Kentucky Lock Addition

U.S. ARMY CORPS OF ENGINEERS   **BUILDING STRONG®**

AUTHORIZATION:
- The Water Resources Development Act (WRDA) of 1996 (P.L. 104-303) & WRDA of 2020 (P.L. 116-260) - Navigation

LOCATION:
- The Kentucky Lock Addition Project is located at Mile 22.4 of the Tennessee River in Western Kentucky.

PROJECT DESCRIPTION AND BACKGROUND:
- Construction of a new 1200-foot x 110-foot lock addition adjacent to the existing Tennessee Valley Authority (TVA) owned Kentucky Lock and Dam facility located at Tennessee River mile 22.4. Kentucky Lock's delays are among the highest in the country, routinely exceeding 10 hours per vessel. The new larger lock will essentially eliminate these delays.
- Completed work to date includes relocation of highway and railroad bridges, upstream and downstream cofferdams, upstream lock monoliths and miter gates, lock chamber excavation, and demolition of the powerhouse island access/bridge and utilities.
- Kentucky Lock passes approximately 57 million tons annually, valued at over $10 billion. Upon completion, the lock addition is estimated to generate average annual benefits of $114.3M/yr.

CURRENT STATUS:
- Downstream Lock Monoliths - On-going activities include rock excavation, foundation preparation, formwork, and concrete placement
  - To date, Thalle has placed 141,256 CY of concrete (~38% Complete), 2,015 tons of rebar (~32% Complete) and achieved ~1.5 Million manhours without a loss time incident.
- Lock Operational Design: Developing contract documents for a single Operational Contract that will include all remaining project scope items to bring the lock on-line

Congressional Member Interest	Key Stakeholder Interest
Comer, KY-01	Tennessee Valley Authority (TVA)
McConnell, R-KY	Inland Waterways User Board
Paul, R-KY	

BUDGET INFORMATION:

Authorized Total Project Cost	$1,561,073,000
Non-Federal Sponsor Cost	$0
Federal Cost	$1,561,073,000
Funding Received to Date	$1,229,327,901

Kentucky Lock Aerial View – Oct 2024

Rendering of Completed Project