



June 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.

- As of June 21, the lake is approximately at the 513 foot elevation. Crews will continue placing the remaining 10 vertical feet of dirt to complete the dam and are also finishing placement of the soil cement.
- Work on the spillway's labyrinth weir and spillway bridge are the only major concrete construction remaining at the dam.

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 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.

- Monitoring of tree planting growth continues. Maintenance and final construction work continue on streams and other restoration projects.

Leonard Water Treatment Plant

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

- Crews are installing mechanical equipment, process piping control and electrical components in facilities across the site.
- Workers will finish grading on the east side of the site prior to paving.

Raw Water Pump Station and Pipeline

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

- Workers are continuing to restore grass above the buried pipeline and are working on the final welding of the pipe.
- Electrical transformers are on-site awaiting final ductbank and wiring to connect power from the FCEC distribution line.

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 lighting and electrical at the pump station are being installed.

Boat Ramp Areas and Lake Operations Center

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

- Interior work (including insulation) will continue in the Operation Center. Storefront windows are being installed.
- The warehouse is being cleaned out, and its electrical, restrooms and fixtures are now installed.
- All three boat ramps and their parking lot areas are completed.

Bois d'Arc Lake Water Level

The recent rains around Bois d'Arc Lake have many people wondering about the lake's water level. Now, you can find that information on the Bois d'Arc Lake website's [lake level page](#).

While construction continues, the reservoir's elevation is set at 511 feet. Until construction is completed, anything above 511 feet will flow over the service spillway into Bois d'Arc Creek.

Because the lake is still under construction, it is not open for fishing or other recreational activities. Coordination efforts with other agencies are on-going to determine when to safely open the lake after its completion.



Only the upper portion of the 110-foot-tall intake structure remains visible above the water at the lake.

Update on the Dam & Reservoir

While the lake fills, work continues at the dam site. The dam embankment's current elevation is approximately 545 feet, around 10 feet from its final elevation (554.5 feet).

The intake tower is now structurally complete, and its bridge is finished as well.

In addition to the final feet of the embankment, crews are finishing up the soil cement to help protect the embankment from erosion, and the construction of the weir on the spillway that controls the flow of water over the spillway and back into Bois d'Arc Creek.



A close-up of the spillway as water flows out of the lake during recent rains.

Spotlight: Lake Substations Partnership Benefits NTMWD & Fannin County

Work is currently underway on two major substations that will not only provide electricity for the Bois d'Arc Lake project, but also for the future of Fannin County. The two substations are under construction at the lake's raw water pump station (which will move the water to Leonard) and another at the Leonard Water Treatment Plant (to power operations that treat the lake's water). While two transformers at each of the stations will be dedicated to converting electricity specifically for NTMWD, the substations will also benefit Fannin County Electric Cooperative by making it easy to add transformers in the area. This will help the cooperative expand their footprint for a lower cost as the region's population continues to grow. "It will allow us to add controls to an existing control house," explained Tim Kidwell, project manager with the Fannin County Electric Cooperative. "We won't have to start from scratch on everything... We're looking to the future."



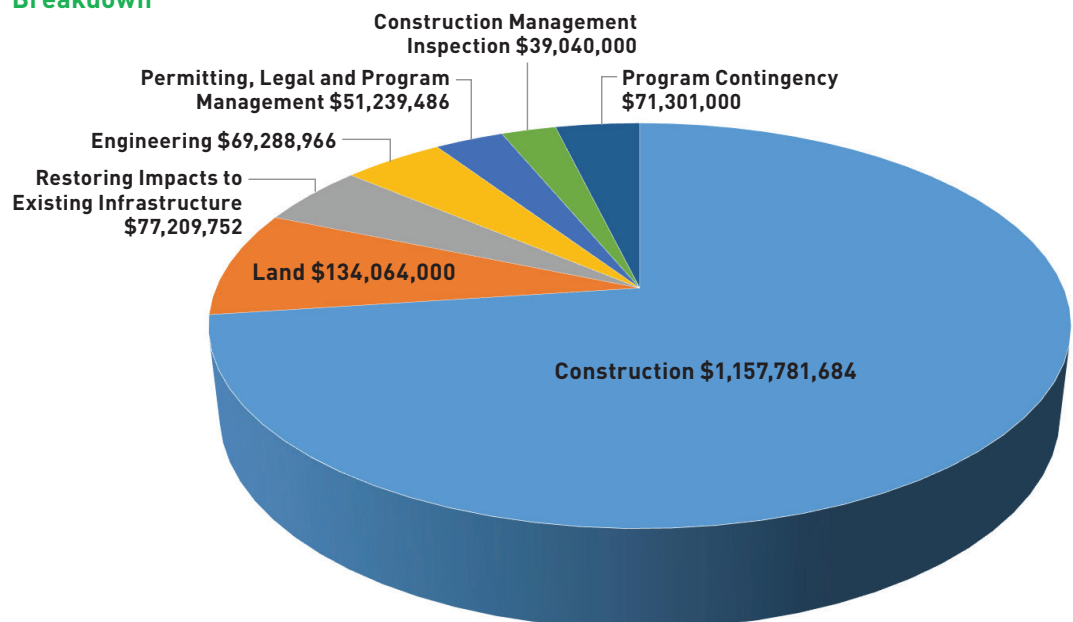
Electrical substation that will power the Leonard Water Treatment Plant.

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

