

February 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).

- Last month crews finished clearing all shrubs/trees from the future reservoir area.
- Work is underway to build both sections of the dam. The sections will be joined together to form one earthen embankment structure later this spring.
- Crews continue to pour concrete for the dam's intake structure, to move water from the lake, and spillway, to release overflow water back into Bois d'Arc Creek.

FM 897 and County Roads

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

- Crews completed the eleventh pour of deck concrete (out of 20 total) for the FM 897 bridge across the future Bois d'Arc Lake.
- 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 1,070,000 trees this year (as of February 20).
- Workers continue to restore streams, work on forested wetland restoration, remove fencing and other related mitigation.

Leonard Water Treatment Plant

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

- Both the plant's terminal storage reservoir and buildings across the site are well underway.
- The total project is more than 30% complete.

Raw Water Pump Station and Pipeline

These will pump water out of the reservoir and carry it 3.5 miles to the new treatment plant.

- Crews continue pipeline installation.
- Crews have completed the major structure of the pump room and will be installing the structural beams for the roof in the next few months.

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 later this spring.
- 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 contractor will pour the concrete slab for the Operations Center building in the coming weeks.
- Work on in-ground utilities continues on two of the three boat ramps.

Bois d'Arc Lake Operations Center and Ramps

The Operation Center has begun to take shape over the past month with crews...

- Completing the excavation for the center structure.
- Placing all concrete footings and grade beams for the foundation.
- Starting to lay electrical and plumbing for the building.

Crews have also been busy grading and filling all three of the public boat ramps, with the north boat ramp excavation completed in January.



The footprint of the future Lake Operations Center and other buildings, with the new FM 897 in the background.

Leonard Water Treatment Plant

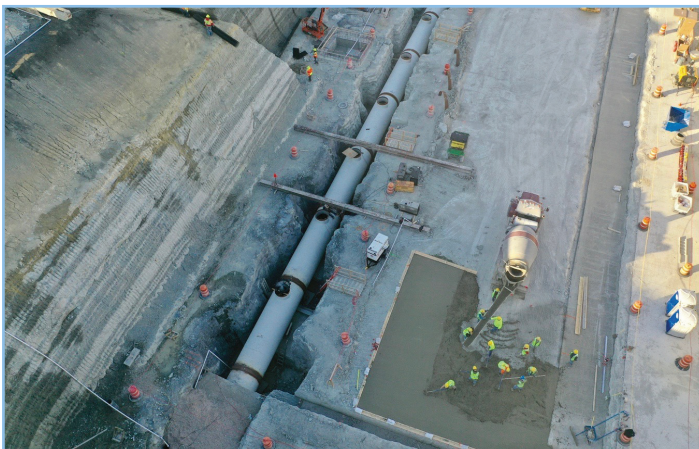
Substantial work has been completed on buildings all across the Leonard site--slabs being laid, walls being formed/reinforced and electrical equipment being placed. Check out the following photos to see current progress:



Workers continue to create the Terminal Storage Reservoir, to hold lake water at Leonard before treatment.



Contractors poured more than 1250 cubic yards of concrete to create the reclaim basin slab.



Crews pour the "mud mat" slab to create the foundation for the treated water pump station.



The steel structure of the Operations Center is beginning to give it shape.

Bois d'Arc Lake Mitigation Receives Award

Earlier this month the Environmental Business Journal (EBJ) honored RES with a Project Merit award for their work at the Bois d'Arc Lake Mitigation Project.

The EBJ Business Achievement Awards recognizes outstanding work by business leaders and innovators in the environmental industry.

RES's award acknowledges their incredible progress during this first year of work at the Bois d'Arc Lake mitigation site and the project's long-term benefits to the local watershed.

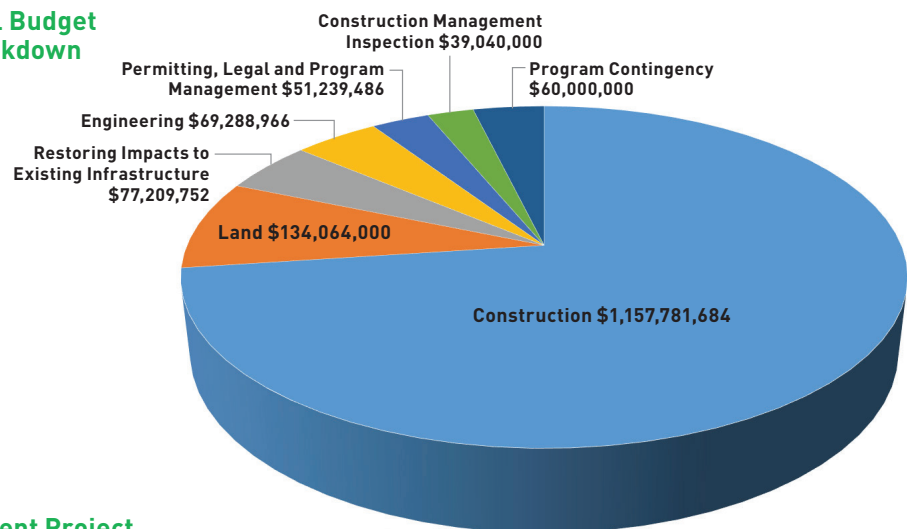


The planning, permitting, designing, land purchasing and constructing of Bois d'Arc Lake and other projects is an important investment for the future of North Texas.

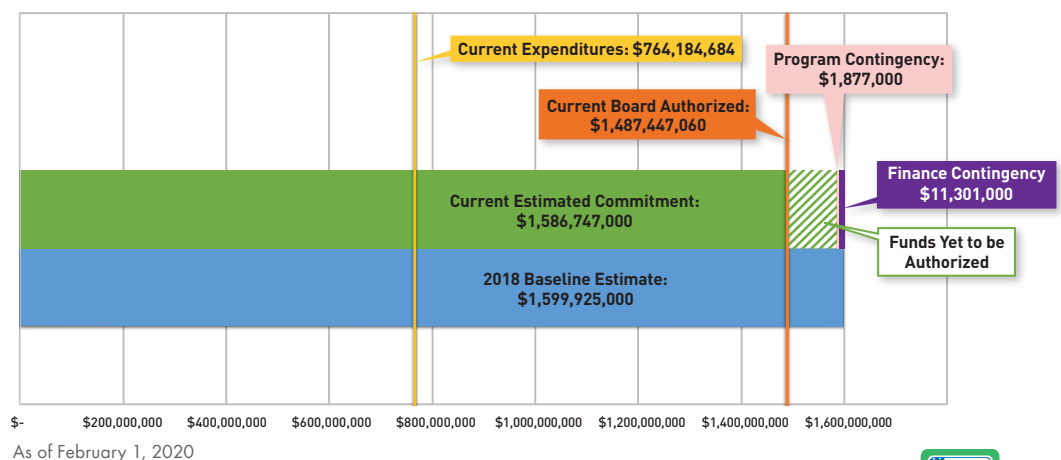
Bois d'Arc Lake and other projects are estimated to cost approximately \$1.6 billion. These costs will be shared by the up to 80 communities who receive water from NTMWD. The Texas Water Development Board has approved \$1.47 billion for these projects through the State Water Implementation Fund for Texas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

