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

February 4, 2020

Steve Long, P.E.

Reservoir Project Manager



FANNIN COUNTY COMMISSIONERS COURT UPDATE

AGENDA

- Construction Activities / Construction Pictures
  - Archer Western – Dam & Intake Structure
    - Bois d’Arc Creek Closure Status
  - Mitigation Property – Riverby Ranch
    - Tree Planting/Emergent Wetland Restoration
  - Austin Bridge and Road – FM 897 and County Roads & Bridges



FANNIN COUNTY COMMISSIONERS COURT UPDATE

CMAR 1 – Dam and Intake Structure

- Dam activities
  - January was a difficult month – **89,000** cubic yards of embankment
  - Next Major Activity - Close Bois d'Arc Creek Opening (the "Notch")
  - Construction Photos

CMAR 1 – Construction Status

- Embankment **2,712,400** cubic yards **52**% complete
- Service Spillway Concrete **6,024** cubic yards **31**% complete
- Intake Tower 7,600 cubic yards/60 feet high 72% complete – No Change
  - **Archer Western installing intake gates**
- Slurry Trench 367,000 square feet/67% complete – No Change
- Reservoir Clearing 3,920 acres/90% complete – No Change

NORTH TEXAS MUNICIPAL WATER DISTRICT



FANNIN COUNTY COMMISSIONERS COURT UPDATE

Bois d’Arc Creek Notch Closure

NORTH TEXAS MUNICIPAL WATER DISTRICT



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Bois d’Arc Creek Notch Closure



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Bois d’Arc Creek Notch Closure



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FANNIN COUNTY COMMISSIONERS COURT UPDATE

Bois d’Arc Creek Notch Closure

NORTH TEXAS MUNICIPAL WATER DISTRICT



FANNIN COUNTY COMMISSIONERS COURT UPDATE

Service Spillway Chute Walls and Stilling Basin (RWPS in foreground)



NORTH TEXAS MUNICIPAL WATER DISTRICT



FANNIN COUNTY COMMISSIONERS COURT UPDATE

Intake Tower (RWPS in background)



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FANNIN COUNTY COMMISSIONERS COURT UPDATE

Service Spillway Chute Walls and Stilling Basin (RWPS in background)



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Service Spillway Chute Walls and Stilling Basin (RWPS in background)

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Service Spillway Chute Walls and Stilling Basin (RWPS in background)



NORTH TEXAS MUNICIPAL WATER DISTRICT



FANNIN COUNTY COMMISSIONERS COURT UPDATE

Mitigation Property Status

- Construction 50% complete
- January 20, 2020 Monitoring event
- Forested wetland planting resumed
  - Tree planting started 1/6/2020
  - 80,000 trees planted as of 1/10/2020
  - 65,000 trees planted in one day
  - 780,000 trees planted this season so far



NORTH TEXAS MUNICIPAL WATER DISTRICT



FANNIN COUNTY COMMISSIONERS COURT UPDATE





FANNIN COUNTY COMMISSIONERS COURT UPDATE

Mitigation Property – RES





NORTH TEXAS MUNICIPAL WATER DISTRICT



FANNIN COUNTY COMMISSIONERS COURT UPDATE

Emergent Wetland Construction





FANNIN COUNTY COMMISSIONERS COURT UPDATE

CMAR 4 – FM 897 and County Roads

- FM 897
  - Drilled Shafts – 100% (No Change)
  - Columns – **100**%
  - Bent Caps – **77**%
  - Beams – **70**%
  - Deck – **50**%
  - Roadway – **65**%
- County Roads and Bridges
  - Site 2 CR 2610 at Timber Creek
  - Site 3 CR 2680 at Sandy Branch
  - Site 1 Progress pictures
  - Site 22 CR 2900 at Onstott Creek



FANNIN COUNTY COMMISSIONERS COURT UPDATE

FM 897 BRIDGE



NORTH TEXAS MUNICIPAL WATER DISTRICT

FANNIN COUNTY COMMISSIONERS COURT UPDATE

CR 2610 (Site 2)
Timber Creek

Late February 2020



NORTH TEXAS MUNICIPAL WATER DISTRICT

FANNIN COUNTY COMMISSIONERS COURT UPDATE

CR 2610 (Site 2)

Timber Creek



NORTH TEXAS MUNICIPAL WATER DISTRICT

FANNIN COUNTY COMMISSIONERS COURT UPDATE

Site 3 CR 2680

Sandy Branch

(Late March 2020)



NORTH TEXAS MUNICIPAL WATER DISTRICT

FANNIN COUNTY COMMISSIONERS COURT UPDATE

Site 3 CR 2680

Sandy Branch





FANNIN COUNTY COMMISSIONERS COURT UPDATE

Site 1, CR 2980
Ward Creek

Beams Set

Setting Panels





FANNIN COUNTY COMMISSIONERS COURT UPDATE

CMAR 4 – Austin Bridge & Road (Site 1) Ward Creek





FANNIN COUNTY COMMISSIONERS COURT UPDATE

Site 22 (CR 2900)
Onstott Creek



NORTH TEXAS MUNICIPAL WATER DISTRICT

