

May 2020

# 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 the foundation preparation and construction of a two mile long dam embankment, service spillway and raw water intake.

- Crews this past month worked on reconstructing the last part of the dam (previously removed to allow higher amounts of rainwater to flow downstream). Water from the creek will continue to move downstream through the raw water intake structure, under the dam and flow into Bois d'Arc Creek on the other side.
- Crews continue to pour concrete to increase the height of the intake structure and finish the dam's spillway.

### FM 897 and County Roads

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

- The last beam for the FM 897 bridge was installed in April. Work on the bridge deck and railing is expected to finish by end of May.
- Construction continues on remaining county roads.

### 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, construct ponds, care for new plants and remove invasive ones.

### Leonard Water Treatment Plant

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

- Workers continue to pour concrete and install piping for all structures across the site.

### Raw Water Pump Station and Pipeline

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

- Crews have completed the major structure of the pump room, setting almost all of the roof beams and beginning to place the deck.
- Crews continue pipeline installation in three different locations, and have completed around 13 miles of the raw water pipeline.

### 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.

- Crews continue to build the structure of the pump station.
- Pipeline installation is expected to begin in July, with some preparatory work already underway.

### 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 the steel frame of the Lake Operations Center and are now working on the walls.
- Prefabricated metal warehouse structure is being assembled. Rough-ins for plumbing and utilities at Warehouse and Operations center currently underway. Installation of interior walls and masonry also progressing.
- Work on all three boat ramps continues.



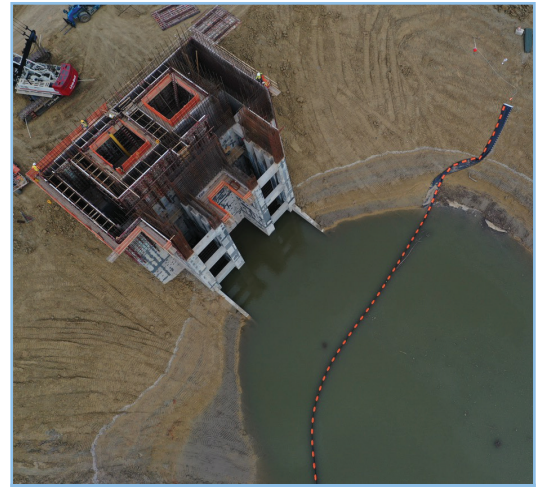
## Bois d'Arc Lake Intake and Spillway

The amount of concrete poured for the spillway in April would fill half an olympic-sized swimming pool (1600 cubic yards). The spillway (to release overflow water from the lake) will range from 15 to 42 feet high and over 1000 feet long.

Work also started on the fourth part of the intake structure's walls, building with concrete and reinforcing steel. This next level brings the tower (which will move water out of the lake for treatment) to around 80 of its eventual full height of 110 feet.



*The intake tower walls seen from the future lake.*



*Looking down at the intake tower*



*Creating a foundation for the lake spillway*



*Overhead view of the concrete spillway and walls under construction*

## Lake Operations Center

### RECENTLY COMPLETED:

The Center now has its steel frame. Workers continue to construct its concrete block walls and put in plumbing (as well as other utilities).

**UP NEXT:** Construction will focus on the Center's roof.



*Work on the frame of the Lake Operation Center*



## Treated Water Pipeline Construction Starts in July

The 25-mile pipeline that will carry treated Bois d'Arc Lake water to communities across North Texas is slated to break ground this summer. The pipeline will move clean water from the project's new treatment plant into Leonard to the existing North Texas Municipal Water District system. Pipeline installation is expected to begin in July, and some preparatory work is already underway.

NTMWD is hosting a virtual meeting on June 16 to provide information on road and traffic impacts to residents in the immediate area.

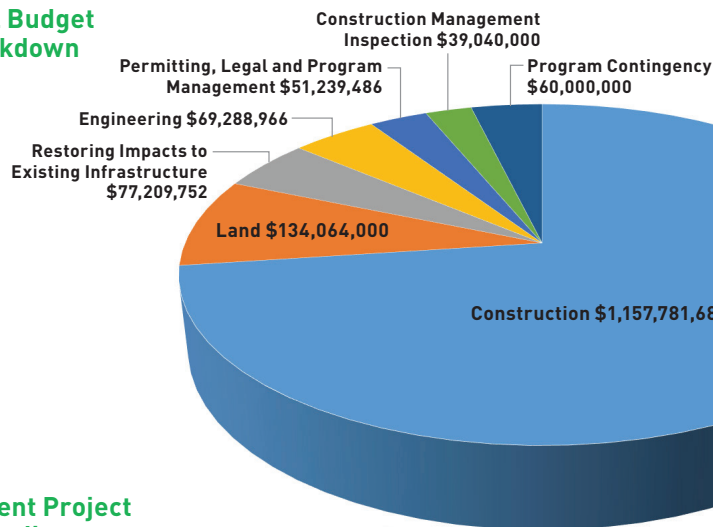


The planning, permitting, designing, land purchasing and constructing of Bois d'Arc Lake and other projects is an important investment for the future of North Texas.

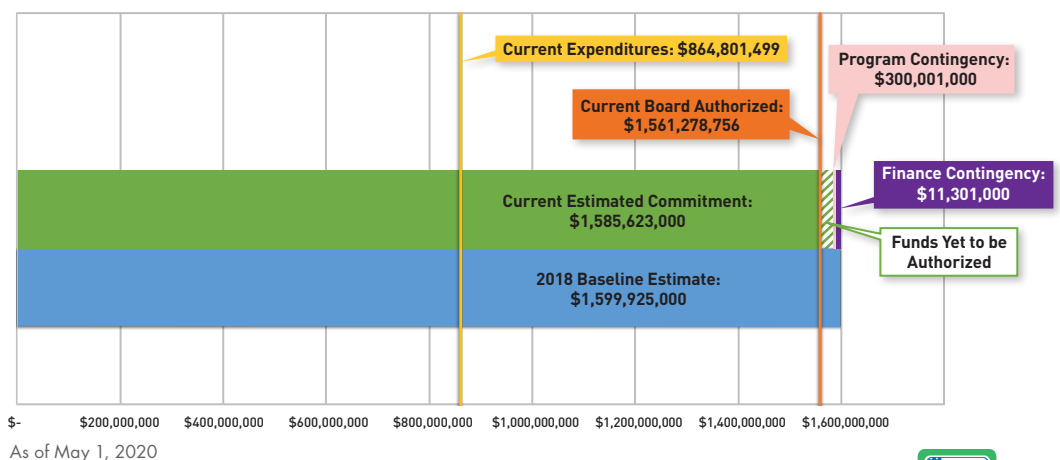
**Bois d'Arc Lake and other projects are estimated to cost approximately \$1.6 billion. These costs will be shared by the up to 80 communities who receive water from NTMWD. The Texas Water Development Board has approved \$1.47 billion for these projects through the State Water Implementation Fund for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

