



US Army Corps
of Engineers
St. Louis District

Information Paper

Lock and Dam 25 New 1200-ft Lock

Construction (NAV)

Contact:

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Location: Lock and Dam 25 is located in Calhoun County, Illinois, and Lincoln County, Missouri, at approximately Mile 241.4 on the Upper Mississippi River above the mouth of the Ohio River near Winfield, Missouri.

Description: The Lock 25 – New 1200-ft Lock is one of seven new 1200-ft Lock Projects being implemented under the Navigation and Ecosystem Sustainability Program (NESP). Proposed project features for the Lock 25 – New 1200-ft Lock include construction of new 1200-ft, pile founded, lock located in the auxiliary miter gate bay, and construction of an upstream, ported guard wall totaling 1200 feet, and a 650-ft downstream approach wall. The existing 600-ft lock remains in place and will become auxiliary lock chamber to be used primarily by recreation traffic. The project also includes associated channel work, relocations, and site-specific environmental mitigation.



Figure 1: Depiction of New 1200' Lock

Status: The previously designed Phase 1 Contract for Lockwall Modifications was awarded in FY22 at a \$8.4M value. Construction began on the Phase 1 contract in Spring of 2023 and the first ever concrete placements occurred in September 2023. In FY23, the design was progressed from 15% to 35%.

Importance: The majority of the Upper Mississippi River locks were designed and constructed in the 1930's and the lock chambers are 600-ft long. Currently, the capacity of the Mississippi River navigation system is limited by the existing lock facilities on the Mississippi River. Tows must lock through using a two-step process, which takes approximately 1.5 to 2 hours, causing significant delays to navigation.

The new lock will significantly reduce lockage delays and increase overall safety for operating and towing personnel. After construction of the new 1200-foot lock the 600-foot lock will become the auxiliary chamber and provide redundancy.

Authority: WRDA 2007, TITLE VIII Upper Mississippi River and Illinois Water-Way System.

Schedule:

- New Start for Construction: FY22
- Phase 1 Construction Contract Award: September 2022
- Bulkhead Contract Award: March 2024
- Phase 1 Construction Complete: May 2024
- Design Complete: June 2026
- Construction Award: FY2027
- Notice of Project Completion: January 2036

Activities for FY24: Completion of the Phase 1 Construction Contract scheduled for May 2024. Funding available will be utilized to progress design to 65%. Other long lead time features are being designed, procured, and constructed. An Early Contract Involvement-Integrated Design and Construction (ECI-IDaC) contract was solicited in 3rd quarter FY23. This strategy provides for the greatest chance of project success. This procurement is on hold due to funding constraints.

Activities after FY 24: Progress design to completion. The construction award for the entire lock project is expected to occur in FY27 with an estimated construction duration of 9 years. Additional funds are needed to maintain momentum on remaining work, to include construction. Amount of additional funds needed will be known in FY24.

Project Partner: Not Applicable.

Congressional Interest: Senate: Durbin (IL), Duckworth (IL), Hawley (MO), Schmitt (MO)
House: Bost (IL-12), Bush (MO-1), Graves (MO-6), Luetkemeyer (MO-3), Miller (IL-15), Smith (MO-8), Wagner (MO-2).

Financial:

Estimated Federal cost: \$732,000,000
Estimated non-Federal cost: \$0
Total estimated cost: \$732,000,000
Total Federal funding to date: \$732,000,000