

# MKARNS 12-FOOT CHANNEL

## INLAND WATERWAYS USERS BOARD MEETING NO. 99

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**Little Rock District (SWL)**  
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# ***MKARNS 12-FOOT CHANNEL- OVERVIEW***



**Authorization:** Section 136 of the Energy and Water Development Appropriations Act of 2004, authorized a project depth of 12 feet.

NOTE: The authorization language did not contain a cost limitation.

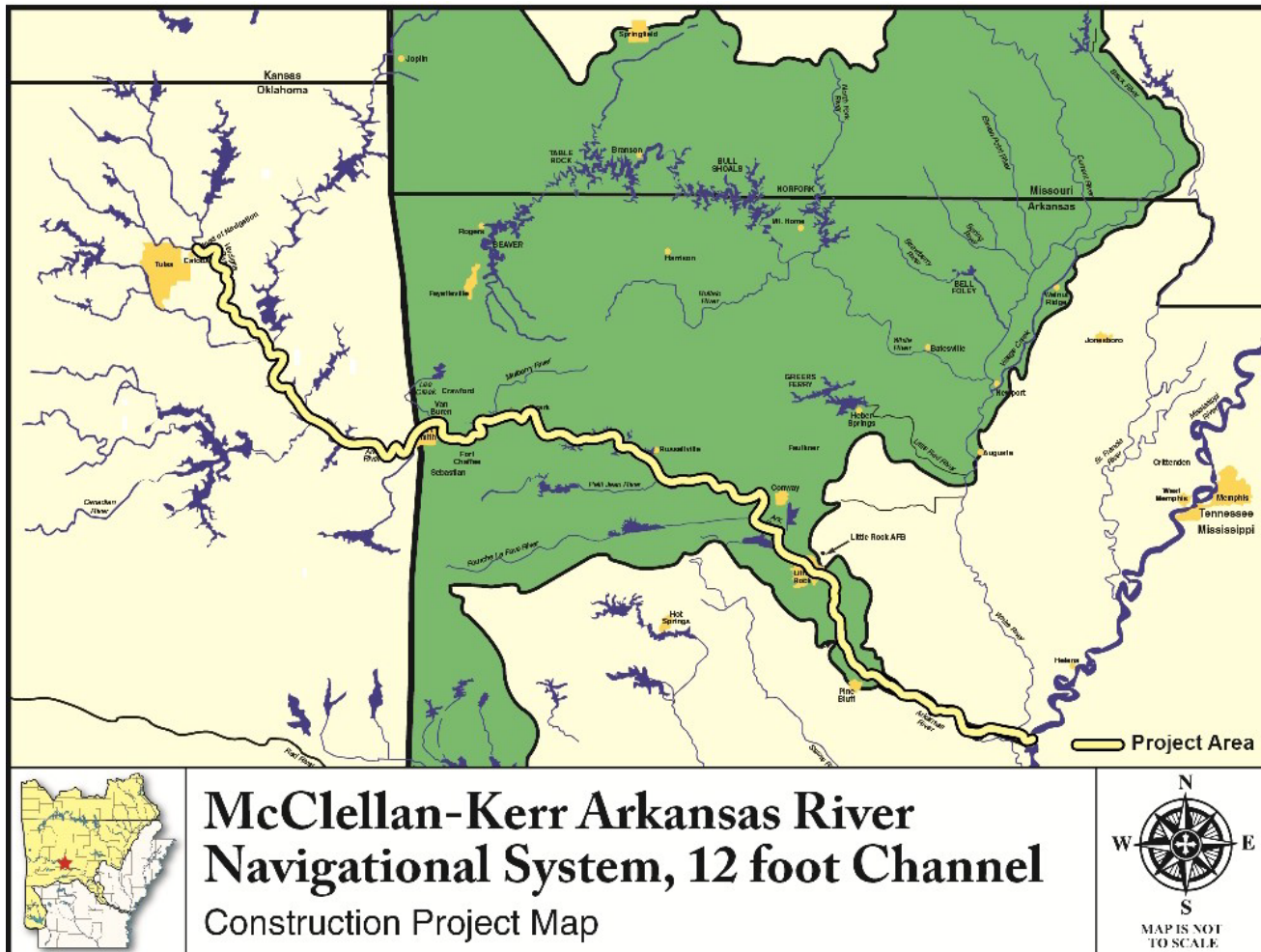
**Purpose/Description:** The 445-mile-long McClellan-Kerr Arkansas River Navigation System (MKARNS) consists of 18 locks and dams and provides 9-foot depth inland navigation from the Mississippi River to Catoosa, Oklahoma. The project would deepen the navigation channel to a minimum depth of 12 feet throughout the MKARNS.

**Schedule:** Post Authorization Change Report/ Validation Study scheduled to be completed in April 2024. Tentative completion in 2035, considering adaptive approach and potential funding gaps.

**Cost:** Feasibility quantities are being updated to provide an updated certified cost. Anticipated completion is November 2023. Anticipating a significant increase over feasibility costs.



# MKARNS 12-FOOT CHANNEL - SCOPE



- Deepen the navigation channel to a minimum depth of 12 feet throughout the MKARNS
- Structures, dredging, and minor modifications to locks are required.



# MKARNS 12-FOOT CHANNEL – BLUF STATUS / DASHBOARD



## PROJECT SAFETY



*Construction has not begun.*

## PROJECT STATUS SUMMARY



<b>Schedule:</b>	<u>Original</u>	<u>Last</u>	<u>Current</u>
Operational	TBD	NA	TBD
Completion	TBD	NA	TBD
<b>Next Major Contract Award:</b>			
FY25			

## FINANCIAL STATUS SUMMARY



*Construction has not begun. Working on updated Certified Cost. Anticipating significant increase due to river conditions and market condition changes since 2005 feasibility.*

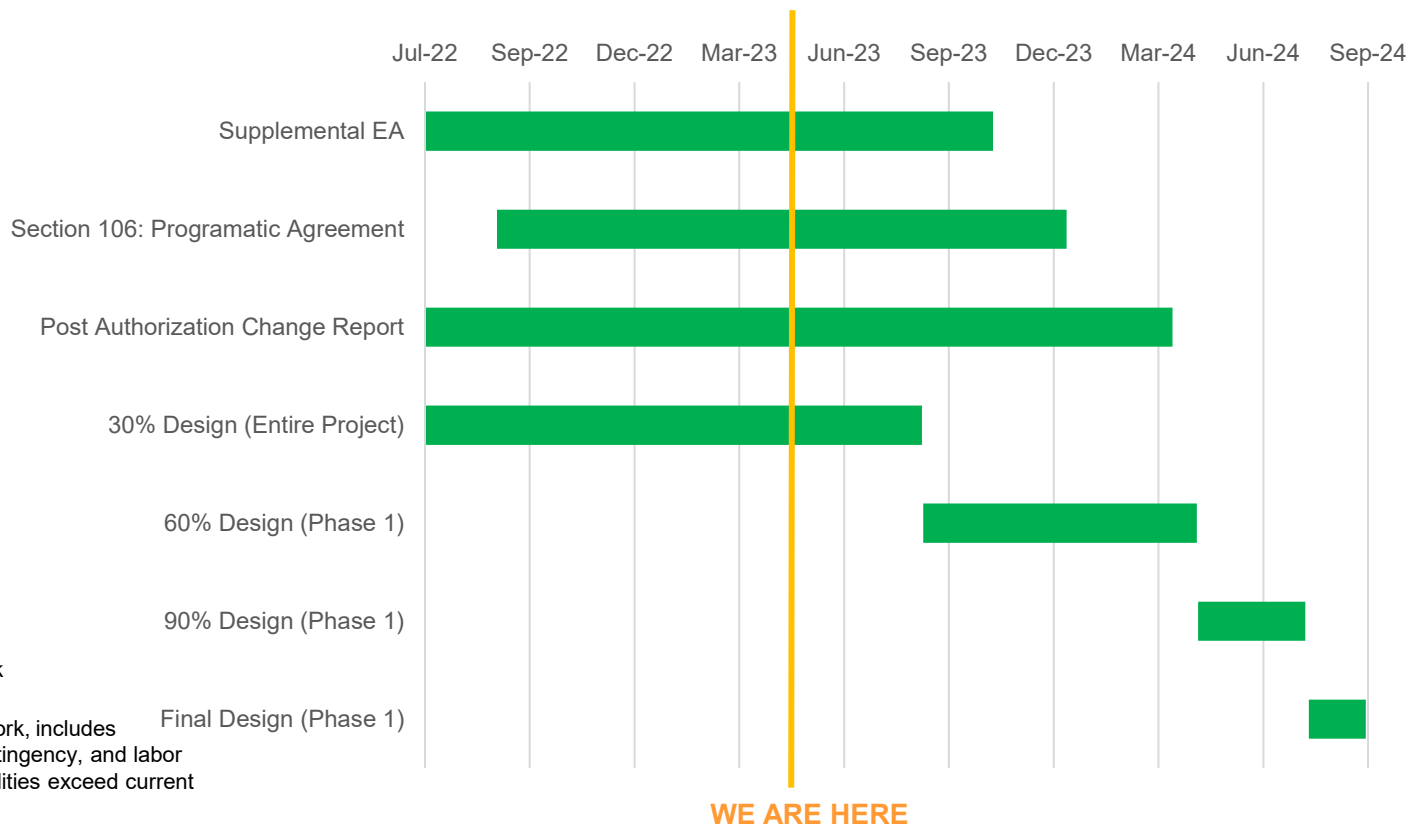
## EXECUTIVE SUMMARY:

- FY04 Project Authorized to 12-Feet
- FY05 Director's Report Signed
- FY06-FY11 O&M Appropriations received to begin Construction on Project
- FY21-FY22 Received \$674,000 (Investigations Account)
  - Provisional feasibility-level Cost Estimate and economics update (Mar 2022)
  - Planned the Supplemental NEPA effort
- FY22 BIL Allocated \$92.6M (Construction Account)
  - Initiate Project Planning and Pre-Construction Engineering and Design (On-Going)
  - Supplemental EA (Nov 2023)
  - Updated Certified Cost (Nov 2023) – anticipating significant cost Increase
  - Post Authorization Change Report (Apr 2024)
- FY23 Earmark provided \$10M (65%/35% Split)
- Current funding is sufficient through FY25



# MKARNS 12-FOOT CHANNEL – SCHEDULE & FUNDING

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## Schedule comments:

- Adaptive design approach requires evaluation of the performance of previously constructed structures (currently anticipate 4 phases).
  - Phase 1 is planned to include construction of river structures on Pools 5&8 and upland dredge disposal areas on government owned land.
- Full schedule is currently estimated to complete in 2035 (schedule will be solidified with Post Authorization Change Report submission).
- PED activities in the schedule above include full project H&H modeling, 30% (concept) design and certified cost estimate as well as Phase 1 design.
- Completion of Phase 1 and design/construction of subsequent phases will require additional funding.



# MKARNS 12-FOOT CHANNEL – FUNDING SUMMARY



Allocations:	INV (\$M)	CG (\$M)	IWTF (\$M)	BIL (\$M)	Total (\$M)
FY21	\$0.559M				\$0.559M
FY22	\$0.115M <sup>1</sup>			\$92.6M	\$92.715M
FY23		\$6.5M	\$3.5M		\$10M
Total to Date	\$0.674M	\$6.5M	\$3.5M	\$92.6M	\$103.274M
Remaining TPC Balance					TBD <sup>2</sup>

## Notes:

<sup>1</sup>\$115,102 FY18 INV Funding repositioned in FY22

<sup>2</sup>Updated Certified Cost scheduled for Nov 2023

Total Project Cost (TPC)	\$274.7M <sup>1</sup>	2022
Authorized Cost:	\$158.5M <sup>2</sup>	2005
Escalated Cost:	\$274.7M <sup>1</sup>	2022
902 Limit:	NA	NA
PED Cost:	TBD <sup>3</sup>	Nov 2023
EDC Cost:	TBD <sup>4</sup>	Nov 2023
S&A Cost:	TBD <sup>4</sup>	Nov 2023

## Notes:

<sup>1</sup>2005 Director's Report amount escalated to FY22

<sup>2</sup>Cost from 2005 Director's Report, authorization did not include a cost.

<sup>3</sup>PED is funded by Construction Funds

<sup>4</sup>Updated Certified Cost scheduled for Nov 2023

## Fiscal Year Funding Capabilities: add additional years if required

FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029	FY 2030	FY 2031	FY 2032	FY 2033	TOTAL
0	0	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD

## Commentary:

- Updated Certified Cost (Nov 2023)
- BCR will be developed with updated certified cost
- Post Authorization Change Report (Apr 2024)



# ***MKARNS 12-FOOT CHANNEL– ISSUES/CHALLENGES***



## **GENERAL**

- Received construction funding while in the planning phase, prior to design start.
- Requires adaptive design approach, monitoring the results of structure constructed in the early phases to minimize dredging (during construction and later maintenance).

## **NEPA**

- Supplemental EA required for Certified Cost
- Cultural Programmatic Agreement: 18 federally recognized tribes, 2 state historic preservation offices, and 1 state agency.
- Section 106-Assessment for National Register of Historic Places for the entire MKARNS.

## **REAL ESTATE ACQUISITION**

- 20 sites government owned
- 19 sites require land acquisition





# THANK YOU

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