

# Fourche Maline Creek Watershed Dam No. 7 Rehabilitation Project Latimer County, Oklahoma

## History of the Dam:

Fourche Maline Creek Watershed Dam No. 7, known as Lake Lloyd Church, is located 3.7 miles southwest of Wilburton, Oklahoma in Latimer County.

The dam was built in 1964 by the City of Wilburton, the Latimer County Conservation District and the Fourche Maline Creek Conservancy District No. 10 with the assistance of the Oklahoma Conservation Commission and the USDA Natural Resources Conservation Service (NRCS) Watershed Protection and Flood Prevention Program.

The dam is 65 feet in height and it creates a 225 surface lake. The primary purpose of the dam is flood control, but it also provides a source of municipal water for the City of Wilburton and surrounding rural water districts. The city paid for 2,875 acre feet of additional water storage for municipal water storage when the dam was constructed.



Dam prior to rehabilitation

## Why Rehabilitate the Dam?

The dam will be rehabilitated to meet regulations of the U.S. Department of Agriculture's NRCS and the Oklahoma Water Resources Board dam safety criteria and to increase the water storage for the City of Wilburton.

## Rehabilitation Details

The top of the dam will be raised six feet, making the embankment 71 feet high and increasing the lake's water storage capacity. The current design for rehabilitation of the dam has a 150-foot-wide combination principal and auxiliary spillway that includes a reinforced concrete labyrinth weir crest structure over the dam embankment, two ports within the labyrinth weir walls for principal spillway discharge, a reinforced concrete chute spillway, and a stilling basin.

Construction is expected to begin in the Fall of 2023. The project will cost an estimated \$14 million. The local watershed project sponsors share would be \$4.9 million and federal funds would finance the balance. The work will take two years to complete

## Benefits:

Rehabilitation will extend the life and benefits of the dam for another 100 years and provide flood protection for rural areas and homes and downstream. It will also ensure a quality water supply for the City of Wilburton and surrounding rural water districts providing water to over 5,000 people.

## Project Partners:

- Latimer County Conservation District
- City of Wilburton, Oklahoma
- Oklahoma Conservation Commission
- USDA NRCS

## For More Information Contact:

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