



November 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 have now built up the western portion of the dam to 515 feet (on the downstream side).
- 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, seed/plant grasses and other plants, create future emergent wetlands and ponds and cut ditches for irrigation pipelines.
- 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.
- Constructed the potable water and backwash supply tank, which provides water for plant operations.

### 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 have installed approximately 3.4 miles of the 35 mile raw water pipeline.
- 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 have finished excavations for the two buildings and are installing underground utilities.

## Road and Bridge Construction

### Accomplishments

- The roadway on either side of the new FM 897 bridge over the future lake is almost complete.
- The structures underneath to support the FM 897 bridge (drill shafts, columns, bent caps) are 65% complete.
- The FM 897 roadway that sits on top of these supporting structures (i.e. beams, decking and guard rails) is 45% finished.
- An additional 30 beams for the FM 897 bridge were delivered the week of November 18.
- Eight of the nine Fannin County roads being worked on or replaced for the project are underway, and 40% of all county road work is now complete.



*Overview of the FM 897 Bridge currently under construction.*



*Crews pour concrete bridge deck for the FM 897 road over the future reservoir.*



*The NTMWD logo shape begins to show in emergent wetlands near the lake.*

## Recent Mitigation Work

### Accomplishments

- As part of the mitigation program, crews have dug depressions to create future ponds and wetlands in several areas near the reservoir.
- Crews have shaped one of the emergent wetland areas into the NTMWD logo, and it is just now beginning to fill in with water and grasses.

### Up Next

- Crews will continue to seed stream areas, plant grassland cover crops, dig ditches and install irrigation lines.
- Crews will start planting trees again this December. Over 1.5 million were planted last winter.



## First Texas Lake Stocked Before Impoundment with Trophy Bass

Last month, the Texas Parks and Wildlife Department (TPWD) delivered 2,000 specially bred bass to Bois d'Arc Lake. These fish are from the ShareLunker program, which has been selectively breeding large, angler-donated bass since 1986 to spawn fish with the greatest potential to reach trophy size.

Crews used dip nets to move the fish into tank trucks for a two-hour journey from the TPWD hatchery the Bois d'Arc Lake site. Nets then transferred the six- to nine-inch fingerling bass to ponds in the future reservoir footprint.

This was the first time that fish from the ShareLunker program have been stocked in a reservoir area before it is impounded. Over the next few years, TPWD will also stock the lake with crappie, catfish, etc. to provide the region with top-of-the-line fishing.



*Specially bred bass released into ponds at Bois d'Arc Lake.*

Watch crews deliver the bass to Bois d'Arc Lake.

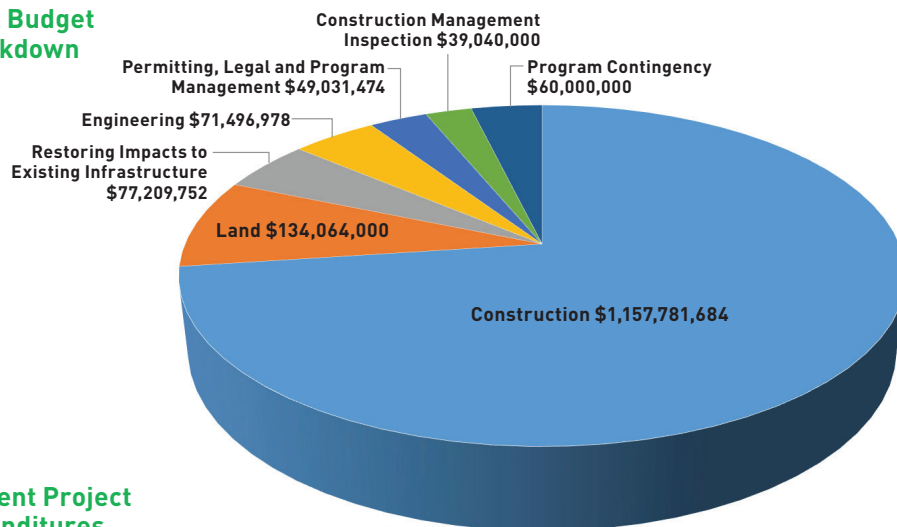
<https://youtu.be/h0koXnCn-lA>

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.

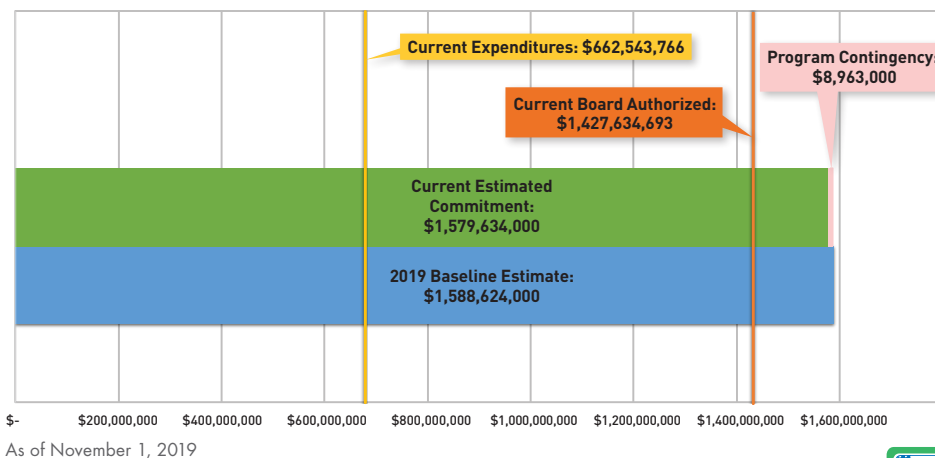
Bois d'Arc Lake and other projects are estimated to cost approximately \$1.6 billion. These costs will be shared by the up to 80 communities who receive water from NTMWD. The Texas Water Development Board has approved \$1.47 billion for these projects through the State Water Implementation Fund for Texas (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

