



March 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 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).

- Bois d'Arc Creek is now rerouted into the Raw Water Intake Structure and through the pipes under the dam before being sent back into the creek on the north side of the dam. This rerouting is allowing crews to work on combining the east and west sections of the embankment into one continuous structure.
- Crews continue to pour concrete to increase the height of the Intake Structure which currently stands approximately 61-feet tall. When complete, it will stand about 110 feet.

FM 897 and County Roads

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

- The first portion of the new FM 897 is open to traffic. About 1.3 miles is open north of Lannius to just south of the under construction FM 897 bridge.
- Work continues on the supporting structure for FM 897, roadway sections on either side of the bridge and on nearby county roads (which will continue to be closed as necessary for construction).

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.

- Crews have planted 1,470,000 trees this planting season.
- Workers have completed restoration or enhancement on approximately 50 out of the 70 miles of streams.

Leonard Water Treatment Plant

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

- Workers have installed approximately 50% of the large diameter pipe needed on the plant site.
- The total project is 43% complete.

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 continue pipeline installation.
- Crews have completed the major structure of the pump room and have begun setting structural beams to hold up the roof.

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 slated to break ground this summer.
- Installation of the discharge pipeline for the pump station is underway, and the drilling for the foundation rock anchors has commenced.

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.

- The concrete slab for the Operations Center building has been poured.
- All utilities for the site have been completed. Work on electric for the Center continues.
- Grading has been completed at both the north and south boat ramps.

Bois d'Arc Lake Construction and COVID-19

As of the March 19, COVID-19 has not stopped construction progress on the Bois d'Arc Lake projects. NTMWVD and our contractors continue to monitor employees and follow CDC recommendations on social distancing, hygiene and limiting in-person meetings. Everyone is committed to make the necessary efforts to protect workers and the public.

FM 897 Road/Bridge and County Roads

The first section of the FM 897 roadway (south of the bridge) is now open to local through-traffic! In addition, construction crews have:

- Finished **all the FM 897 bridge columns**.
- Placed **over 32 of the 40 sections** of concrete to complete the bridge roadway.
- Completed **over 200–250 total pours** of concrete for various pieces (columns, caps, deck, etc.) of the new FM 897 bridge.
- Begun (and in some cases finished) work on all local county roads.

When complete, the FM 897 bridge will span 1.3-miles across the future Bois d'Arc Lake.



Progress on the FM 897 Bridge



A nearly complete county road bridge

Bois d'Arc Lake Raw Water Pipeline

Work is well underway for the raw water pipeline to move untreated water to the Leonard Water Treatment Plant. As of mid-March, construction crews had completed:

- **Just over 9 miles** of pipe (35 miles total)
- Around **976** pieces of pipe
- Approximately **28%** of the total pipeline

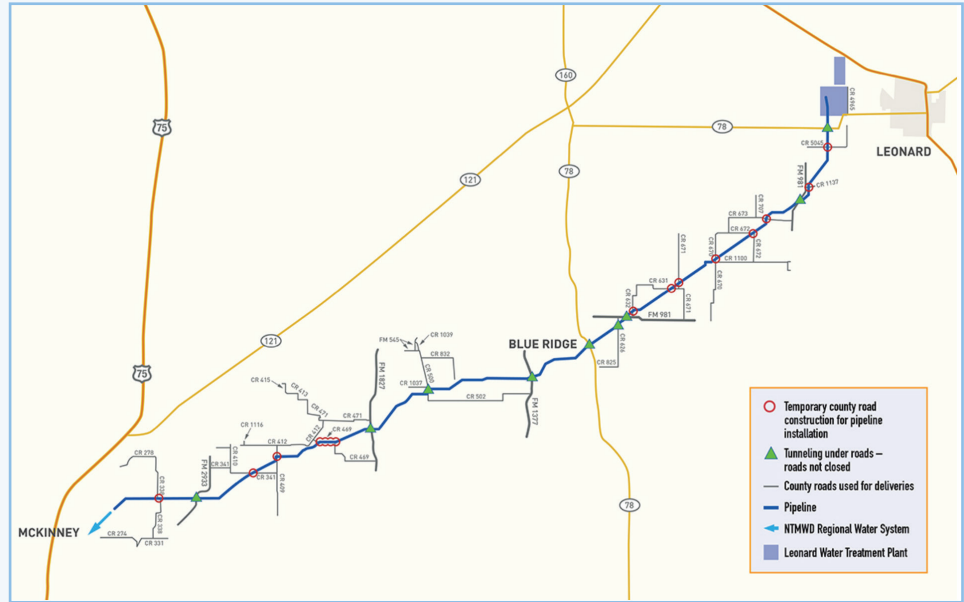


Construction crews lay 90-inch raw water pipeline

Treated Water Pipeline Construction

Construction on the treated water pipeline will begin within the next few months this spring. The new pipe will move clean water from the Leonard Water Treatment Plant into the NTMWD existing distribution system.

A public open house on what to expect during construction was planned for March 19th but was postponed as a precaution due to coronavirus (COVID-19). For more information on the project, local residents are instead encouraged to visit BoisdArcLake.org, where updates will be posted regularly. Property owners of pipeline easements have already been contacted directly.

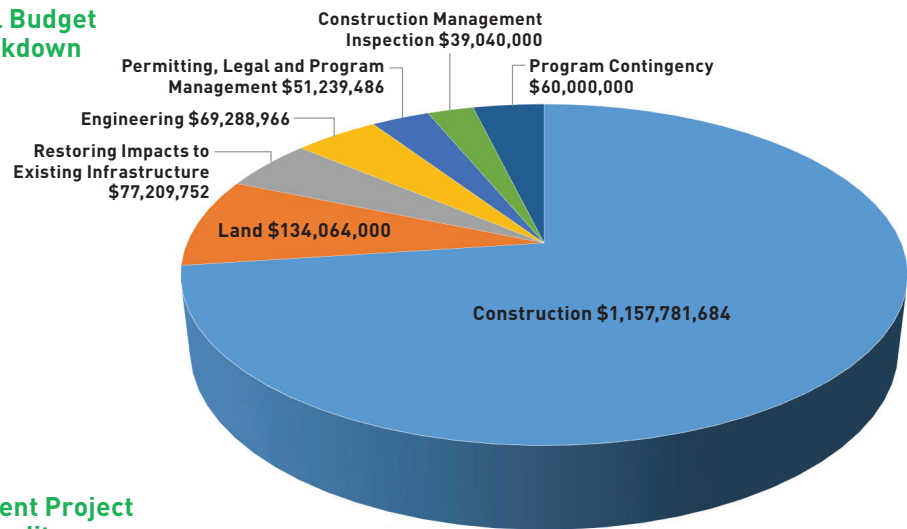


The planning, permitting, designing, land purchasing and constructing of Bois d'Arc Lake and other projects is an important investment for the future of North Texas.

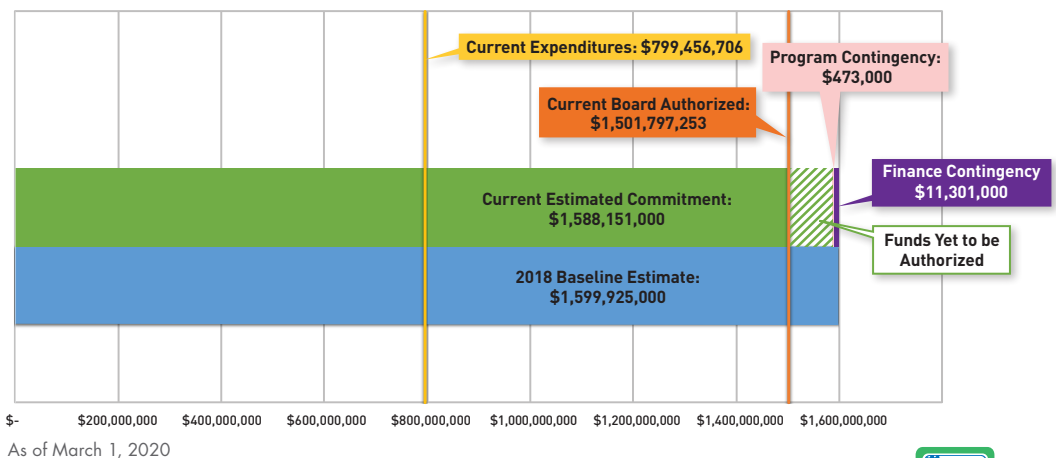
Bois d'Arc Lake and other projects are estimated to cost approximately \$1.6 billion. These costs will be shared by the up to 80 communities who receive water from NTMWD. The Texas Water Development Board has approved \$1.47 billion for these projects through the State Water Implementation Fund for Texas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

