



# Lake Limestone Tainter Gate Replacement Project



Tainter Gate

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

## The Project

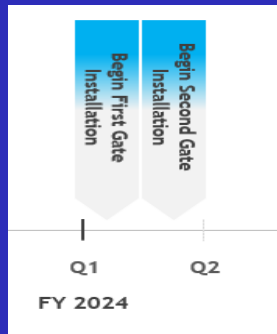
Prior engineering investigations have recommended the replacement of the five existing Tainter gates due to deterioration that has occurred over time. The Tainter gates are used to pass floodwater through the dam. This project will completely replace the existing gates with new gates. The new gates will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

## Current Project Status 8/18/2023

- Fabrication of gates and hoists is ongoing
- Mobilization at Lake Limestone is currently underway ahead of construction activities
- New bulkheads currently undergoing final testing ahead of delivery
- First gate to begin installation beginning of FY24

## Planned Schedule

Note: BRA Fiscal Year Runs Sept to Aug



## Budget Summary

FY 2023 Budget	\$11,700,000
FY 2023 Project Expenses (As of 6/30/2023)	\$4,454,472