



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

- Crews are placing the last 300,000 cubic yards of earth before water is impounded, or captured (an additional 300,000 will be placed to finish the dam after this occurs).
- Crews are wrapping up the last of the spillway walls and continue to work on the top deck of the intake structure (which will be poured this month) as well as the intake 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.

- Improvements to the Willow Branch Creek are finished. Additional work continues on nearby wetlands as well as forest and woodland areas.
- Workers are preparing the upper Bois d'Arc Creek mitigation area for tree plantings this winter.

Leonard Water Treatment Plant

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

- A number of the more treatment-specific aspects of the plant are being built/connected on structures across the site.
- The operations building for the plant is being painted and drywall, doors, floor finishes and metal roofing are being installed.

Raw Water Pump Station and Pipeline

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

- 92% of the pipeline is now installed.
- Crews have delivered all of the raw water pipe and completely finished installing the first section. The goal is to have the remaining two sections of the pipeline installation complete by end of January 2021.
- Topsoil placement and property surface restoration on the Right-of-Way (ROW) are in progress.
- Crews continue to build and place panel walls, 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.

- Pipeline continues to be delivered, and installation of pipe began this month. Tunneling under roads continues.
- All roof beams are installed at the High Service Pump Station, and crews are ready to install the structural roof.

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.

- Outside details are being completed on the Lake Operations Center, and crews just began pouring the pavement for the Center's parking lot.
- Construction continues on the warehouse and other NTMWD facilities and recreation projects near the lake.

Treated Water Pipeline Installation Begins

This month, teams lowered and buried the first massive, 7x50-foot piece of the treated water pipeline. This pipe will carry treated water from the Leonard Water Treatment Plant to North Texas Municipal Water District's existing network of pipelines—and from there, to taps across North Texas.

Sixty-five percent of the pipeline has been trucked and delivered to locations where it will be installed. Each piece is being lowered by an excavator into trenches dug out over the past several months. After installation, the trenches will be backfilled with dirt. Crews are about 85% finished tunneling under roads/streams in preparation for pipe installation through those as well.



Crews survey the test piece of pipeline after it has been laid..

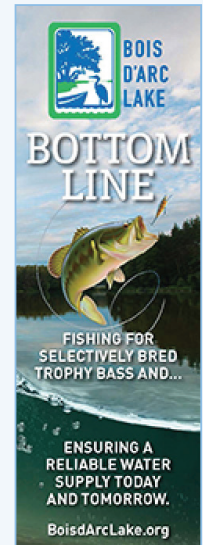
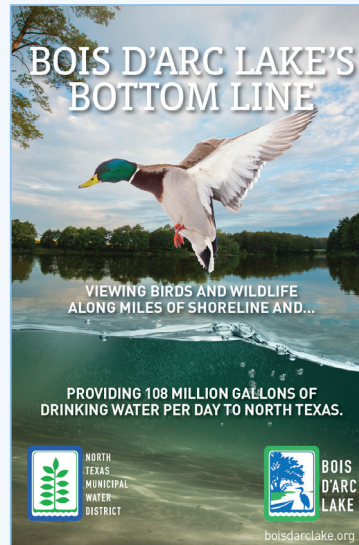


Crews begin installing the first sections of the 25-mile treated water pipeline, working their way toward the regional connection point in McKinney.

- **Project = 3,000 individual pieces of pipe**
- **Each piece of pipe = nearly 28,000 lbs. and 7ft. tall x50 ft. long**
- **Will use ¼ million tons of extra aggregate (rock, sand, etc.)**
- **¾ mile of tunneling to lay pipe**
- **Construction expected to take 2 years**

Spotlight: New Bois d'Arc Lake Graphic Campaign

Bois d'Arc Lake will be a key drinking water source and provide a variety of recreational opportunities after completed. We are celebrating some of these important future uses—water source, boating, fishing, nature viewing—in a new graphic ad campaign. Each ad shares how the lake will provide key water for our region or touches on the recreational and economic benefits it will offer to those in Fannin County and across North Texas.

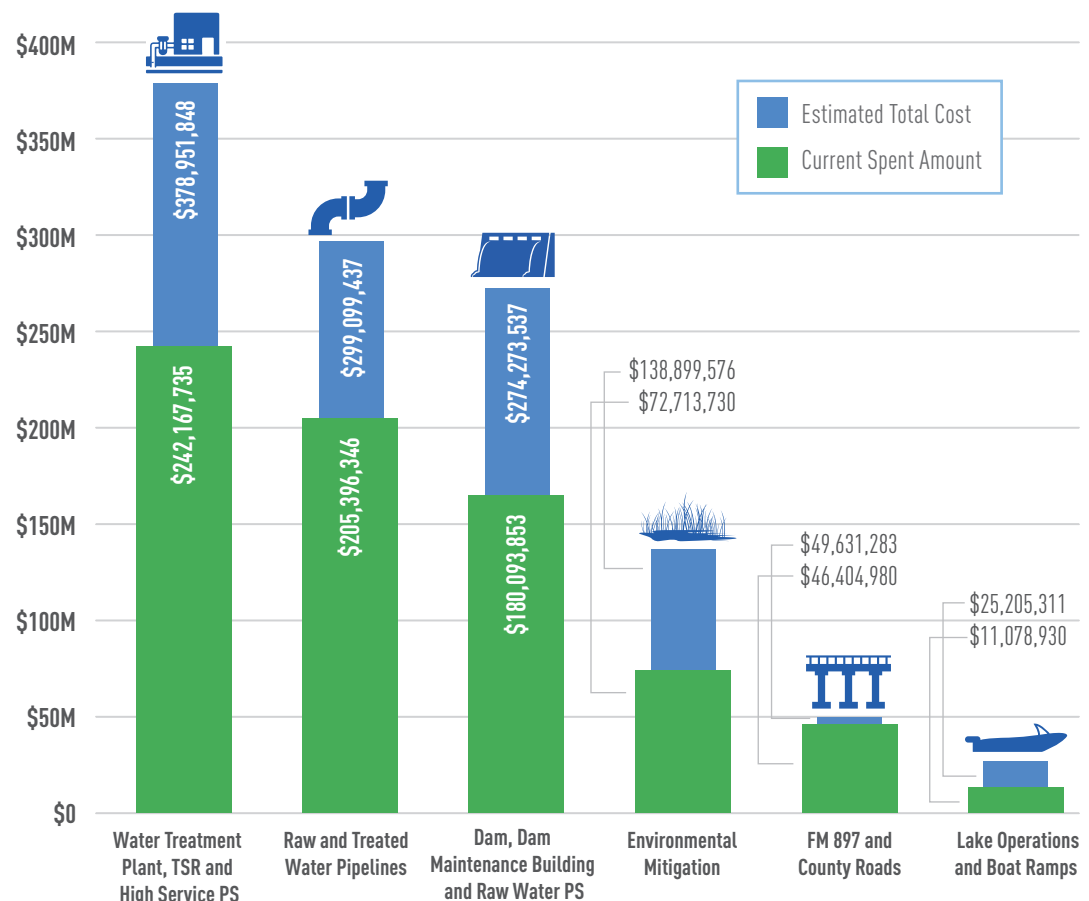


Current Cost Summary

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. 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.

Budget Status for Bois d'Arc Lake Project – By Each Part
Current Amounts Spent Compared with the Estimated Total Costs*



As of December 1, 2020 *Figures are for construction costs only; do not include all project costs.

TIMELINE FOR PROJECTS

