

Lake Manatee Dam Repairs Projects



Last Updated: February 2024

Overview

Lake Manatee Dam Repairs - \$22,196,623

(Project # 6026075 Closed)

Phase I - Reestablishment of seepage control of dam core requiring 300 linear feet of jet grout columns and 3,100 linear feet of Trench Remixing Deep (TRD) cut off wall to depths between 95 and 105 feet below dam crest as per plans. Jet grout section will extend south from primary spillway 80 linear feet and north from primary spillway 100 linear feet and will be installed beneath the flooded spillway approach apron. TRD wall will extend 1,050 linear feet south from southern end of jet grout wall and 2,050 linear feet north from northern end of jet grout wall. Installation of TRD wall will require construction of work platform along dam crest for the TRD machines.

Lake Manatee Dam Repairs - Phase 2 - \$20,078,116

(Project # 6108870)

Phase II - This project will address the filling of voids and geotechnical stabilization below dam features which extend outwards from the length of the dam itself. This includes the upstream approach walls that extend out into the lake and on the downstream side, training walls, spillway and stilling basin. The approach walls are an extremely important component of dam strength and safety and are being significantly bolstered and reinforced. The tainter gates that control the release of water are being rehabilitated with new controls, various mechanical components and monitoring element upgrades. The dam will also be equipped with a new embankment stability monitoring system and long segments of the dam face that have suffered damage from wave action will be refurbished. This is an operational, high hazard dam and cannot be removed from service without an alternate safe method to release water downstream. Therefore, temporary use of the emergency spillway system north of the dam to route floodwaters safely downstream to the Manatee River.

Project Status

Project Manager	Albert Rosenstein
Departments	Public Works
District	1

		Start	End
Lake Manatee Dam Repairs			
6026075	Design	4/1/2014	2/28/2022
Closed	Construction	3/1/2022	12/31/2024
Lake Manatee Dam Repairs - Phase 2			
6108870	Design	10/1/2020	3/31/2021
	Construction	10/1/2021	12/31/2024



Lake Manatee Dam Repairs Projects



Summary of Finances

	Budget		Year to Date	Remaining Balance	% Received
Revenues					
Appropriated					
Water and Sewer Capital Improven	35,298,000		35,298,000	-	100%
Utilities Rev Line of Credit 2021	6,976,739		6,976,739	-	100%
	42,274,739		42,274,739	-	100%
Future Appropriation					
	-		-	-	
	42,274,739		42,274,739	-	100%

	Budget	Encumb	Project Total	Remaining Balance	% Spent
Expenses					
Appropriated					
Lake Manatee Dam Repairs	22,196,623	-	22,196,623	-	100%
Lake Manatee Dam Repairs-Ph 2	20,078,116	2,161,049	17,593,199	323,868	88%
	42,274,739	2,161,049	39,789,821	323,869	94%
Future Appropriations					
	-	-	-	-	
	42,274,739	2,161,049	39,789,821	323,869	94%

Manatee County Capital Projects - 1112 Manatee Ave W., Bradenton, FL 34205
https://www.mymanatee.org/departments/financial_management/capital_improvement_program