



**US Army Corps
of Engineers**®
Nashville District

KENTUCKY LOCK ADDITION PROJECT

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

The project consists of a new 110-foot by 1200-foot lock to be located landward and adjacent to the existing 110-foot by 600-foot lock at the TVA owned Kentucky Lock and Dam located on Tennessee River Mile 22.4, near Paducah, Kentucky. The existing navigation lock at Kentucky Dam locks 9 barges per lock, which is too small to meet current and future traffic demands without significant delays. Kentucky Lock's delays are among the highest in the country and can total over \$100k per day. In the last three years, the average delay for vessels transiting the lock has been over 10 hours. The addition of a new larger lock, which locks 15 barges per lockage, will essentially eliminate these delays well into the future. Kentucky Lock passes approximately 57 million tons annually, valued at over \$10B.



KEY PROJECT DATA

Total Project Cost Estimate:
\$1,561,073,000

Allocations to Date:
\$1,229,327,901

Funds Expended:
\$802,189,156 (31 Oct 2024)

% Cost Complete:
51%

Project On-Line Date:
2029

Project Completion Date:
September 2030 (Baseline)

Est. Average Annual Benefits:
\$114.3M @ 8%



Rendering of Completed Project



KYL Aerial – Oct 23, 2024

Contracts	FY2005	FY2006	FY2007	FY2008	FY2009	FY2010	FY2011	FY2012	FY2013	FY2014	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026	FY2027	FY2028	FY2029	FY2030	FY2031	
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
HWY/RR Superstructures																												
Upstream Lock Monoliths																												
Upstream Miter Gate Fabrication																												
Downstream Cofferdam (DSCD)																												
Downstream Lock Excavation (DSLE)																												
Downstream Lock Monoliths (DSLML)																												
Operational Contract																												

Contract Legend: Completed (Green), Current (Yellow), Future (Grey)