## INLAND WATERWAYS USERS BOARD MEETING NO. 98

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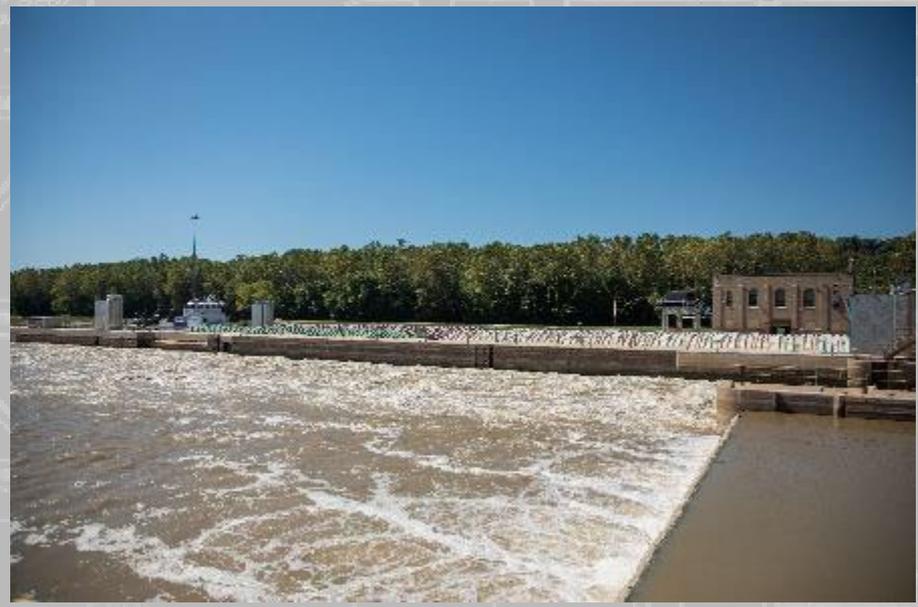
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1 December 2022

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# MISSISSIPPI RIVER LOCK 25 NEW 1200' LOCK: PROJECT OVERVIEW OF SCOPE



Project consist of design and construction of a new pilke-founded 1200' lock chamber, which includes construction of:

- A new 1200' of riverwall
- A new 1200' upstream guidewall
- A new 600' downstream guidewall
- A new 600' extension of the intermediate wall
- A new lock floor
- A new control house and associated facilities





# MISSISSIPPI RIVER LOCK 25 NEW 1200' LOCK: BLUF STATUS - SUMMARY DASHBOARD



## PROJECT SAFETY



*USACE Safety stats TBD*

## PROJECT STATUS SUMMARY



*Schedule:*

*Schedule in development*

*Next Major Contract Award(s):*

- Spring 2024 – Phase 2 ECI-IDaC

## FINANCIAL STATUS SUMMARY



*Financial Status Summary TBD*

## EXECUTIVE SUMMARY:

- Seeking Acquisition Plan Approval
  - Utilize Early Contractor Involvement (ECI)
  - Award base contract in Spring 2024
- PDT working on 35% Design Phase, scheduled for May 2023
- Advancing design of bulkhead supply contract
- Working alteration/relocation of MO State Highway N
- Leveraging ERDC and Nav Industry partners with Ship Simulator



# MISSISSIPPI RIVER LOCK 25 NEW 1200' LOCK: KEY ACTIVITIES SUMMARY



#	Major Activities	Date Awarded	Last Reported Completion	Current Est.	Option Expires	% Complete
1	Lockwall Modification Contract	6 Sep 2022	13 Dec 2023	13 Dec 2023	N/A	0%
2	Bulkhead Supply Contract Award	[TBD]	[TBD]	[TBD]	[TBD]	[TBD]
3	HWY N Agreement Execution	[TBD]	[TBD]	[TBD]	[TBD]	[TBD]
4	ECI IDaC Contract – Preconstruction Phase	[TBD]	[TBD]	[TBD]	[TBD]	[TBD]
5	ECI IDaC Contract – Construction Phase	[TBD]	[TBD]	[TBD]	[TBD]	[TBD]

## Commentary:

- Bulkhead design and supply contract effort being worked in parallel.
- Highway N is a road alteration that is required by the project, which will be completed by Missouri Department of Transportation (MoDOT).
- ECI IDaC Contract– Construction Phase: team determining contract options/early work packages.





# MISSISSIPPI RIVER LOCK 25 NEW 1200' LOCK: FUNDING SUMMARY



## FUNDING OVERVIEW:

- Funded \$732 million via the Bipartisan Infrastructure Law (BIL) – 100% Federal CG
- Allocated: \$22,049,437.58
- Obligated/Executed: \$15,093,360.27

## COMMENTARY:

- NSTR

## FISCAL YEAR FUNDING CAPABILITIES:

- Cost update ongoing
- Targeting a certified total project cost in winter of FY23





# MISSISSIPPI RIVER LOCK 25 NEW 1200' LOCK: PROJECT DETAILS – PROGRESS AND CHALLENGES



- **Progress:** Phase 1 Lockwall Construction Contract
  - Awarded 6 September 2022
  - Notice to Proceed Issued 19 October 2022
  - ~\$10.1M Firm Fixed Price Contract
  - 14-month period of performance
- **Challenge:** Minimize impacts to navigation industry during lock construction
- **Mitigation Strategies:**
  - Early Contractor Involvement (ECI) will allow proper coordination between USACE, Navigation, and Construction Industry
  - Continued Navigation and Construction industry collaboration to inform intermediate wall design and operational capabilities
- **Challenge:** Construction Market Inflation and Labor/Material Availability
- **Primary Mitigation Strategy:** Early Contractor Involvement will allow proper coordination between USACE, Navigation, and Construction Industry



# ILLINOIS WATERWAY LAGRANGE NEW 1200' LOCK



- Architect/Engineer design contract awarded to Stanley Consultants in FY22. Primary tasks include:
  - Geotechnical investigations
  - Initial lock design
  - Hydraulic modeling
  - Aerial/site surveys
  - Cultural surveys
  - Real estate rights of entry
  - HTRW analyses
  - Physical model updates (Engineer Research and Development Center)



# THANK YOU

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