NORTH TEXAS MUNICIPAL WATER DISTRICT

Regional Service Through Unity… Meeting our Region's Needs Today and Tomorrow



BOIS d'ARC LAKE UPDATE

Fannin County Commissioners Court

July 7, 2020

Steve Long, P.E.

Reservoir Project Manager



BOIS D'ARC LAKE UPDATE

Agenda

- Pre-impoundment Items Status
- Utility Conflict Status
- CMAR 5 Raw Water Pipeline Installation
- Bois d’Arc Lake Raw Water Pump Station

NORTH TEXAS MUNICIPAL WATER DISTRICT



BOIS D'ARC LAKE UPDATE

Program Component	Pre-Impoundment Items Status
Archeology	
Boat Ramps	
Clearing	
Dam	
Program Coordination	
Raw Water Pipeline	
Utility Coordination	

Critical Coordination Required – Little schedule float; Near Impact to Impoundment Date

Effort on Schedule

Complete – Ready for Impoundment



BOIS D'ARC LAKE UPDATE

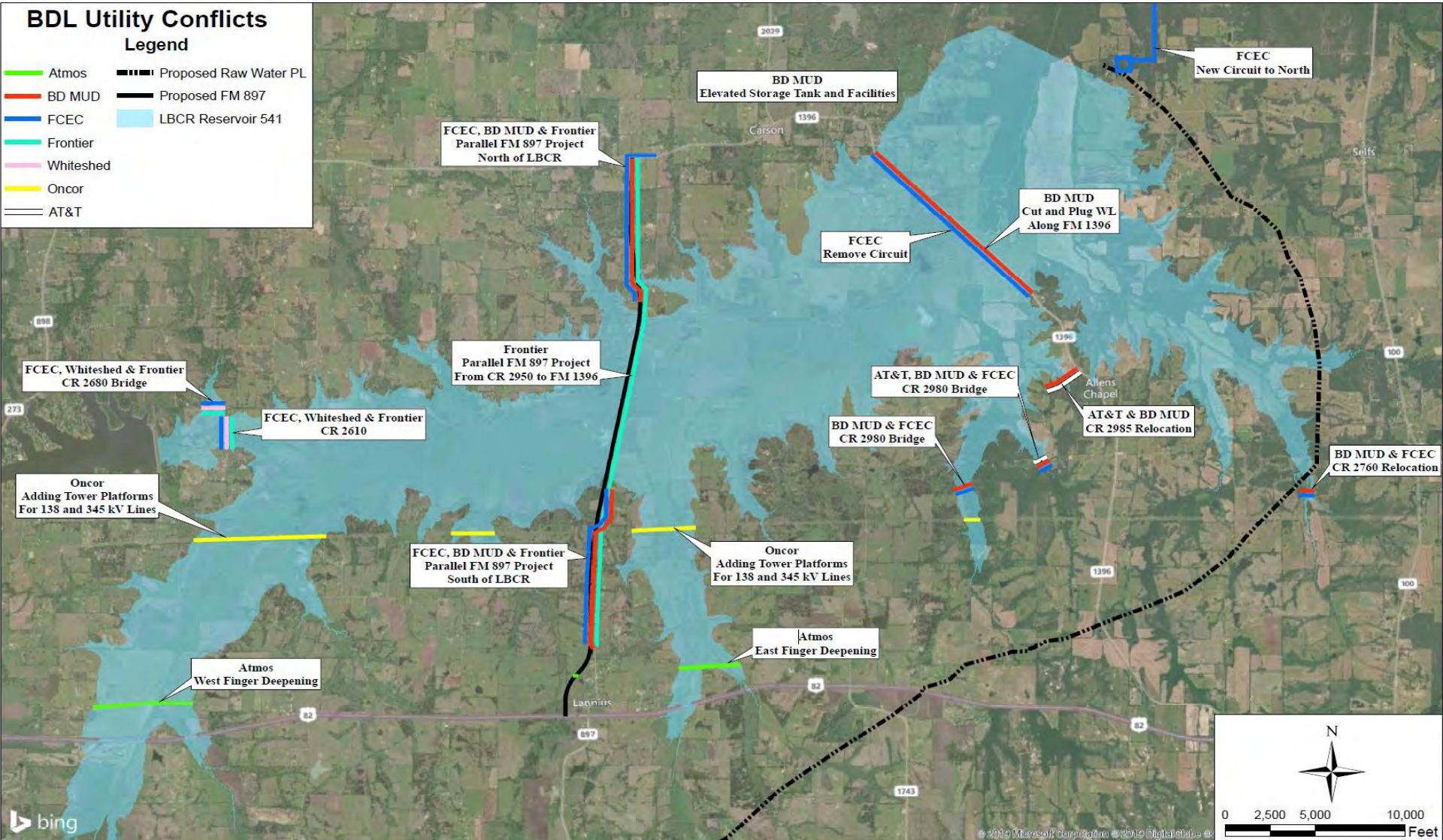
Utility Conflict Status

- Bois d’Arc Municipal Utility District (BD MUD)
- Fannin County Electric Cooperative (FCEC)
- Atmos Energy (Atmos)
- Oncor Electric Delivery (Oncor)
- Frontier Communications (Frontier)
- White Shed WSC (White Shed)
- AT&T

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BOIS D'ARC LAKE UPDATE





BOIS D'ARC LAKE UPDATE

Bois d’Arc MUD

- Agreement November 2014
  - Water system severed by Bois d’Arc Lake
  - New well, elevated storage tank, piping
- 3 Amendments
  - Pipelines in conflict with FM 897
  - Pipelines in conflict with Fannin County Roads and Bridges
  - Extend water service to the Lake Operations Center
  - **Work nearing completion**



BOIS D'ARC LAKE UPDATE

Fannin County Electric Cooperative

- Electrical System Severed by Bois d'Arc Lake (3 circuits)
  - 5 Agreements – **22 projects**
  - Relocations in conflict with BDL nearing completion
  - Power supply to Leonard and BDL RWPS underway

Atmos Energy

- Relocate 13,000 feet of 10-inch high pressure gas line
  - 3 locations – Bullard Creek, FM 897, & Bois d'Arc Creek
  - **Work nearing completion**

Oncor Electric Delivery

- Raise 138,000 & 345,000 volt circuits 3 locations
  - **Work is complete**

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BOIS D’ARC LAKE UPDATE UPDATE

FCEC Substation Bois d’Arc Lake Dam

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BOIS D'ARC LAKE UPDATED

Oncor HV Power Lines at FM 897



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BOIS D'ARC LAKE UPDATE

Oncor HV Power Lines at Bullard Creek





BOIS D'ARC LAKE UPDATE

Frontier Communications

- Relocate fiber optic cable in FM 897
  - **Work is complete**

White Shed Water Supply Corporation

- Relocate water lines
  - **Work is complete**

AT&T Texas (Southwestern Bell Telephone Co.)

- Relocate copper telephone lines
  - **Work is complete**

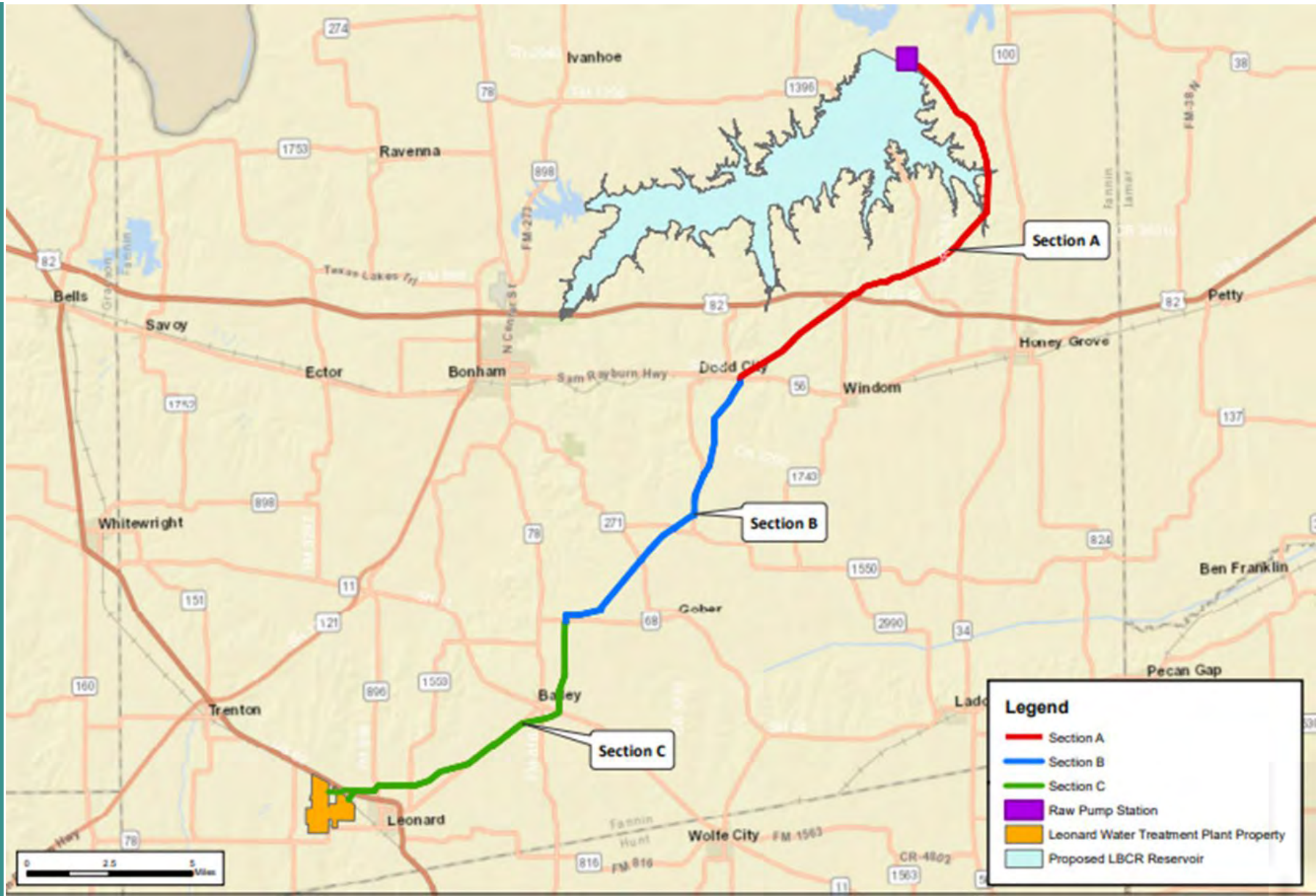


BOIS D'ARC LAKE UPDATE

CMAR 5 Garney – Raw Water Pipeline

- 3 Sections
- 35 miles - 90-inch Diameter Steel Pipe
- Clearing **100% complete**
- Topsoil stripping **96% complete**
- Pipe delivery **96% complete**
- Tunneling **100% complete**
- **Pipe installation – 53%**

BOIS D'ARD LAKE - RAW WATER PIPELINE

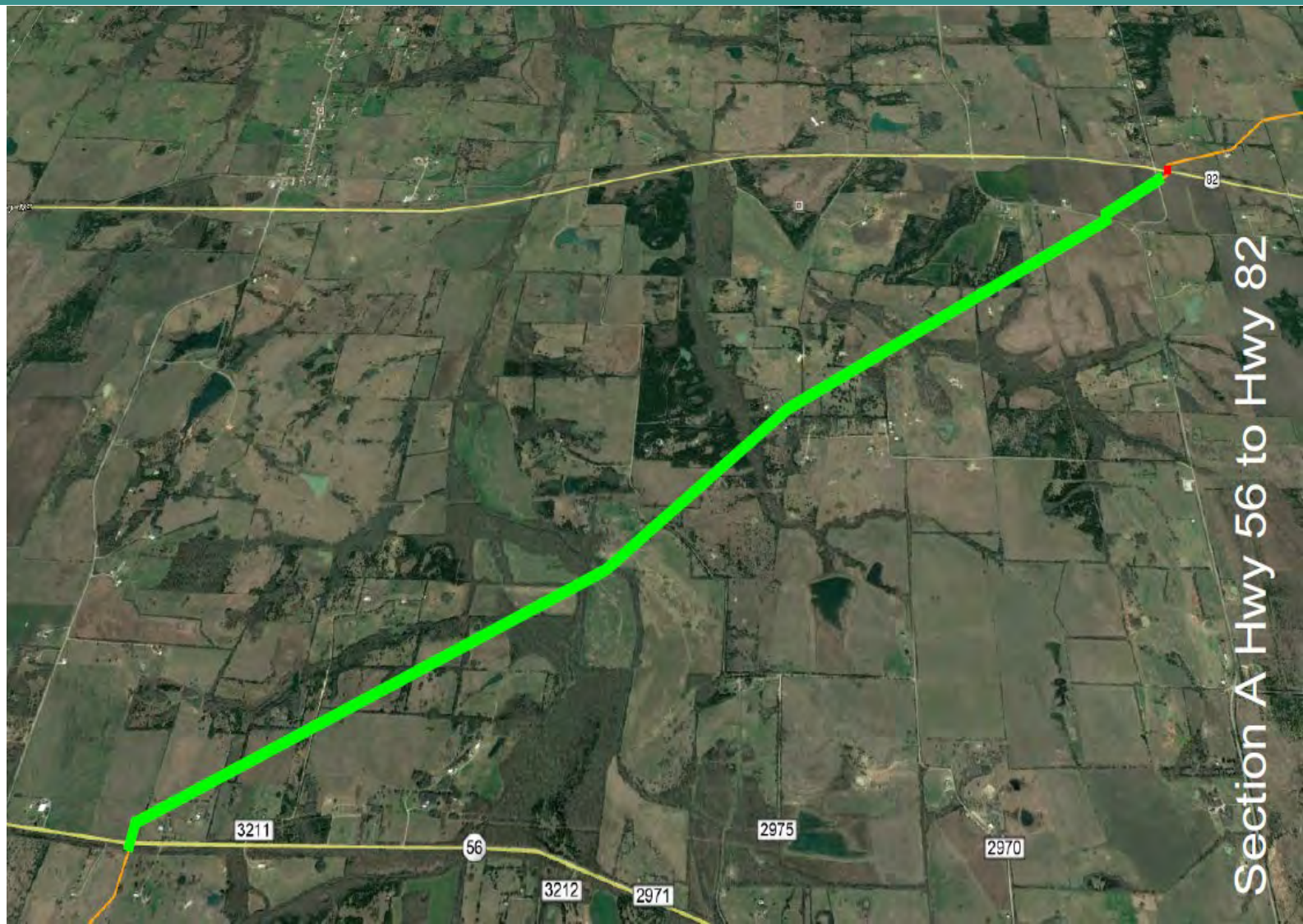


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BOIS D'ARC LAKE UPDATE

Bois d'Arc Lake Raw Water Pipeline Section A



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BOIS D'ARC LAKE UPDATE

Bois d'Arc Lake Raw Water Pipeline Section A

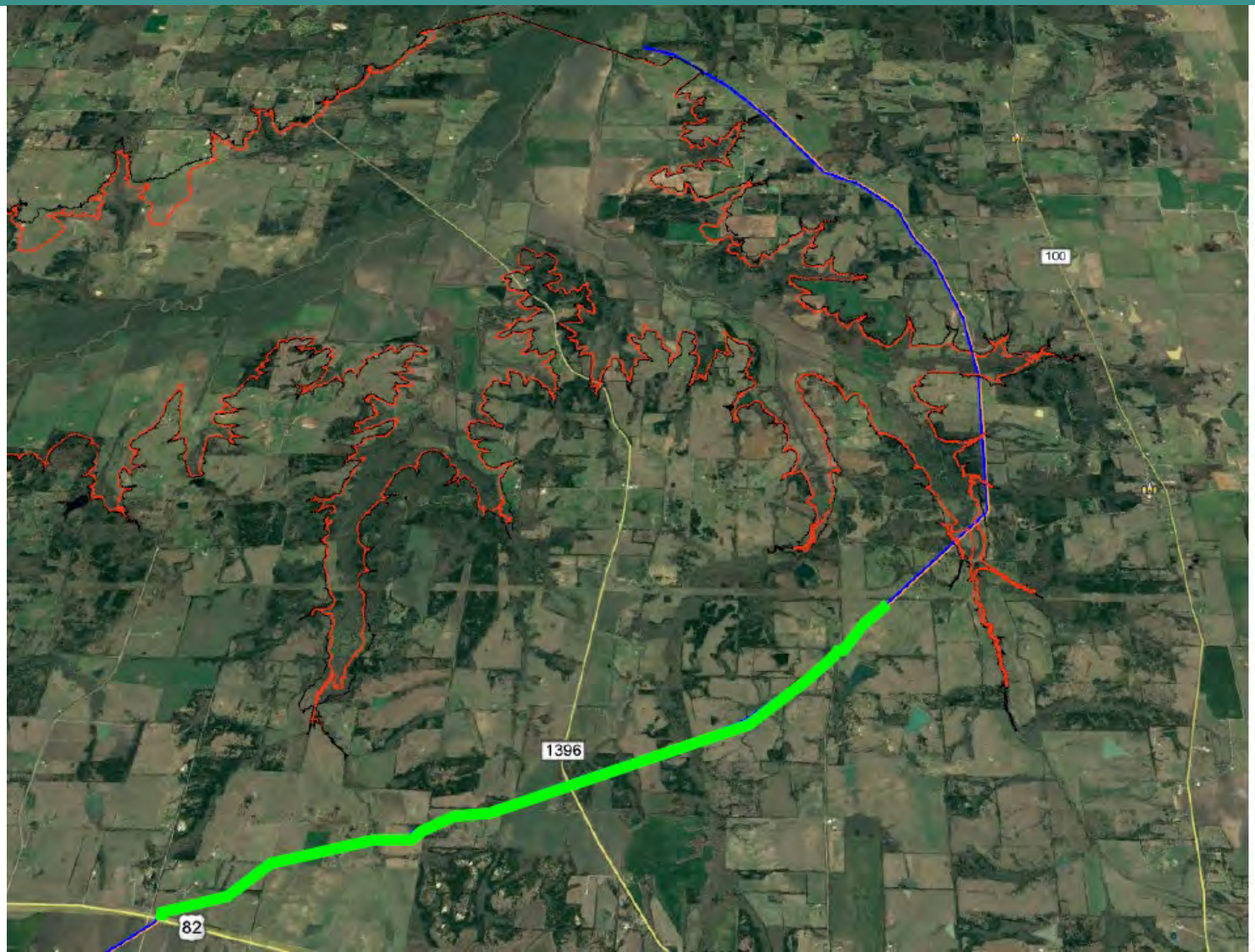


NORTH TEXAS MUNICIPAL WATER DISTRICT



BOIS D'ARC LAKE UPDATE

Bois d'Arc Lake Raw Water Pipeline Section A



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BOIS D'ARC LAKE UPDATE

Bois d'Arc Lake Raw Water Pipeline Section A

NORTH TEXAS MUNICIPAL WATER DISTRICT



BOIS D'ARC LAKE UPDATE

Bois d'Arc Lake Raw Water Pipeline Section B



Section B

NORTH TEXAS MUNICIPAL WATER DISTRICT



BOIS D’ARC LAKE UPDATE

Bois d’Arc Lake Raw Water Pipeline Section B



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BOIS D’ARC LAKE UPDATE

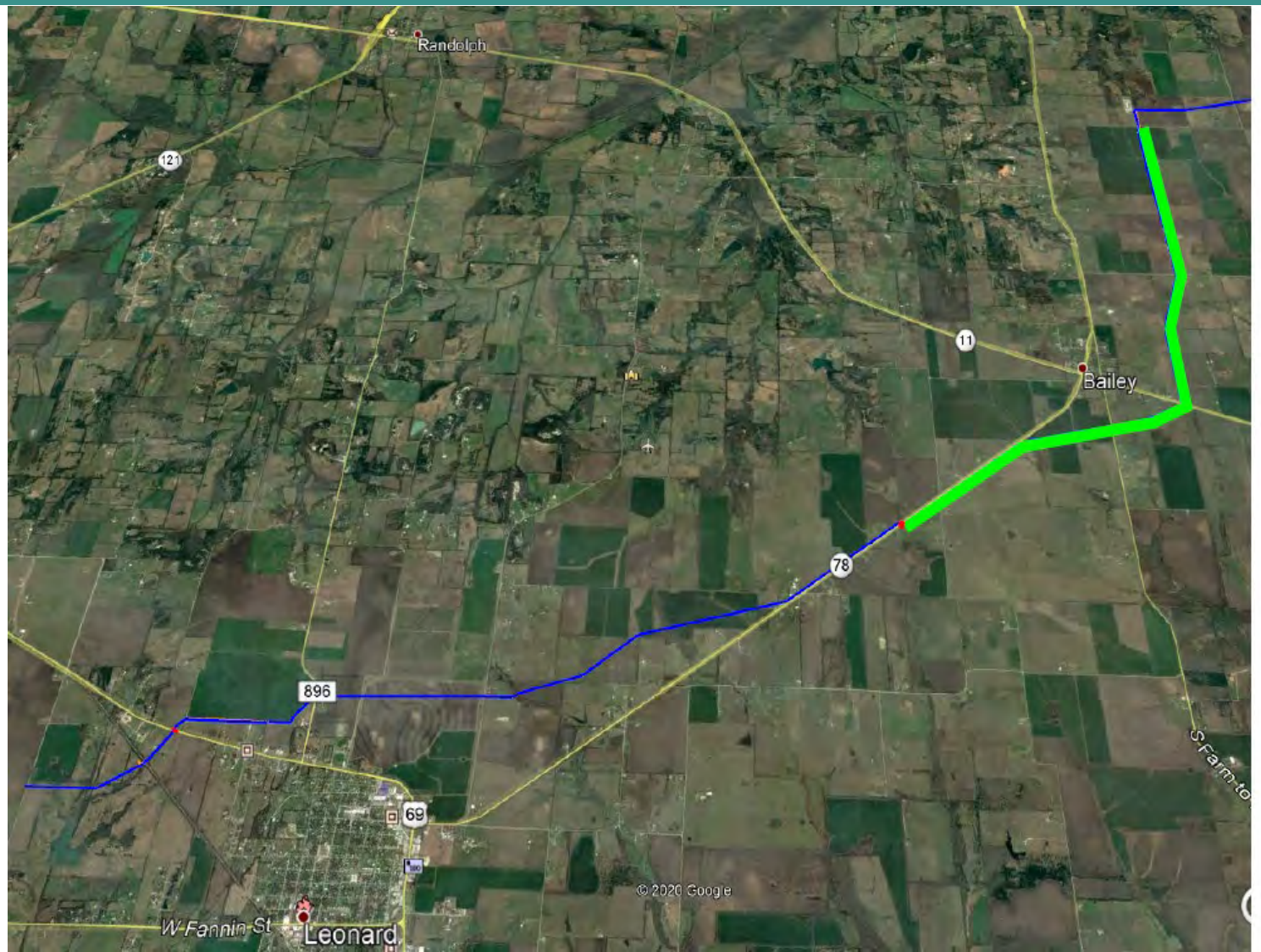
Bois d’Arc Lake Raw Water Pipeline Section B

NORTH TEXAS MUNICIPAL WATER DISTRICT



BOIS D'ARC LAKE UPDATE

Bois d'Arc Lake Raw Water Pipeline Section C



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BOIS D'ARC LAKE UPDATE

Bois d'Arc Lake Raw Water Pipeline Section C

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BOIS D'ARC LAKE UPDATE

Bois d'Arc Lake Raw Water Pipeline Section C



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BOIS D’ARC LAKE UPDATE

Bois d’Arc Lake Raw Water Pump Station

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