

July 2019

MONTHLY PROGRESS REPORT



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 2-mile-long dam embankment, and the service spillway (to return overflow water to Bois d'Arc Creek).

- Crews continue to complete the walls of the intake tower and conduits that will be used to move lake water through the tower (so it can be piped out for treatment).
- Clearing of trees/brush from the reservoir area will continue later in August/September when crews remobilize to the site.

FM 897 and County Roads

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

- Crews have begun laying deck panels on a portion of the new FM 897 bridge.
- Work continues placing substructure/columns and moving earth for FM 897, with significant work on the section north of the bridge to prepare it for paving.
- Crews are well underway on building bridges and paving for county roads, with several near completion.

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.

- Work continues to restore streams, plant grassland cover crops, plow, and conduct controlled burns/herbicide treatments.

Leonard Water Treatment Plant

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

- Despite wet weather in June, excavation of the sediment drying lagoons and access road construction continue.
- Crews are pouring concrete for all structures on site.

Raw Water Pump Station and Pipeline These will pump untreated water out of the reservoir and carry it 35 miles to the new treatment plant.

- Excavation is complete and concrete is being poured for the raw water pump station.
- Slab and wall pours continue for the raw water pump station. Work on discharge piping installation started this month.
- Deliveries began in June for raw water pipe materials.

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.

- Excavation for the Treated Water Pump Station has started. Structural work to commence in the next few months.
- Procurement of Treated Water Pipeline material is complete. Manufacturing the pipe itself will begin shortly.

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.

- Operations center and boat ramps.
- Procurement and evaluation of bids has been completed.
- The NTMWD Board will review the proposed contracts in August. If approved, construction could begin in Fall.

FM 897 and County Road Construction

Accomplishments

- FM 897 clearing and construction continues. Work to build up and prepare the north and south sections of 897 have brought them nearly to finished grade (final height).
- To date, crews working on FM 897 bridge have completed:
 - All tree clearing around the bridge
 - Nearly half of its supporting columns/caps
 - Just under 20% of the deck panels (laid on top of the columns and caps to form the road base)
 - 45 of the 300 bridge beams
- County road work is moving forward on almost all sites, with three roads and their bridges nearly complete.



First section of FM 897 taking shape with columns (vertical), caps and beams (horizontal) and deck paneling (one part of driving surface) in place.



Workers stand by a bridge they are completing on one local county road.

Up Next

- The detour road for FM 897 should be completed by the end of July.
- Crews will continue finishing county roads and building FM 897 section by section.

Mitigation Work

Accomplishments

- Cover crops and grasses planted in mitigation areas are beginning to sprout.
- Extensive work is underway to improve the ecosystem habitats and health of various local streams. This is accomplished primarily by restoring them to a more natural, meandering form with vegetated banks. Crews are at work digging out stream curves, planting live stakes (or tree/bush cuttings) along riverbanks and adding rocks to creek bottoms.
- Controlled burns, plowing and herbicide treatments are also currently underway.



Mitigation workers plant live stakes to restore vegetative support for streambanks.



A recreated curve in one local stream. Restoring it to a more natural meandering shape helps improve stream health.

Up Next

- Crews will continue most of the above activities throughout this summer.

Project Spotlight: Bois d'Arc Lake and Benefits Featured in the News

In their recent story, "[First New Major Reservoir in Decades Under Development in Fannin County](#)," the Texas Contractor highlighted how Bois d'Arc Lake will provide long-term recreational as well as environmental and construction-related economic benefits.

"A project such as this benefits not just our local tax base by helping to bring in more people who will spend their money in Fannin County, but it also encourages businesses to start up to help serve the increased traffic," the article shared, quoting Dale McQueen, Executive Director of the Bonham Area Chamber of Commerce. "We are thankful that NTMWD has had the foresight to continue this project over the past 15 years ... and we look forward to working with them over the next few decades to help make this a wonderful success for both them and Fannin County."

TEXAS CONTRACTOR

People Projects Trends Events



First New Major Reservoir in Decades Under Development in Fannin County

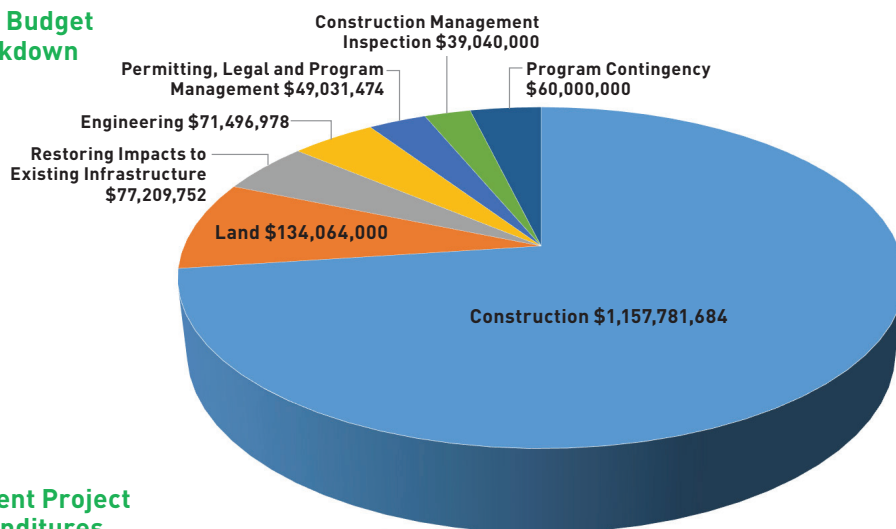
By Erica Bender

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.

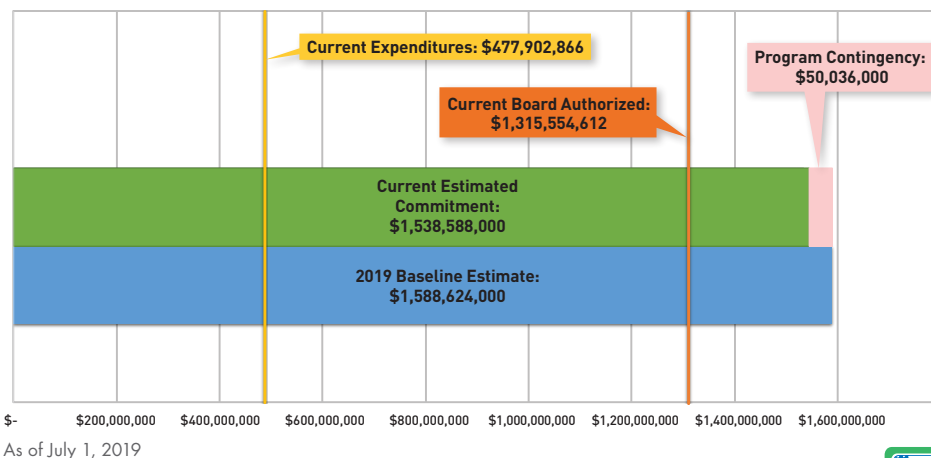
Bois d'Arc Lake and other projects are estimated to cost approximately \$1.6 billion. These costs will be shared by the up to 80 communities who receive water from NTMWD. The Texas Water Development Board has approved \$1.47 billion for these projects through the State Water Implementation Fund for Texas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

