



Lake Limestone Tainter Gate Replacement Project



Tainter Gate

The Brazos River Authority owns and operates Sterling C. Robertson (SCR) Dam, which is located in Leon and Robertson Counties. The dam, which forms Lake Limestone Reservoir, was completed in 1978. The service spillway structure includes an overflow section with five (5) Tainter gates, non-overflow sections at the left and right sides, a stilling basin downstream, low flow outlets through the left and right end piers, and a service bridge spanning between the piers of the service spillway.

The Project

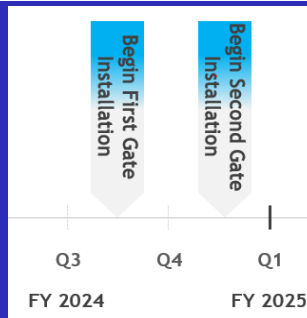
Prior engineering assessments have recommended the replacement of the five existing Tainter gates due to deterioration that has occurred over time. The Tainter gates are used to pass floodwater through the dam. This project will completely replace the existing gates. The new gates will include cathodic protection and a coating system to maximize their longevity. New hoists, which are used to raise and lower the gates, will also be installed to meet the necessary load/weight requirements. Other project components include handrail replacement on the structure and concrete repairs to the downstream service spillway chute.

Current Project Status 3/8/2024

- Gate #1 delivered on January 31
- Modifications to Hoist #1 are ongoing
- New Bulkheads are receiving minor field modifications to allow proper alignment
- Site work, in preparation for the demolition and installation of gate #1, is underway

Planned Schedule

Note: BRA Fiscal Year Runs Sept to Aug



Budget Summary

FY 2024 Budget	\$8,202,000
FY 2024 Project Expenses (As of 1/31/2024)	\$744,578