



October 2019

MONTHLY PROGRESS REPORT



BOIS
D'ARC
LAKE

Bois d'Arc Lake is located northeast of Bonham in Fannin County. Project construction began on the 16,641-acre reservoir in May 2018. The lake and other projects will be able to initially treat and deliver up to 70 million gallons of water daily starting in 2022. This report provides a monthly recap of construction progress and accomplishments.

Project Overview

Dam and Reservoir

Construction includes stripping/clearing soil and vegetation to build a two-mile-long dam embankment and service spillway (to return overflow water to Bois d'Arc Creek).

- Crews added over 500,000 cubic yards of soil to build up the dam this month.
- Concrete slabs continue to be laid for the service spillway to release overflow water back to Bois d'Arc Creek. Installation also continues on the dam intake and conduits (that move water out for treatment).

FM 897 and County Roads

Around 11 miles of county and state roads and bridges in Fannin County are being improved or constructed.

- Crews completed the fourth and fifth pours of deck concrete (out of 20 total) for the FM 897 bridge across the future Bois d'Arc Lake. Work also continues on roadway sections on either side of the bridge.
- Construction on the supporting structure for FM 897 is more than halfway finished. Crews are working to pour two sets of columns per week and three column caps every two weeks.
- Work on county roads is well underway.

Mitigation

Improvements are being made to more than 17,000 acres to mitigate for loss of habitat and impacts to local streams from construction of the lake.

- Workers continue to restore streams, care for planted grasses and other plants, create future emergent wetland areas and remove existing structures.
- Preparations are underway for winter tree planting.

Leonard Water Treatment Plant

Construction includes a storage reservoir and five-step water treatment plant.

- Excavation is complete. Buildings across the site are beginning to take shape.
- Walls for the operations building are going up.

Raw Water Pump Station and Pipeline

These will pump untreated water out of the reservoir and carry it 35 miles to the new treatment plant.

- Crews will continue installing raw water pipeline through the winter.
- The last concrete slab for the raw water pump station has been poured. Structural concrete work will be done by end of year (the station will be completed late Spring 2021).

Treated Water Pump Station and Pipeline

A pump station and 25 miles of new pipe will transport the treated water to the existing NTMWD regional water system.

- The treated water pipeline is now slated to break ground early next year.
- Pump station excavation is complete. Crews are currently gathering to begin work on the concrete structure.

Boat Ramp Areas and Lake Operations Center

NTMWD is building three public boat ramps, a dam maintenance building and a Lake Operations Center for administrative operations and recreational and educational activities.

- Crews are expected to start construction on both the Lake Operations Center and boat ramps later this month.

Recent Dam and Reservoir Work

Accomplishments

- Another 500,000 cubic yards of soil was added on to the dam this past month. That's almost enough to fill up the San Jacinto monument two times (1.75 times, to be precise). Workers' current pace could fill over five Olympic-sized swimming pools per day.
- Dirt-moving crews are adding height to the dam faster than before since the full width of the dam's base is now complete.
- Slabs continue to be laid for the service spillway. Installation also continues on the dam intake and conduits.



Up Next

- Work in all areas of the dam and reservoir will continue.



Recent Work at Leonard Water Treatment Plant

Accomplishments

- Crews have begun building up the walls of various buildings and tanks for the Leonard Water Treatment Plant.
- The plant's operations and maintenance buildings are underway and will probably be the first projects finished at the site (likely March of next year).
- Walls are also being built for the site's ground storage tank, which will store water to "rinse" the filters that remove small debris as part of the water treatment process.

Up Next

- Construction will continue across the site. Final completion of the plant is scheduled for March 2022.

Construction Begins on Lake Operations Center & Boat Ramps

Dirt work and site preparation are currently underway at the site of the future operations center at Bois d'Arc Lake.

The Lake Operations Center will serve as:

- Headquarters for NTMWD staff who will oversee the lake.
- Office space for the Fannin County Sheriff's Office and local members of Texas Parks and Wildlife.
- Multi-purpose training/classroom space(s) for NTMWD and other agencies.

Three asphalt public boat ramps, unloading areas and parking lots are also being constructed to allow boaters access to the future Bois d'Arc Lake.

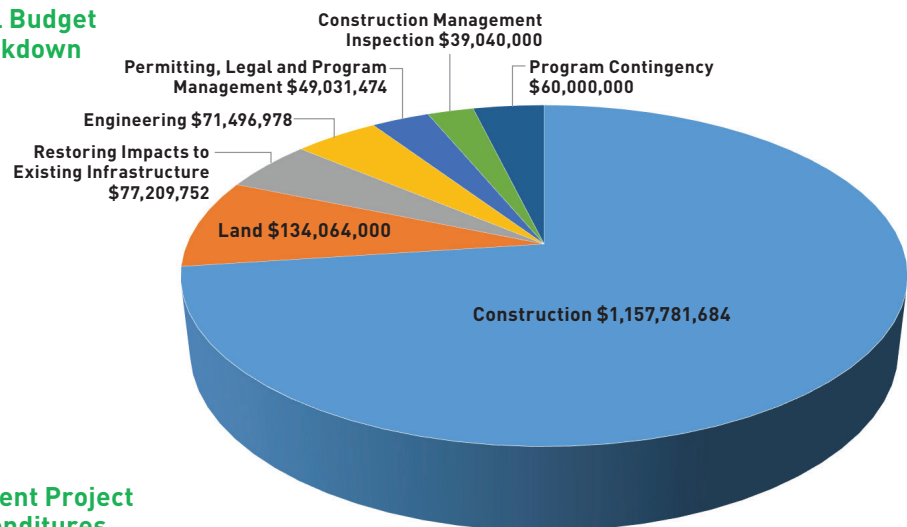


The planning, permitting, designing, land purchasing and constructing of Bois d'Arc Lake and other projects is an important investment for the future of North Texas.

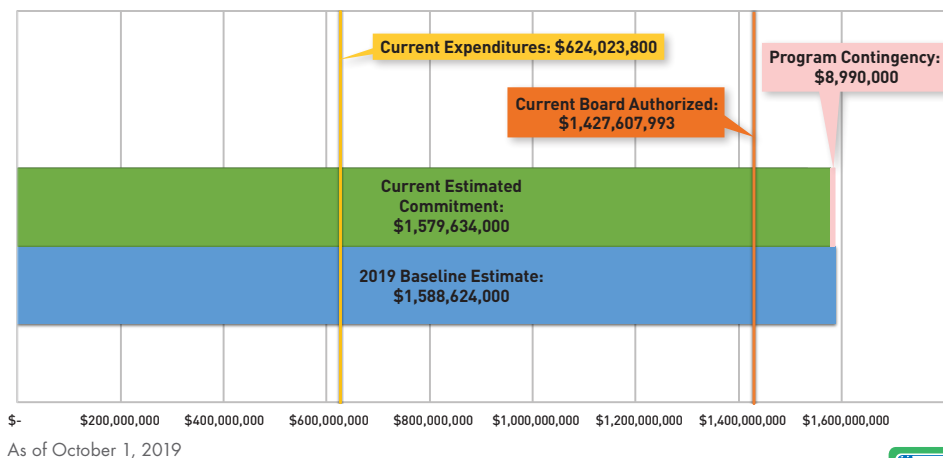
Bois d'Arc Lake and other projects are estimated to cost approximately \$1.6 billion. These costs will be shared by the up to 80 communities who receive water from NTMWD. The Texas Water Development Board has approved \$1.47 billion for these projects through the State Water Implementation Fund for Texas (SWIFT) program, which is anticipated to save NTMWD and its cities over \$230 million in interest.

This pie chart offers a breakdown of the total budget for the reservoir and other projects, and the bar chart shows current expenditures.

Total Budget Breakdown



Current Project Expenditures



TIMELINE FOR PROJECTS

