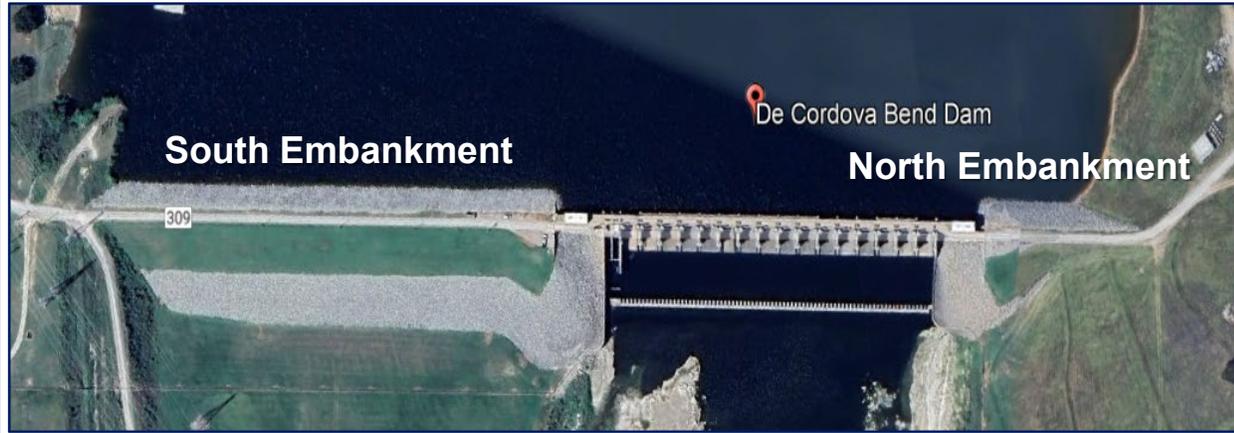




Lake Granbury Embankment Stability Analysis

Lake Granbury Embankments

The DeCordova Bend Dam has a 1,328.5-ft rolled earth fill embankment divided by the spillway structure into the south and north embankments. The south embankment is 954.5 ft long and the north embankment is 374 ft long; both cresting at Elevation 706.5'. The north and south embankments, as well as the left (north) bank foundation cutoff are currently monitored by a total of 13 piezometers which are used to measure pore pressure and ground water levels.



The Project

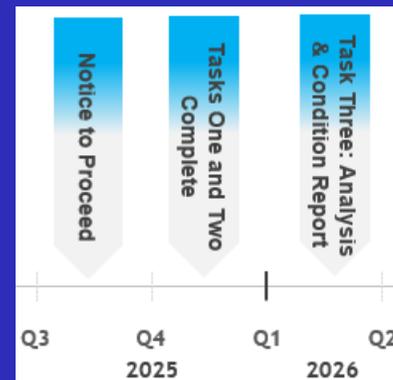
A Five-year Engineering Inspection recommended to evaluate the current piezometer threshold values for monitoring embankment pore water pressure. Pore water pressure is closely tied to the stability of the north and south embankments. In addition, an embankment assessment and stability analysis will also be completed to evaluate the need for any improvements or modifications to ensure the embankments will achieve an additional 50-year service life.

Current Project Status 10/31/2025

- Notice to Proceed was issued on May 19, 2025
- Task One *File Review* was completed on June 18, 2025
- Task Two *North and South Embankments, Left Bank Foundation Cutoff, and Piezometer Condition Assessment* kicked off July 21, 2025 and was completed July 24, 2025
- Task Three *Preliminary Embankment Stability Analysis and Condition Assessment Report* planned for FY 26 Q1

Planned Schedule

Note: BRA Fiscal Year Runs Sept to Aug



FY 2026 Budget

\$159,000