



Lake Granbury Reinforced Concrete Component Project



Buttresses



Slab

DeCordova Bend Dam was completed in 1969. It is a composite structure consisting of north and south earthen embankments and an Ambursen-style concrete slab and buttress dam.

The Project

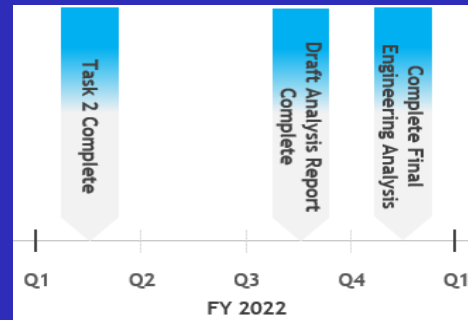
During recurring inspections, BRA staff have monitored minor settlement where Buttresses 1 and 44 meet adjacent embankment retaining walls. The purpose of this project is to conduct a structural analysis of Buttresses 1 and 44 and the adjacent embankment retaining walls for strength, safety, and serviceability. The BRA has contracted with Walter P. Moore (WPM) for this project. The first phase of the project has produced a Preliminary Engineering Analysis Report (Task 1). Based on the findings and recommendations from WPM, the BRA authorized testing and additional analysis (Task 2). WPM will compile the findings from Task 2 into a comprehensive Engineering Analysis Report (Task 3) that will evaluate the necessity of repairs; provide viable repair options with a risk analysis; and opinion of probable costs for those options. If warranted, the BRA will move forward with Phase 2: Design and Construction. The concrete joints and retaining walls associated with this project do not pose a dam safety issue.

Current Project Status 11/18/2022

- Task 3 is complete; The Final Engineering Analysis Report has been completed and provided to BRA
- Repairs for Buttresses 1 and 44 will be performed as a task in a larger project that will begin in FY 24

Planned Schedule

Note: BRA Fiscal Year Runs Sept to Aug



Budget Summary

FY 2022 Budget	\$690,000
FY 2022 Project Expenses (As of 8/31/2022)	\$428,689