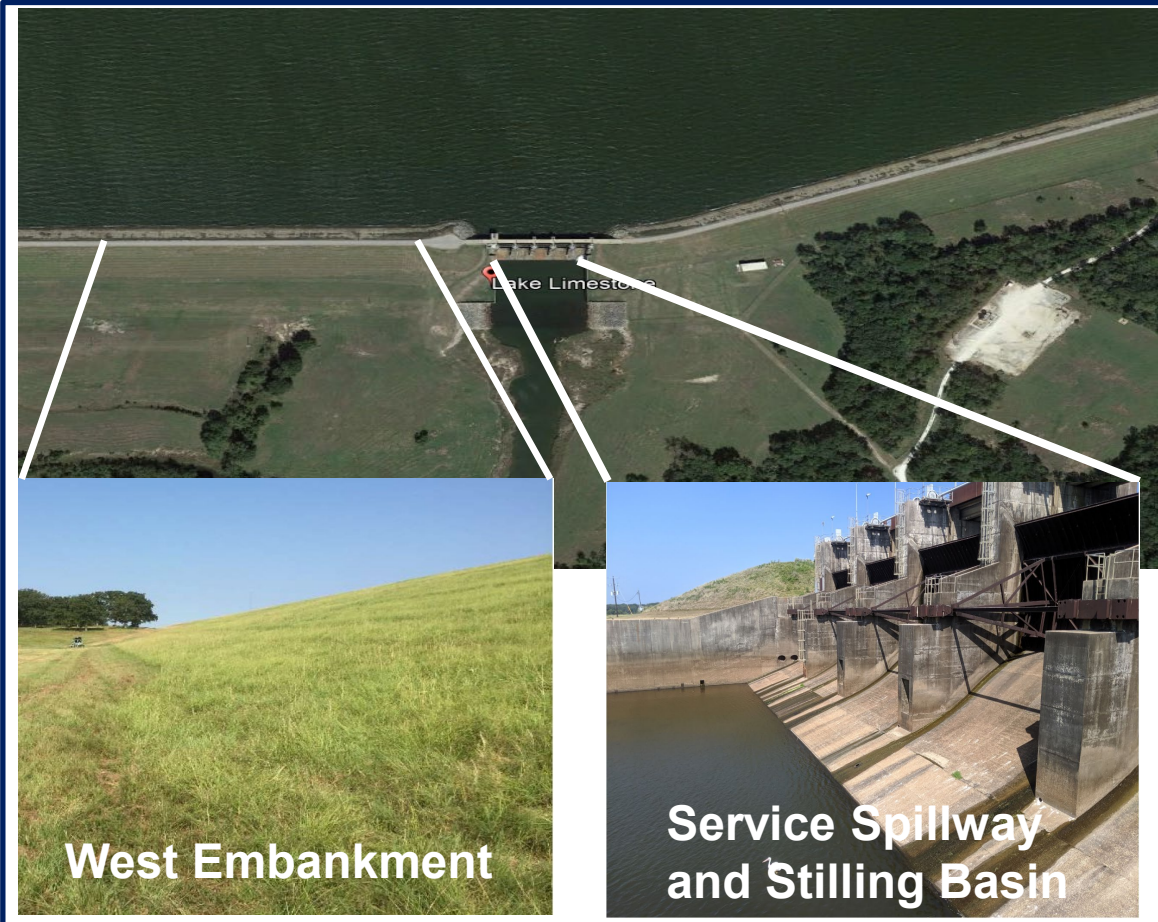




# Lake Limestone Hydrostatic Relief System Assessment and Replacement



The Sterling C. Robertson Dam was completed in 1978 to form Lake Limestone. The dam is an earthen embankment structure with a concrete spillway that houses five Tainter gates. The spillway contains a stilling basing that reduces velocity and turbulence of released water to prevent scouring. A Hydrostatic Pressure Relief System (HPRS) was constructed within the Service Spillway, Stilling Basin, West Embankment and East Embankment to provide drainage, control hydrostatic pressures and improve stability. Inspections have noted that due to the age (est. 40+ years) and material of the piping for the HPRS, it is necessary to assess the system and to design and replace components, as required.

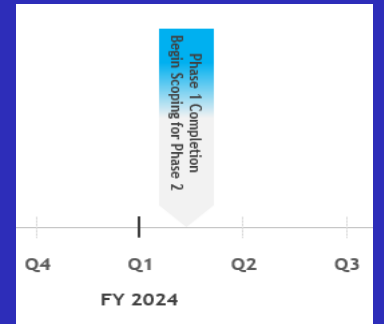
### The Project

This project will be conducted in three phases. Phase 1 will be an Initial Assessment and Evaluation of the functionality of the dam's Hydrostatic Pressure Relief System and will recommend viable improvements (as needed) so that all components in the West Embankment, East Embankment and the Service Spillway will achieve a minimum additional service life of 40 years. Based on the results of Phase 1, the BRA may authorize Phase 2 to design improvements to HPRS. Phase 3 will construct the designed improvements and complete the project.

### Current Project Status 8/11/2023

- The Data Review task and the Site Evaluation task are complete.
- Notice-to-proceed for the Exploration Planning task was issued on 11/28/2022.
- Phase 1 completion anticipated in Q1 FY 24.

### Planned Schedule



Note: BRA Fiscal Year Runs Sept to Aug

### Budget Summary

FY 2023 Budget	\$476,000
FY 2023 Project Expenses (as of 6/30/22)	\$79,398