

# CHICKAMAUGA LOCK REPLACEMENT PROJECT

## INLAND WATERWAYS USERS BOARD MEETING #97

Stephanie Hall  
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U.S. Army Corps of Engineers  
Nashville District  
16 August 2022

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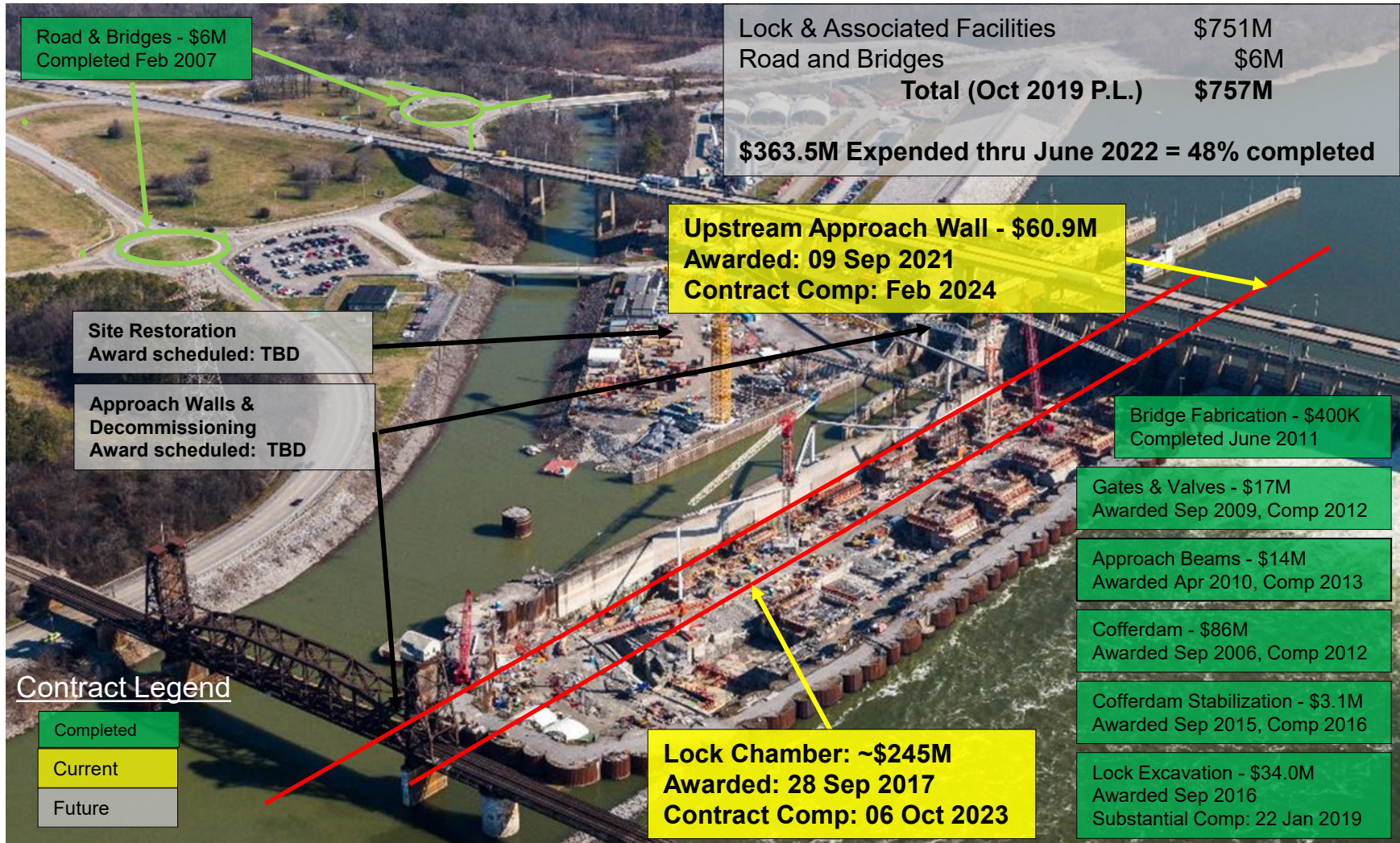


# PROJECT OVERVIEW OF SCOPE

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Consolidated Approps Act of 2003 (P.L. 108-7) & America's Water Infrastructure Act of 2018 (P.L. 115-270) authorized construction of a 110' x 600' Replacement Lock.







# SCHEDULE- WORK DONE IN FY22



## Lock Chamber Construction Contract:

- Contract 42% complete through July 2022 payment invoice.
- Concrete placements 46% complete (113.7K CY of 248K CY as of 01 July 2022)



June 2022 – Looking Upstream



June 2022 – Looking Downstream



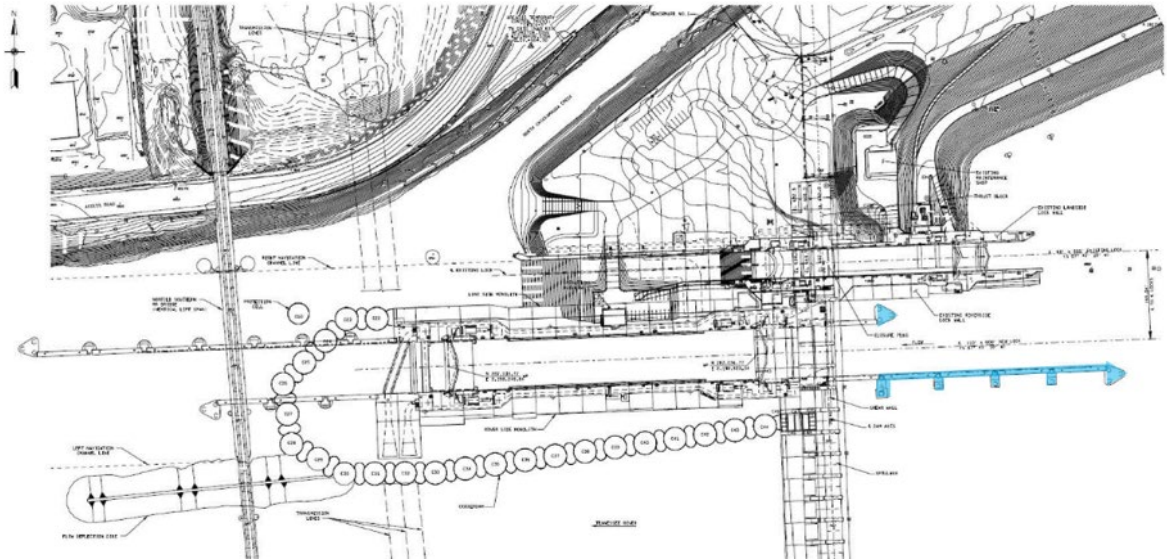


# SCHEDULE- WORK DONE IN FY22



## Upstream Approach Wall Construction Contract:

- Exploratory drilling complete and batch plant nearing completion
- Beginning to mobilize for installation of landside piers.





# PROJECT SCHEDULE - ONGOING & REMAINING WORK



Schedule of Remaining Work	Design Initiated	Contract Award	Construction Complete	Project Benefits**	Capitalized Cost Closeout
Task 1 – Approach Walls Fabrication	30-Mar-04	05-Apr-10	08-Mar-2013		
Task 2 – Cofferdam Stabilization	31-Sep-05	25-Sep-15	18-Jul-2016		
Task 3 – Lock Excavation	31-Sep-05	26-Sep-16	22-Jan-2019		
Task 4 – Lock Chamber	11-Aug-05	28-Sep-17	06-Oct-2023		
Task 5 – Upstream Approach Wall	11-Aug-05	09-Sep-21	Feb-2024		
Task 6 – Approach Walls and Decommission	11-Aug-05	TBD	TBD	TBD	
Task 7 – Site Restoration	11-Aug-05	TBD	TBD		

The Lock Chamber contract is significantly behind schedule, which is impacting follow on contract work; pursuing an Alternative Dispute Resolution (ADR) agreement to facilitate discussions.

The June 2020 certified Total Project Cost and Schedule update estimated project completion between November 2025 – August 2027; this estimate will be revised during the Total Project Cost and Schedule update planned for completion by November 2022.

The previously reported new lock operational date of April 2024 will not be achieved; the new on-line date is subject to completion of the Lock Chamber contract and will be estimated as part of the upcoming TPCS effort.



# COST/FUNDING OVERVIEW – TOTAL & REMAINING



	ARRA	CG	IWTF	Total
<b>Total Project Cost (TPC):</b>				\$756,880,000 <sup>1</sup>
Allocations through FY2016:	\$49,307,619	\$84,691,511	\$84,689,500	\$218,688,630
FY17 Allocation:	NA	\$20,000,000	\$20,000,000	\$40,000,000
FY18 Allocation:	NA	\$38,250,000	\$38,250,000	\$76,500,000
FY19 Allocation:	NA	\$76,245,000	\$13,455,000	\$89,700,000
FY20 Allocation:	NA	\$66,105,000	\$35,595,000	\$101,700,000
FY21 Allocation:	NA	\$124,150,000	\$66,850,000	\$191,000,000
<b>Total Allocations to Date:</b>	\$49,307,619	\$409,441,511	\$258,839,500	\$717,588,630
<b>Remaining TPC Balance:</b>				\$39,291,370
<b>Remaining Balance Change From Last Meeting</b>				0

Note: <sup>1</sup>Project cost data is reflective of Jun 2020 certified cost at an Oct 2019 price level, Fully Funded, Nov 2025 earliest completion

FY22 Allocation: \$0

FY23 President Budget: \$39.3M



# PROJECT ISSUES AND CHALLENGES



- The Lock Chamber contractor is significantly behind and efforts to regain schedule to achieve the current required contract completion date of 06 October 2023 have not been successful to date. The previously reported new lock operational date of APR 24 will not be achieved; a new on-line date will be estimated after confirming schedules for the Lock Chamber contract and follow-on work.
- The Lock Chamber Certified Claim alleges cost and schedule impacts due to a variety of items, most notably COVID-19. The claim is currently moving toward ADR. The terms of the ADR are currently being negotiated between the two sides and ADR is likely to occur in the February 2023 timeframe.
- Geologic conditions for the Approach Walls foundations could impact cost and schedule estimates for completing those elements.





# THANK YOU

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