



March 2021

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 preparation and building of a two-mile long dam embankment, service spillway and raw water intake.

- Crews have only a couple thousand yards left of soil to place in more intricate locations near the spillway before the dam is ready to begin holding water. They are also finishing the placement of soil cement on the upstream side of the dam to reduce erosion.
- Crews are wrapping up the last of their work on the spillway and the intake structure's electrical and storage building and access bridge.

FM 897 and County Roads

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

- FM 897 and all county roads are now open to traffic.

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 have finished this year's work planting trees at the Upper Mitigation site (the final trees will be planted early next spring).

Leonard Water Treatment Plant

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

- Crews are installing mechanical equipment, process piping and tanks in facilities across the site.
- Installation of electrical for various facilities is underway.

Raw Water Pump Station and Pipeline

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

- The pipeline will be fully installed and testing will begin next month. Crews will fill it with water to be pumped to test parts of the Leonard Treatment Plant as well.
- Topsoil placement and property surface restoration on the Right-of-Way (ROW) are still in progress.
- Crews continue to build and place pipes and electrical at the pump station.

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.

- Pipe continues to be laid. As the Raw Water Pipeline is completed, construction crews will continue to transition to increase the speed of this pipeline's installation.
- Additional walls and the central pipes of the pump station are being installed. Crews are also waterproofing the building.

Boat Ramp Areas and Lake Operations Center

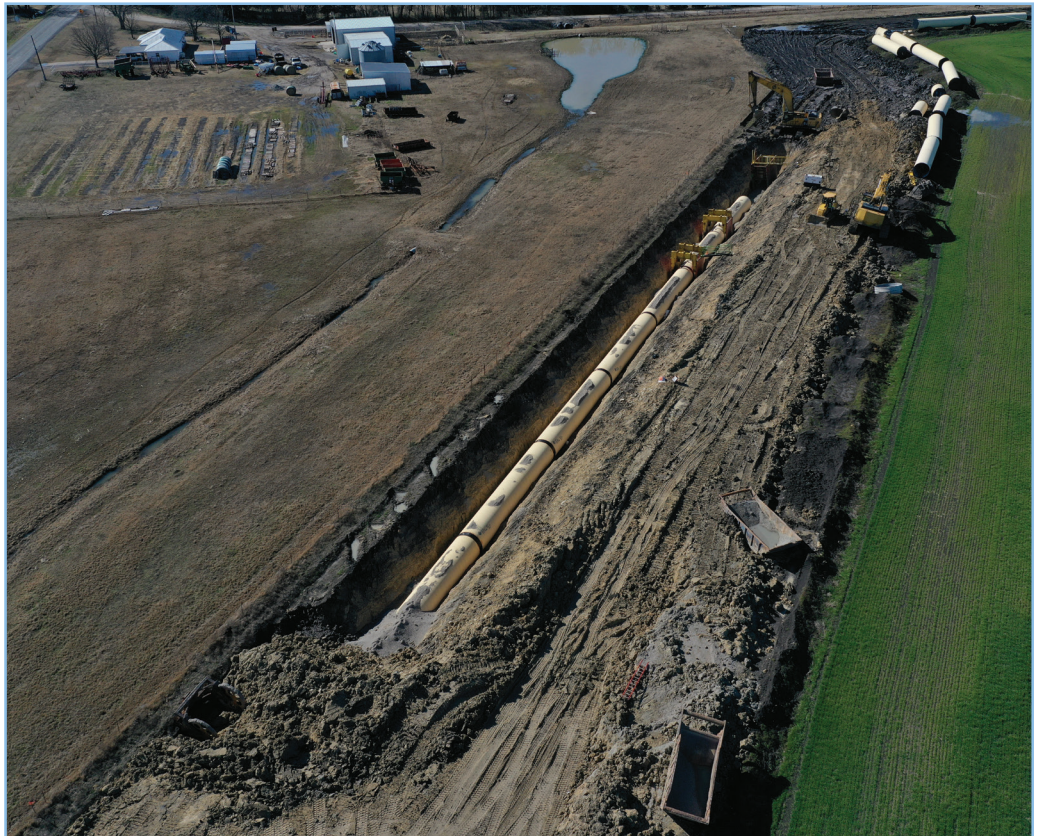
NTMWD is building three public boat ramps, a dam maintenance building and a Lake Operations Center for administrative operations and recreational and educational activities.

- Interior work (including insulation) will continue in the Operation Center. Electrical work is wrapping up.
- Crews are currently pouring foundations for the dam maintenance building and the associated warehouse.

Pipeline Testing

This coming month the raw water pipeline will undergo its first test (a hydrostatic one) to make sure it is watertight without any leaks. During this time the pipeline will be filled with water from the future lake by a temporary pumping system. The pipe will be filled with water at the pressure needed to test it for 8 hours. During that time the pipe's length will be checked for any leaks, and if needed, corrections to its construction will be made. After the test is finished, the water (then at the Terminal Storage Reservoir) will also be used to test components of the Leonard Water Treatment Plant. The raw water pipeline test will take:

- Approx. 58 million gallons of water (just under 90 Olympic size swimming pools).
- 2 weeks for the entire process.



Raw Water Pipeline that will be tested next month.

Lake Reservoir Update

About 80,000 cubic yards of soil were added to the dam this past month, bringing it very close to the level needed for impoundment. Crews are also placing soil cement (a combination of sand, water and cement) on the lake-facing side of the dam, which helps protect the dam from erosion. This also needs to be completed before the reservoir can begin holding and releasing water.



Soil cement is placed on the dam to protect against water erosion.

Spotlight: Successfully Surviving Deep Freeze

The recent subzero stretch may have frozen work for a few days. However, the winter weather did not cause any major delays or damage any progress on the lake or associated projects.



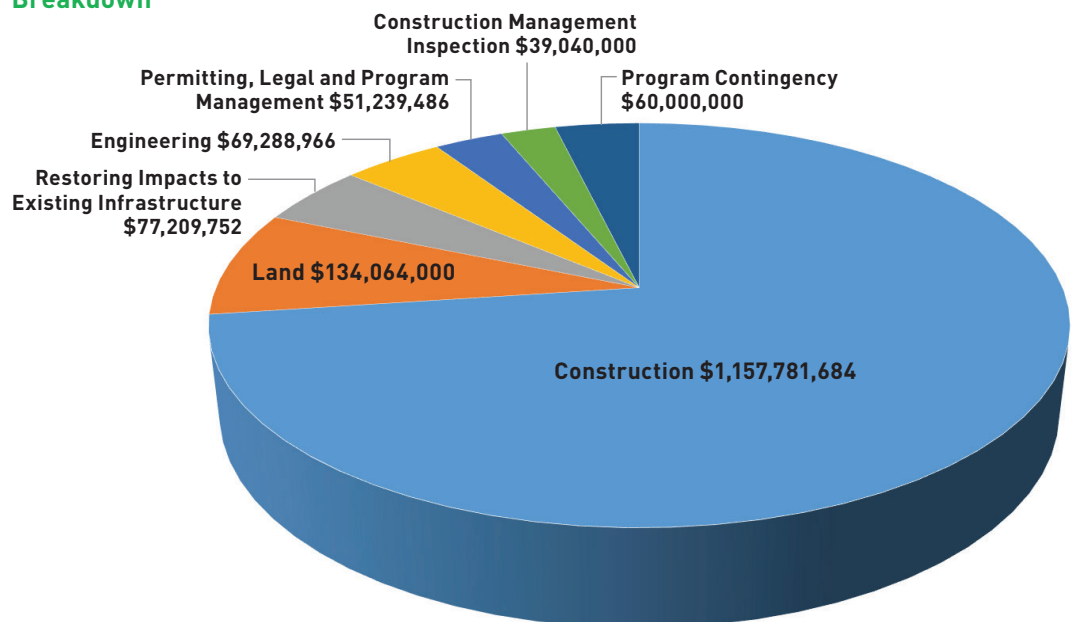
A snapshot of the dam embankment and intake structure taken during February's winter storm.

Current Cost Summary

Bois d'Arc Lake planning, permitting and construction is an important investment for 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.

Total Budget Breakdown



TIMELINE FOR PROJECTS

