

Lake Manatee Dam



Last Updated: November 2024

PROJECT DETAILS

PROJECT HIGHLIGHTS AND COMMUNITY BENEFITS

Project Numbers:

6026075
6108870

[Capital Improvement Plan](#)

Project Managers:

Albert Rosenstein

Lake Manatee Dam is a 4,700-foot-long, 27-foot-high zoned earth embankment with a pervious outer shell and a central clayey core. Significant internal erosion and piping threatened uncontrolled release of the reservoir if left untreated. A 95- to 105-foot-deep cutoff wall was required through the spillway and 3,000 feet of an adjacent embankment. With the dam in a fragile condition, the construction process had to have minimal impact on the dam, and the most critical sections needed to be completed before the impending hurricane season. Construction of the wall beneath the spillway without damage to the concrete structure was also challenging. From barges placed in the stilling basin, small diameter holes were cored through the spillway and constructed the underlying wall with overlapping 4-foot-diameter jet grout columns. A soil mix wall was efficiently constructed with the TRD method. The TRD process minimized risk to the dam since the thick, constructed in place, soil mix material would fill or choke off any erosion channels encountered.

PROJECT SCHEDULE

Design Start:

April 1, 2014

Design End:

February 28, 2022

Construction Start:

October 1, 2021

Construction End:

December 31, 2024



FINANCIAL STATUS

Appropriated to Date \$42,274,739

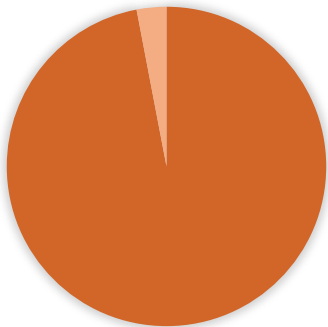
Future Appropriation \$0

Total Anticipated Costs \$42,274,739

Funds Encumbered/
Spent to Date \$41,004,997

Funds Remaining \$1,269,742

Funding Strategy General Revenue, Debt



Funds
Encumbered/
Spent to Date:
\$41,004,997
(97%)

Funds
Remaining:
\$1,269,742
(3%)