

NASHVILLE DISTRICT UPDATE FOR TENNESSEE-TOMBIGBEE WATERWAY CONFERENCE

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Date: 13 August 2021



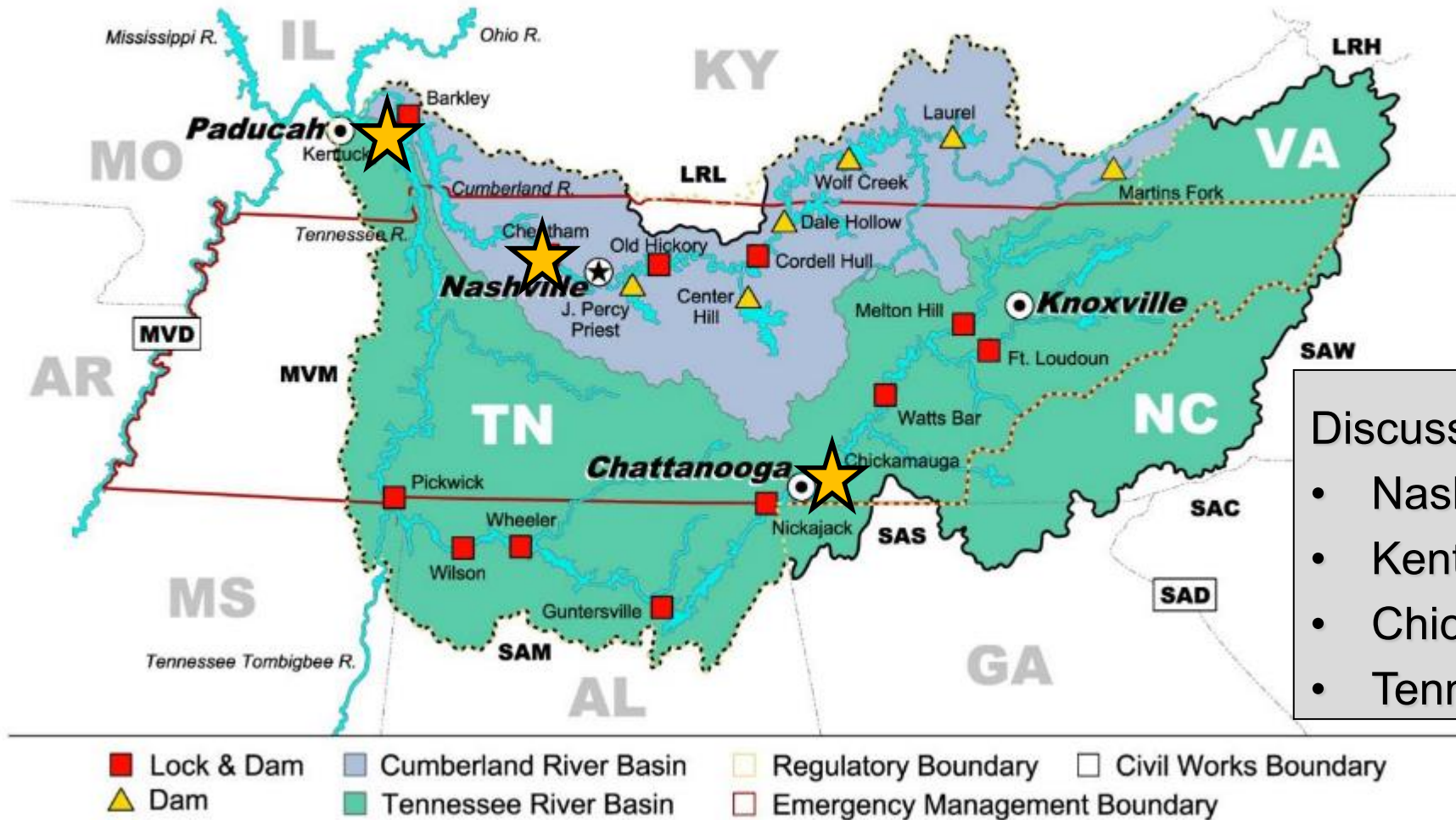
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NASHVILLE DISTRICT AREA OF RESPONSIBILITY

TENNESSEE AND CUMBERLAND RIVER NAVIGATION SYSTEMS



Discussion/Updates:

- Nashville District
- Kentucky Lock Construction
- Chickamauga Lock Construction
- Tennessee River O&M Program



CHEATHAM LOCK

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13 May 2021 - Fuel Barges on the way to Nashville.

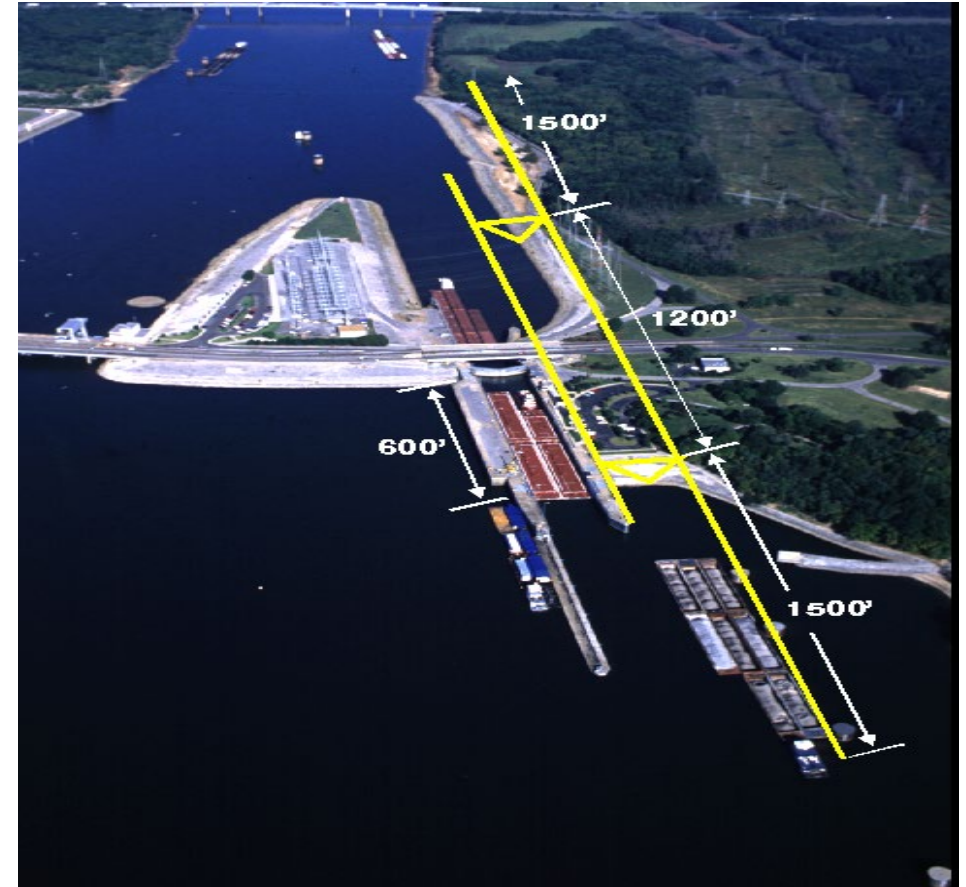


21 May 2021 – Maintenance workers pumping out water from a dewatering box to perform work in the dry.



KENTUCKY LOCK ADDITION & TENNESSEE-TOMBIGBEE WATERWAY

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- Total Project Estimated Cost: \$1.229B - \$764M received to date
- Project Completion Date: 2025 - 2029 (approx. 45% complete)
- New lock is 2x's as long as existing lock at 1200 ft and able to accommodate 15 barges vs. 9.
- Current 8-12 hours wait time will reduce to essentially 0.



Downstream Cofferdam Construction Contract

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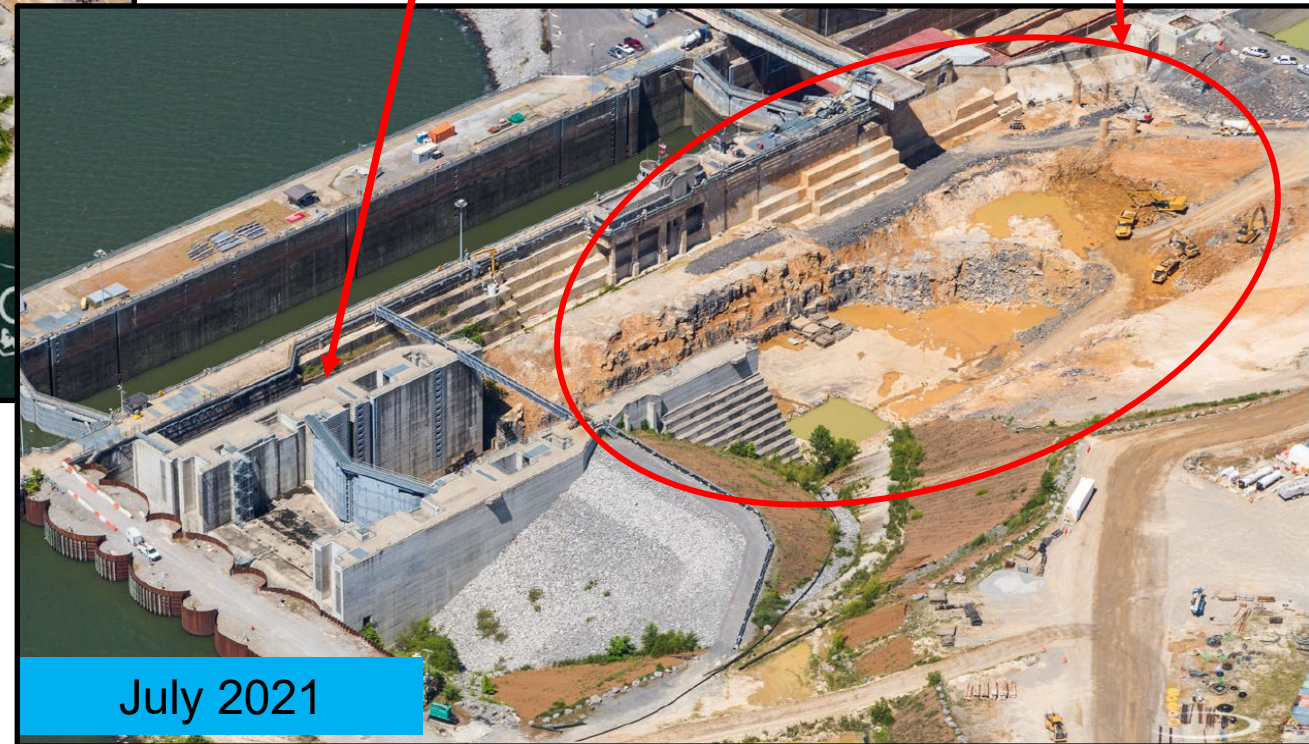


**Completed 500'
Concrete Wall**

**Completed
Sheet pile cell
construction**

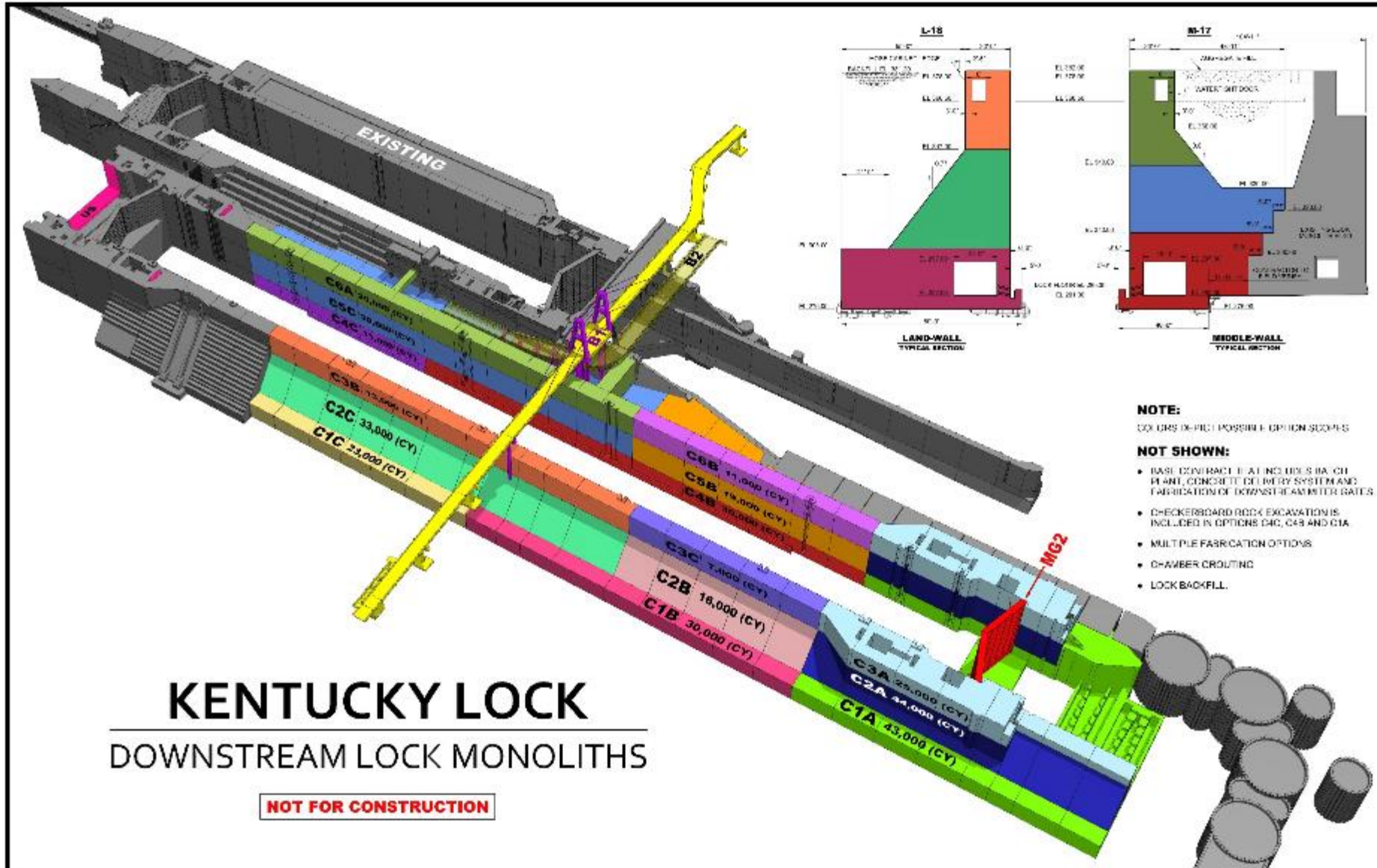
**Contract Amount - \$67M
Completed March 2021**

Downstream Lock Excavation Construction Contract



Contract Amount - \$55M
Completion anticipated Summer 2022

Downstream Lock Monoliths Construction Contract

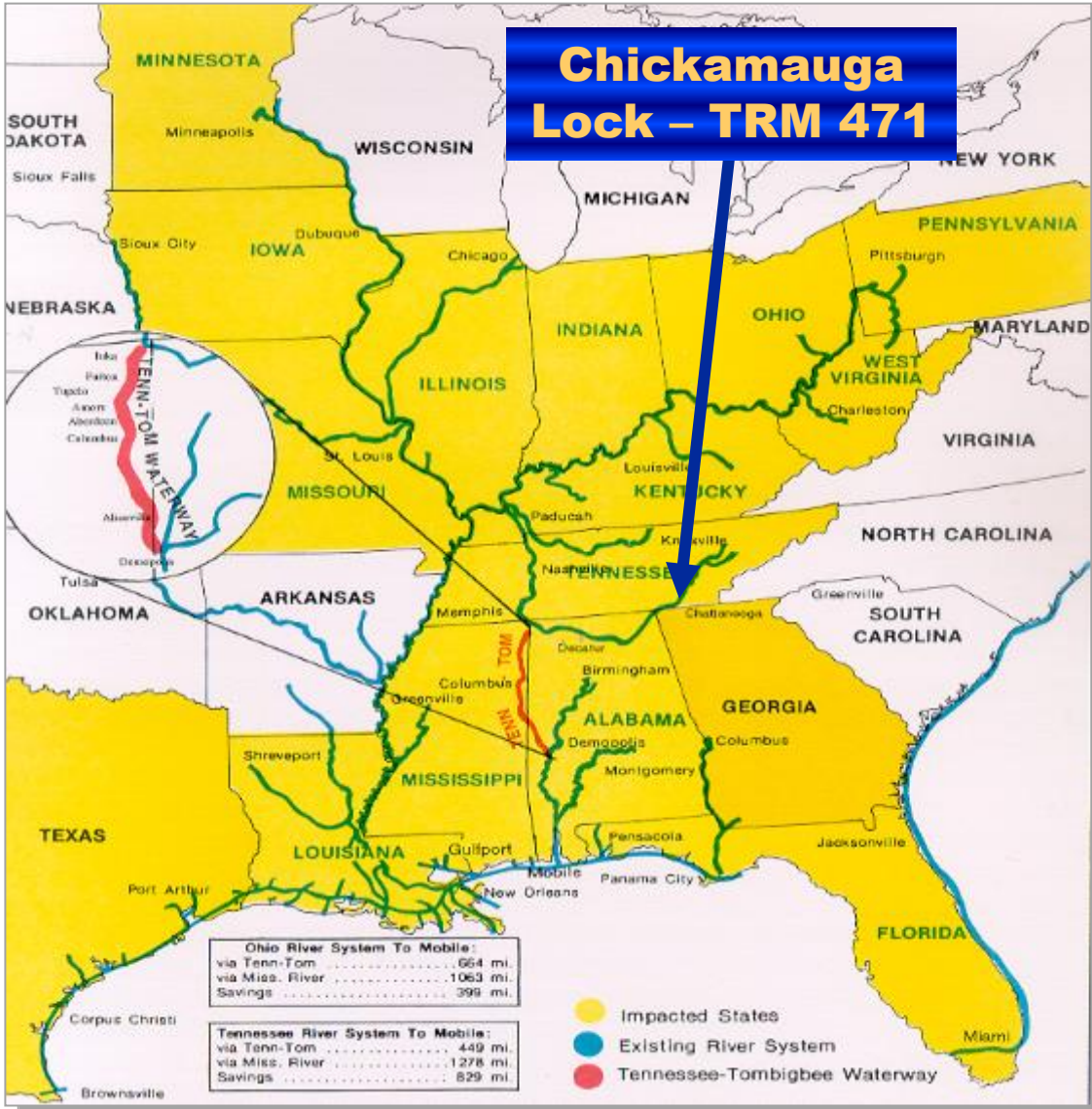


- **Base with Options**
- **>\$250M Contract**
- **66 Months Duration**
- **Major scope items:**
 - **375K CY Concrete**
 - **2M lbs DS Miter Gates**



CHICKAMAUGA LOCK REPLACEMENT & TENNESSEE-TOMBIGBEE WATERWAY

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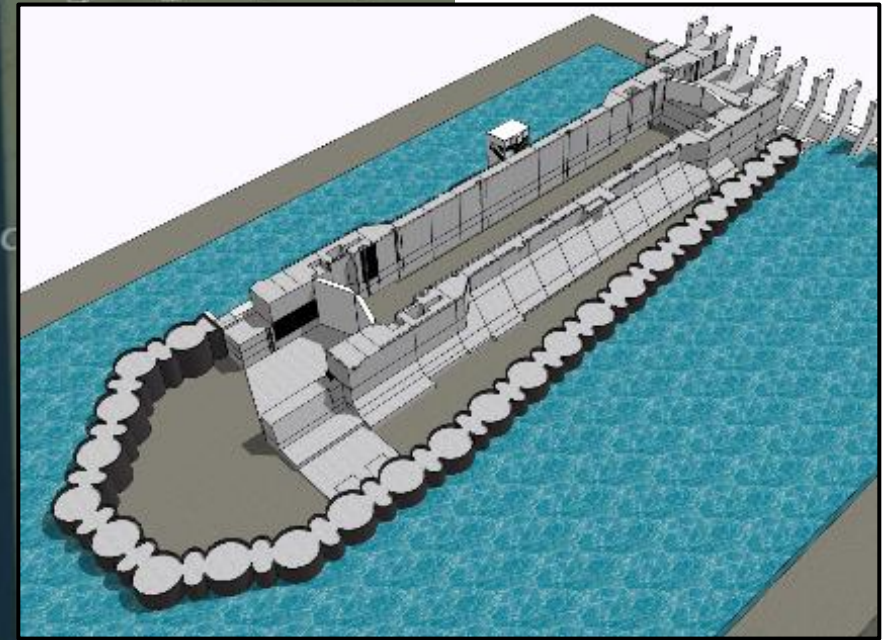
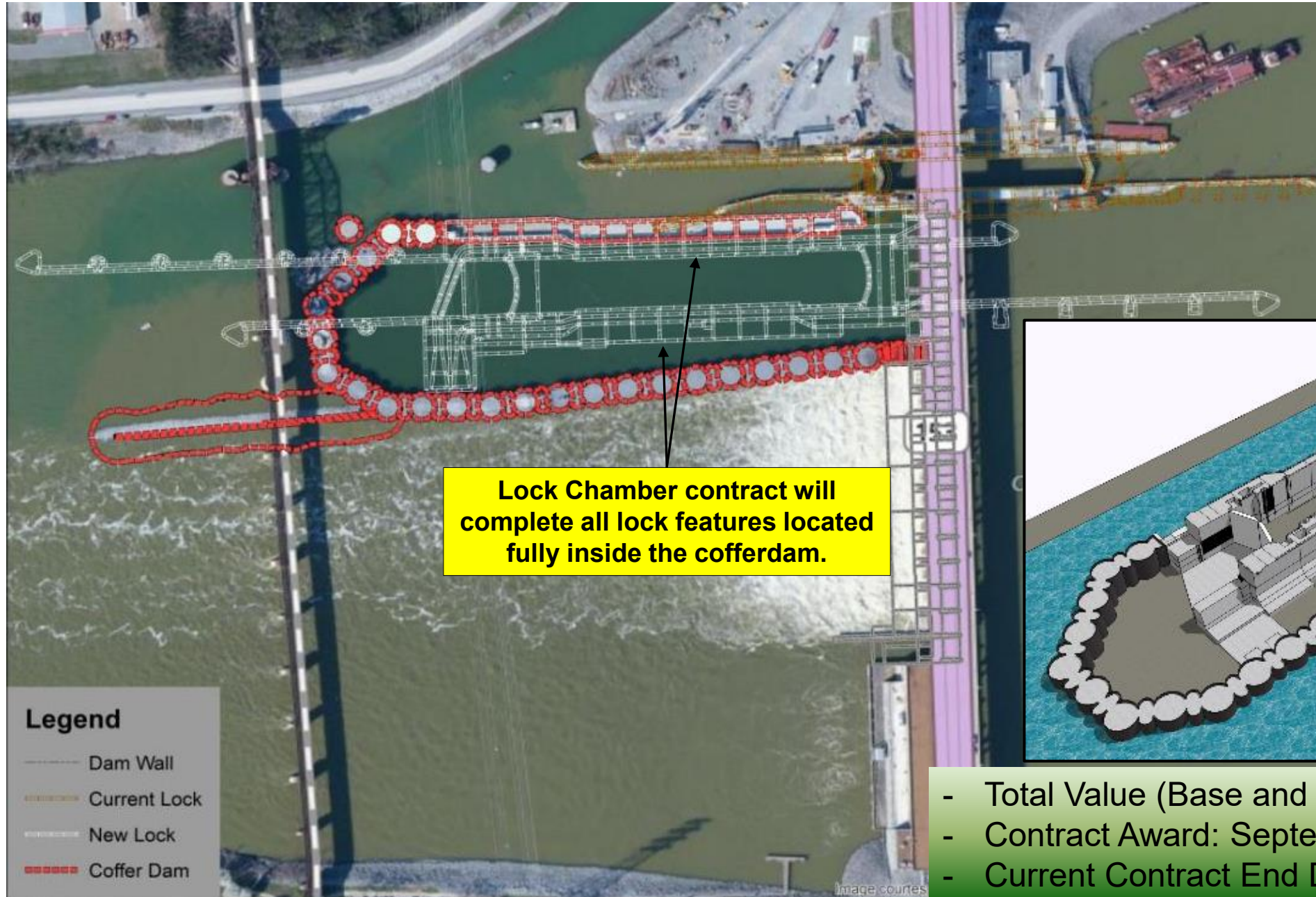


- Total Project Estimated Cost: \$757M (Oct 2019 \$'s)
- \$330.9M Expended Through June 2021 ~44% complete
- Earliest Project Completion Date: Nov 2025



- **New 110 ft x 600 ft lock** will pass 9 barges per lockage as opposed to the existing 60 ft x 360 ft lock's 1 barge per lockage.
- Replacement lock could **reduce commercial transit times by 80%.**

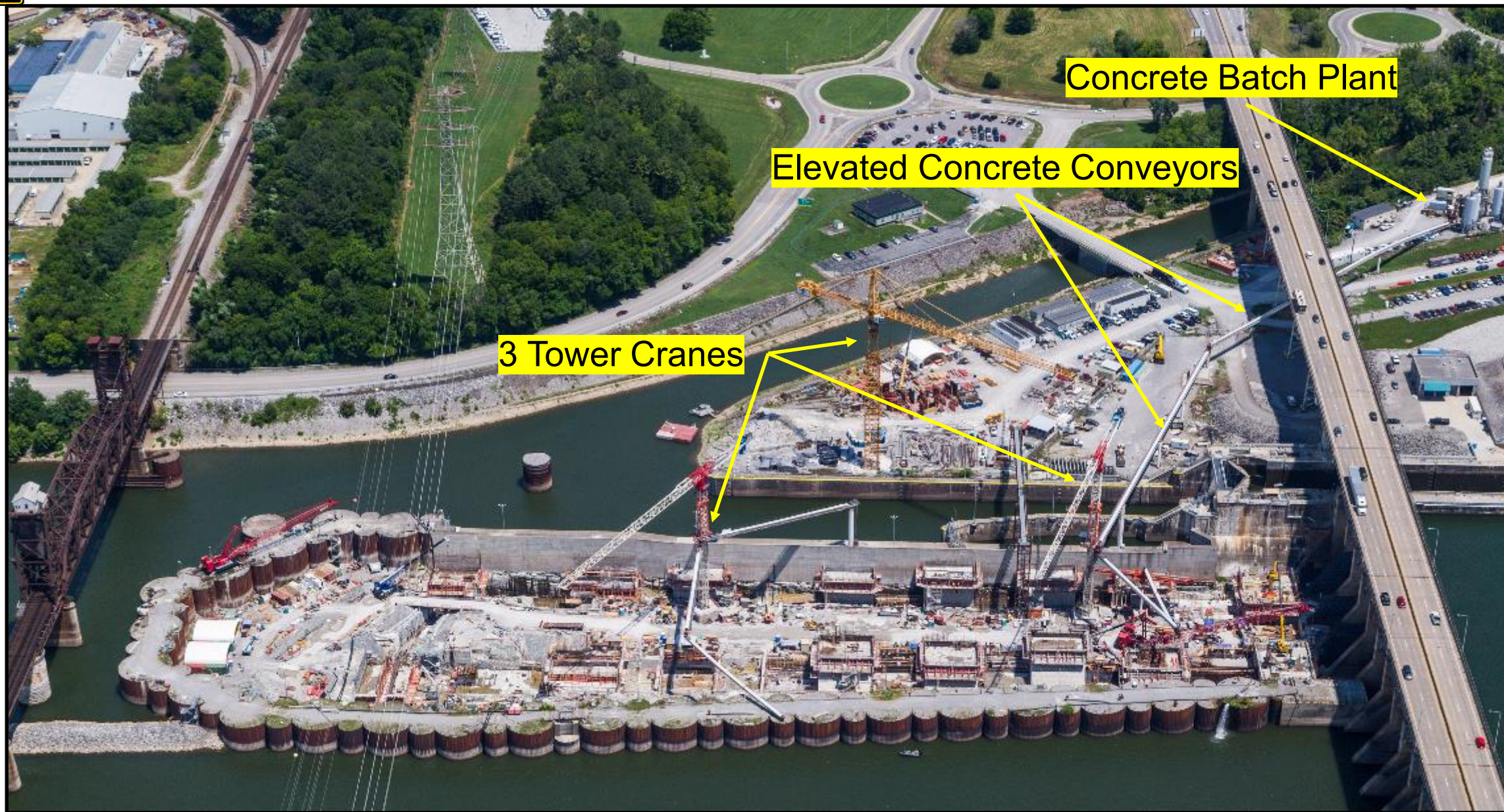
Lock Chamber Construction Contract



- Total Value (Base and Options) = ~\$245M
- Contract Award: September 2017
- Current Contract End Date: 25 Sept 2023



LOCK CHAMBER – JUNE 2021





CURRENT PROJECT PHOTO – 28 JULY 2021

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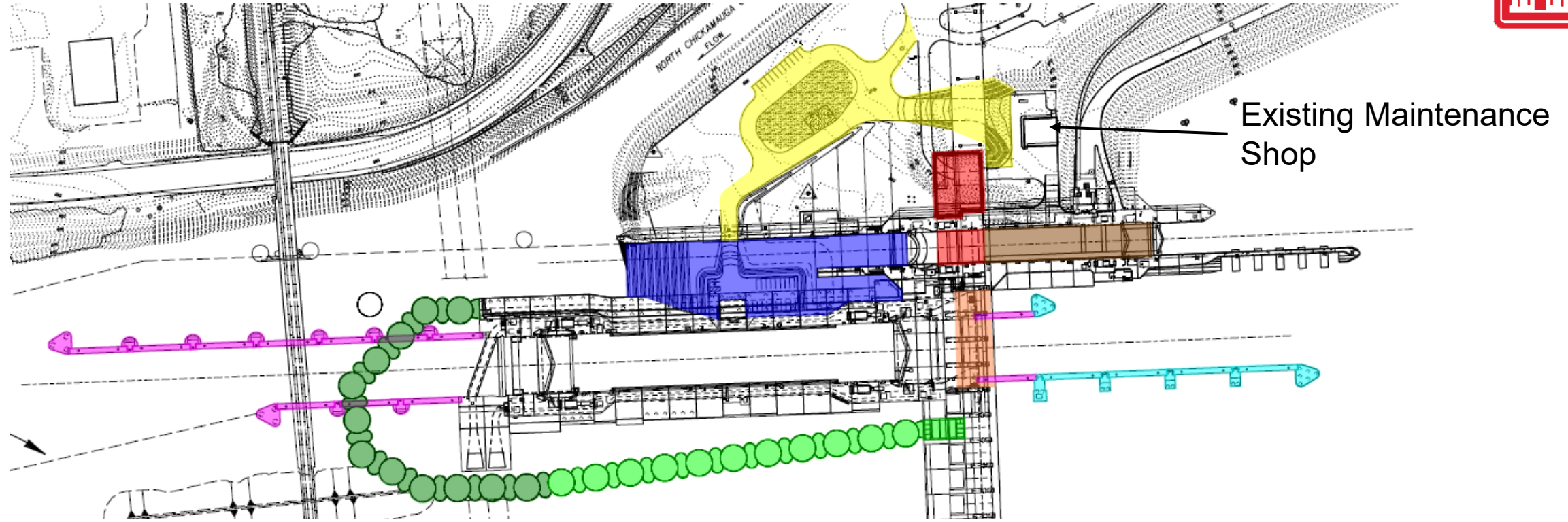


Looking downstream overlooking completed drilled shafts, monolith placed concrete, formwork, and rebar installation.



CHICKAMAUGA LOCK - FOLLOW ON CONTRACT SCOPES

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Approach Wall and Decommissioning (Mar 2023 Award)

- Demolition of the Cofferdam - Phase 1 / Phase 2
- Spillway Removal
- Approach Wall Pier and Beam Installation
- Thrust Block/Closure Plug
- Ramp to Operations Building
- Backfill Existing Chamber
- Access Road Relocation

Upstream Approach Wall (Sept 2021 Award)

- Upstream Approach Wall Pier Construction and Beam Installation



KENTUCKY AND CHICKAMAUGA LOCKS PATH FORWARD



Inland Waterways Trust Fund Cost Share Changes

- WRDA 2020 (P.L. 116-260) changed cost share for all projects to 65% CG / 35% IWTF for 10 years.

Kentucky Lock reauthorized in WRDA 2020 at higher total project cost estimate.

2020 Capital Investment Strategy Report– Update

- Prioritizes funding for Inland Waterway Trust Fund Projects with on-going construction, which is currently only Kentucky and Chickamauga.

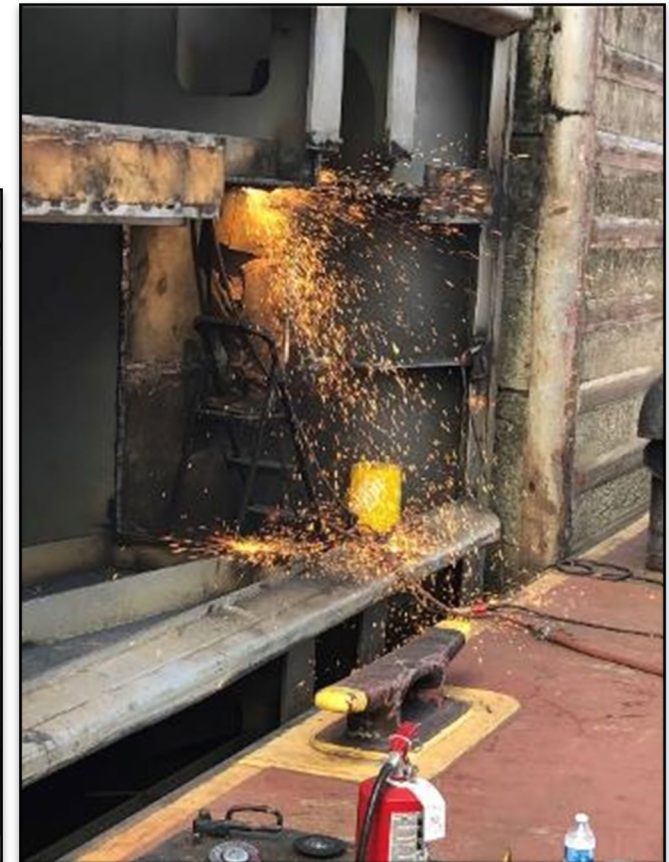


TENNESSEE RIVER MAINTENANCE



FY21 COMPLETED MAINTENANCE

- Wilson Lock Trash Screen Replacement
- Nickajack Miter Gate Repairs
- Chickamauga Lock Electrical Rehab
- Wilson Lock Caisson Slot Repair





TENNESSEE RIVER



HISTORICAL & PLANNED FUNDING

FY 13	FY 14	FY 15	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21	FY 22 PB
\$20.4	\$22.7	\$25.5	\$23.8	\$26.1	\$28.6	\$27.3	\$23.7	\$22.3	\$27.7

SCHEDULED MAINTENANCE FY22

- 01NOV21 – 10DEC 21: Kentucky Lock Machinery Rehab
- 22FEB22 – 29APR22: Wilson Lock Dewatering & Miter Gate Repairs

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