

CHICKAMAUGA LOCK REPLACEMENT PROJECT

INLAND WATERWAYS USERS BOARD MEETING #96

Stephanie Hall
Deputy District Engineer
U.S. Army Corps of Engineers
Nashville District
20 April 2022

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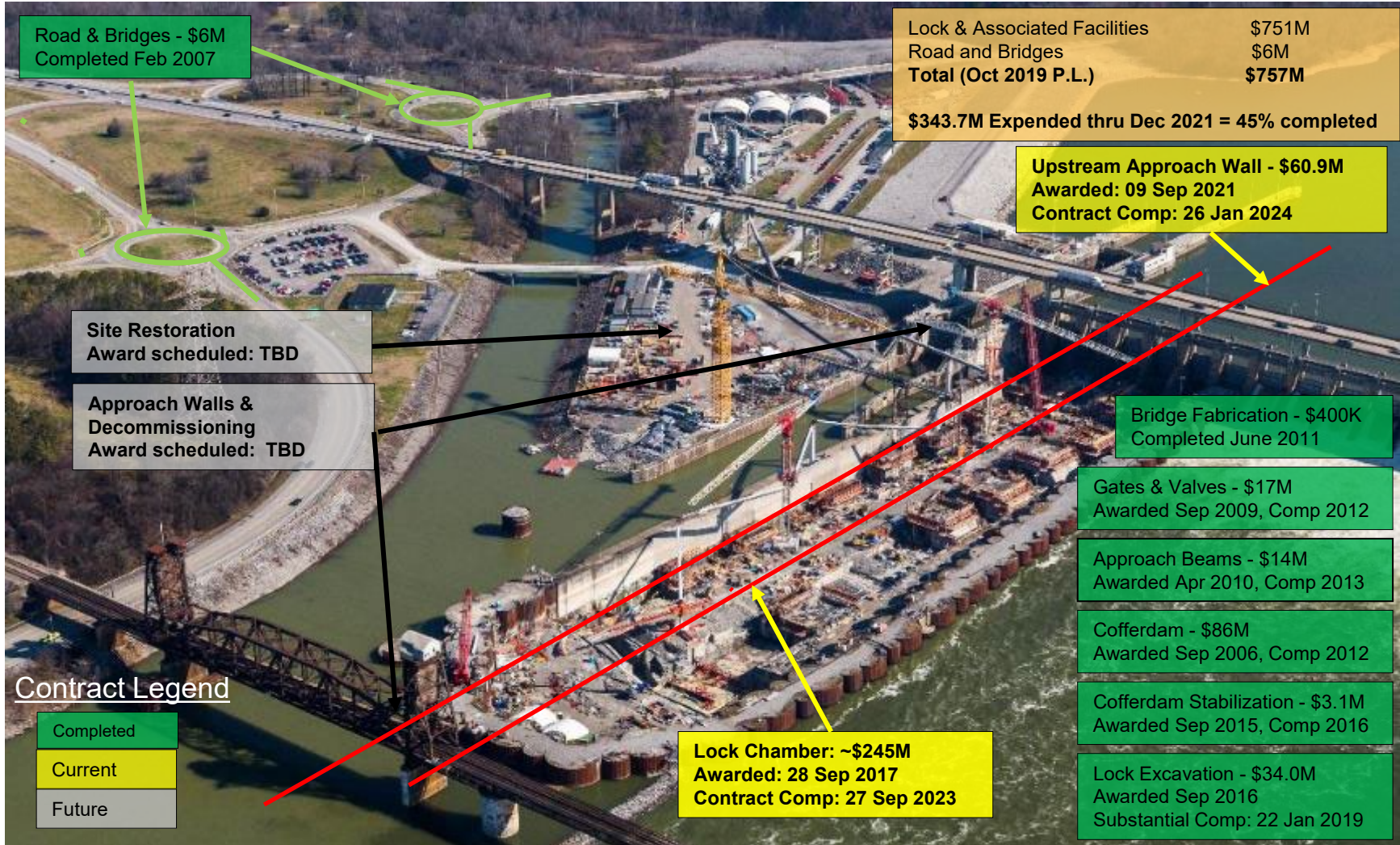
US Army Corps
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PROJECT OVERVIEW OF SCOPE



Authorized to construct a 110' x 600' navigation lock to replace the existing lock that suffers from structural instability due to Alkali Aggregate Reaction.



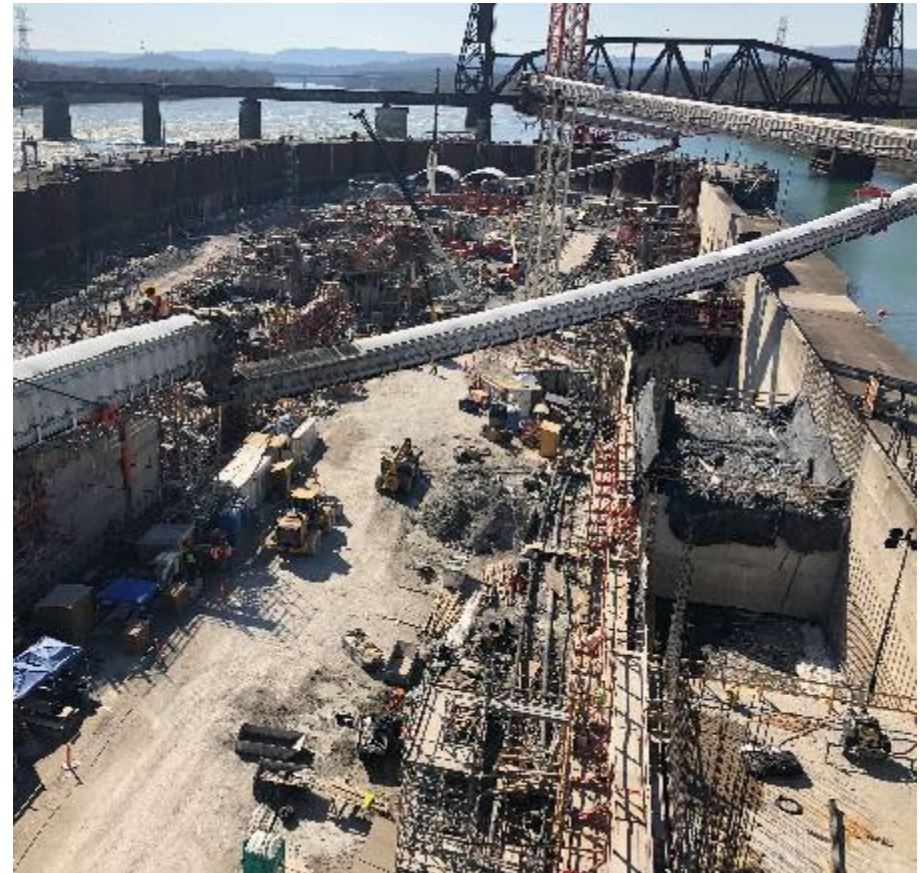
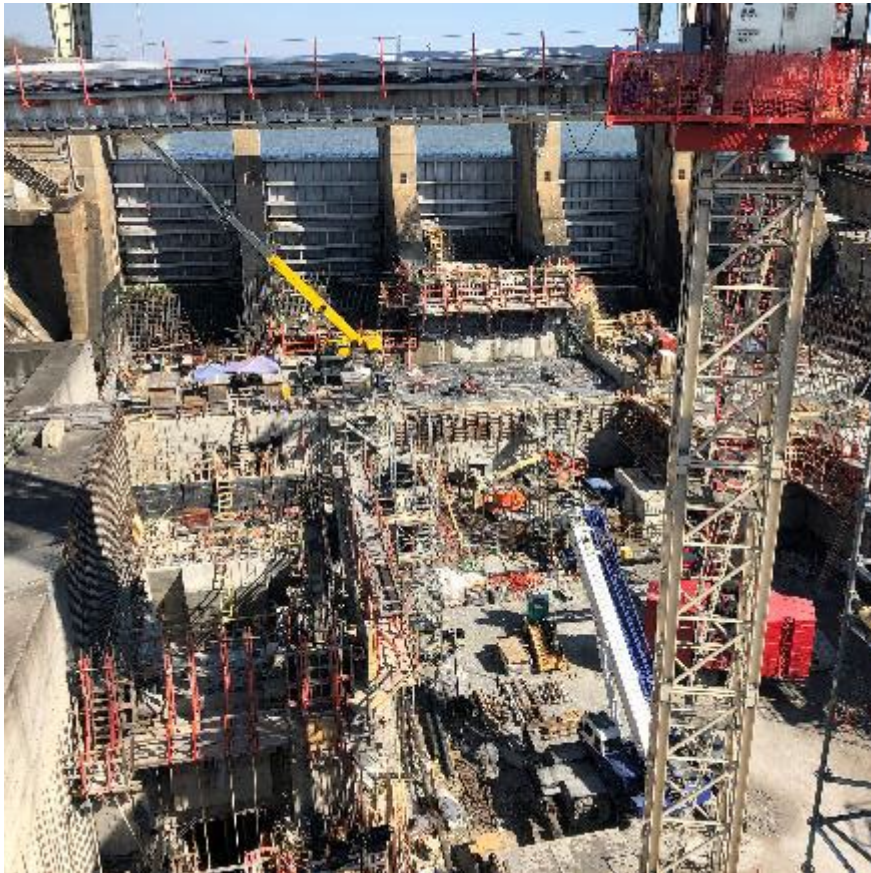


SCHEDULE- WORK DONE IN FY22



Lock Chamber Construction Contract:

- Contract 40% complete through January 2022 payment invoice.
- Concrete placements 34% complete (85.8K CY of 247.7K CY as of 08 Mar 2022)



03 Mar 2022 – Looking Upstream

03 Mar 2022 – Looking Downstream

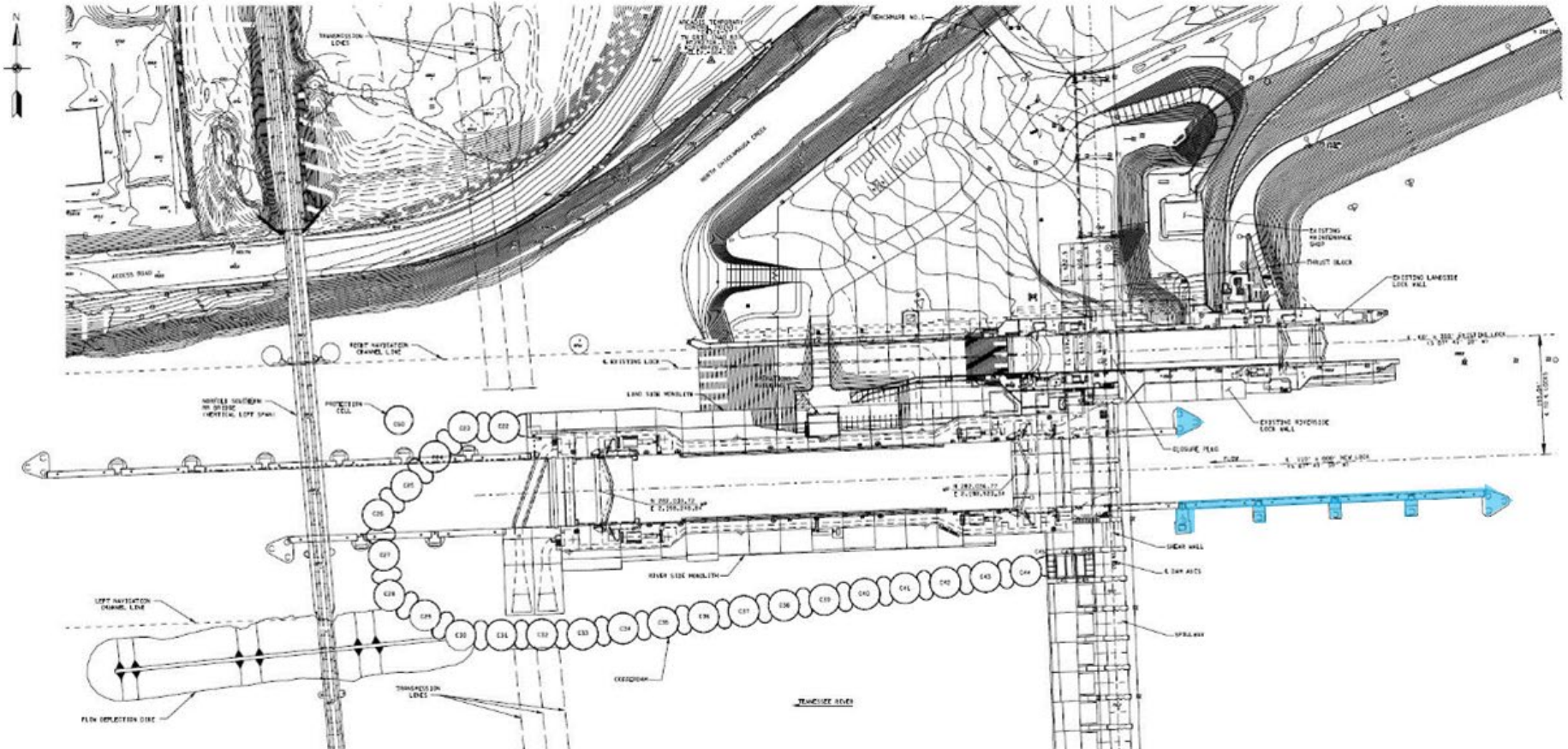


SCHEDULE- WORK DONE IN FY22



Upstream Approach Wall Construction Contract:

- Pre-Construction Submittals (Concrete Batch Plant, Marine Work Plan, Etc.)
- Notice to Proceed (Mobilization) approved 14 Feb 2022.





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	27-Sep-2023		
Task 5 – Upstream Approach Wall	11-Aug-05	09-Sep-21	26-Jan-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; a contractor submitted certified claim is under review with a response planned by 28 June 2022.

The previously reported new lock operational date of April 2024 will not be achieved; a new estimated on-line date will be determined following approval of the Lock Chamber contractor's schedule.

The June 2020 certified Total Project Cost and Schedule update estimated project completion between November 2025 – August 2027; this estimate will be revised in Fall 2022 once the Lock Chamber contract end date solidifies.



COST/FUNDING OVERVIEW – TOTAL & REMAINING



	ARRA	CG	IWTF	Total
Total Project Cost (TPC):				\$756,880,000 ¹
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
Total Allocations to Date:	\$49,307,619	\$409,441,511	\$258,839,500	\$717,588,630
Remaining TPC Balance:				\$39,291,370
Remaining Balance Change From Last Meeting				0

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

FY22 Final Appropriation: TBD

FY22 Allocation (thru FEB 2022): \$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 27 SEP 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 under review with a response planned by 28 June 2022.



THANK YOU

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