

Dam 16

Repair & Rehabilitation

Project Improvements Include:

- Repairing wave erosion
- Reconstructing stability berm
- Evaluating embankment instability
- Armoring against future wave erosion impacts

Project Summary:

The Dam 16 Shoreline Rehabilitation project is necessary to repair erosion along the upstream face of the dam caused mostly by wind-driven wave action, as well as reconstruct the upstream stability berm.

Half Associates, Inc. is assessing the slope erosion and instability along the interior face of the dam to design a solution to repair the damage, stabilize it against future wave erosion and reconstruct the upstream stability berm.

Dam Facts:

Maximum Storage: 5051 Acre Feet

Maximum Height: 48 feet

1963 Original Construction – Dam was constructed by Soil Conservation Service (now NRCS).

2010 Modernization Project – The District raised the dam to meet updated TCEQ Dam Safety regulations



Dam 16 (private property) in Round Rock

Project Timeline:

2022-2023 Repair and Rehabilitation Project

- (2022-2023) *Analysis, Design and Permitting*
 - Geotechnical Investigations: February to June 2022
 - Design phase: June to December 2022
 - TCEQ Dam Safety: Early 2023
 - Advertisement for construction bids: After TCEQ permit approval in Early 2023
- (2023) *Construction*
 - Construction efforts to begin: Spring 2023
 - Construction completion: Fall 2023
 - Temporary impacts during construction:
 - Lower-than-normal lake elevation