Board of Directors Meeting

June 18, 2024

🇺🇸 Pledge of Allegiance

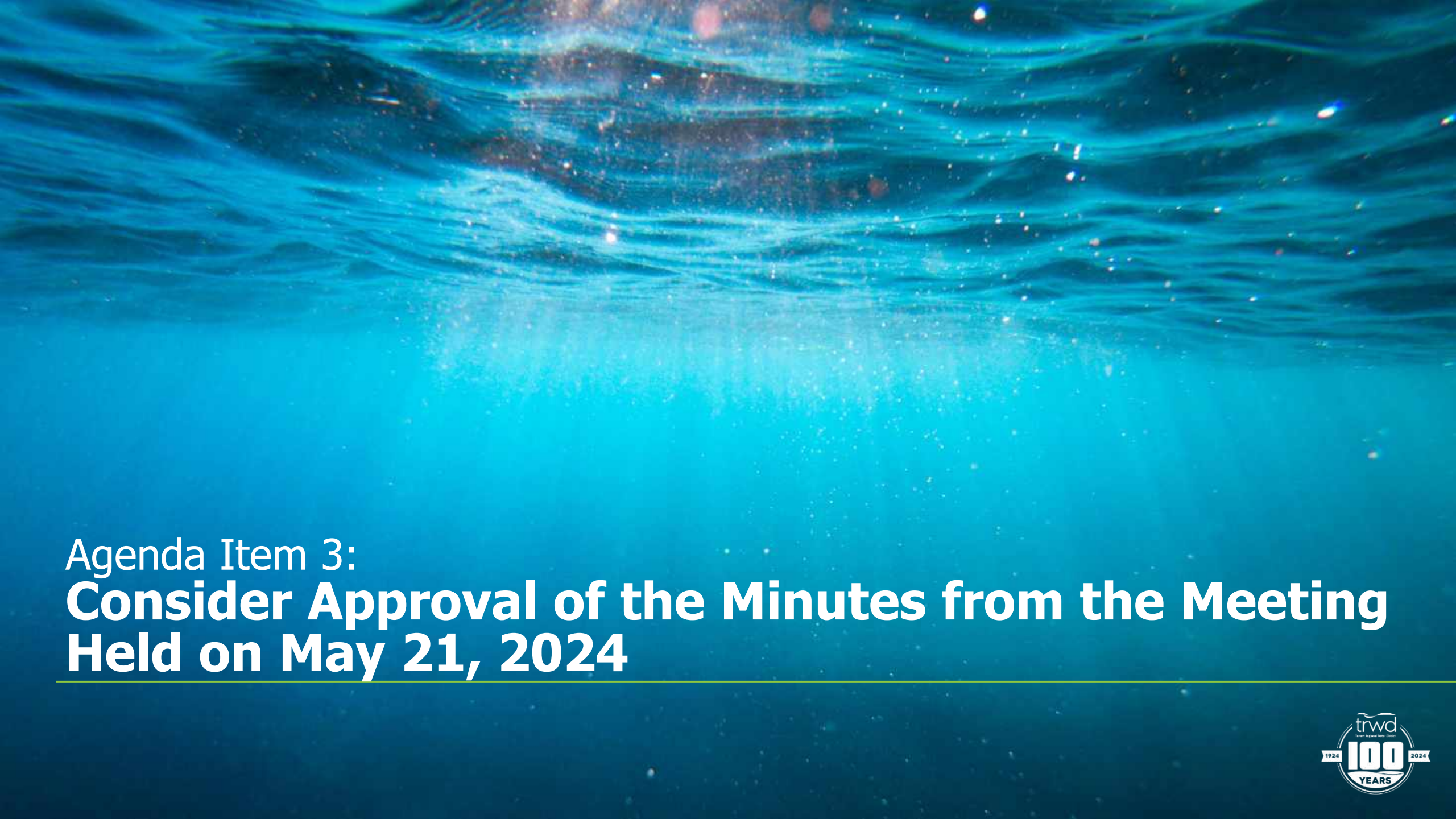
I pledge allegiance to the flag of the United States of America, and to the republic for which it stands, one nation under God, indivisible, with liberty and justice for all.

🇹🇽 Pledge of Allegiance to the Texas Flag

Honor the Texas flag; I pledge allegiance to thee, Texas, one state under God, one and indivisible.

Agenda Item 2:

Public Comment



Agenda Item 3:

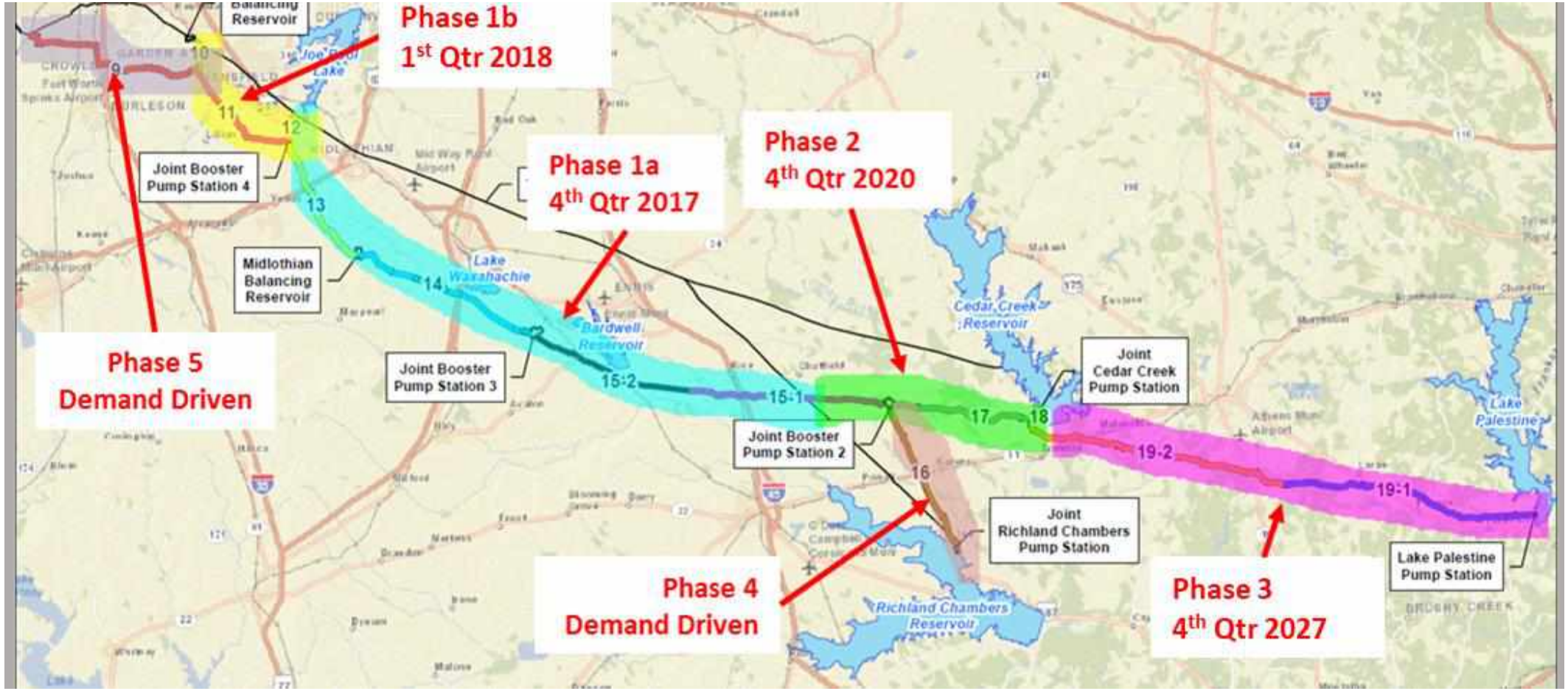
Consider Approval of the Minutes from the Meeting Held on May 21, 2024

Item 4:

Consider Approval of Contract Amendment with Accurate Inspections, LLC for Construction Materials Inspection and Testing Services of IPL Section 19-2 Part A Pipeline of the Integrated Pipeline Project

Ed Weaver, IPL Program Manager

Integrated Pipeline Layout and Phases



Integrated Pipeline Project Section 19-2A Open Cut Pipeline

Accurate Inspection Construction Materials Inspection and Testing (CMIT)

Pipe Coating Thickness and Adhesion Testing

Welder Prove Out Oversite

Heat Shrink Sleeve and Weld-After-Backfill Testing

Item 5:

Consider Approval of Task Order Contract with Kleinfelder, Inc. for Construction Materials Inspection and Testing Services of IPL Section 19-2 Part A Pipeline of the Integrated Pipeline Project

Ed Weaver, IPL Program Manager

Integrated Pipeline Project Section 19-2A Open Cut Pipeline

Kleinfelder Construction Materials Inspection and Testing (CMIT)

Pipe Embedment and Backfill Density Testing

Pipe Embedment and Backfill Density Testing

Unit Weight Test for Annular Space Grout

Item 6:

Consider Approval of Contract Amendment with Steel Inspectors of Texas, Inc. for Construction Materials Inspection and Testing Services of IPL Section 19-2 Part A Pipeline of the Integrated Pipeline Project

Ed Weaver, IPL Program Manager

Integrated Pipeline Project Section 19-2A Open Cut Pipeline

Steel Inspectors Construction Materials Inspection and Testing (CMIT)

Air Testing Butt-Strap Joint Welds

Visual Inspection Lap Joint Welds

Magnetic Particle Testing Lap Joint Welds

Item 7:

Consider Approval of Contract Amendment with CAS Consulting & Services, Inc. for Resident Project Representative Services for the Integrated Pipeline Project

Ed Weaver, IPL Program Manager

Integrated Pipeline Project Section 19-2A Open Cut Pipeline

CAS Construction Materials Inspection and Testing (CMIT)

Production Inspecting/Monitoring
Pipe Embedment and Backfill

Production Inspecting/Monitoring
Tunnel Shaft and Tunnel Excavations

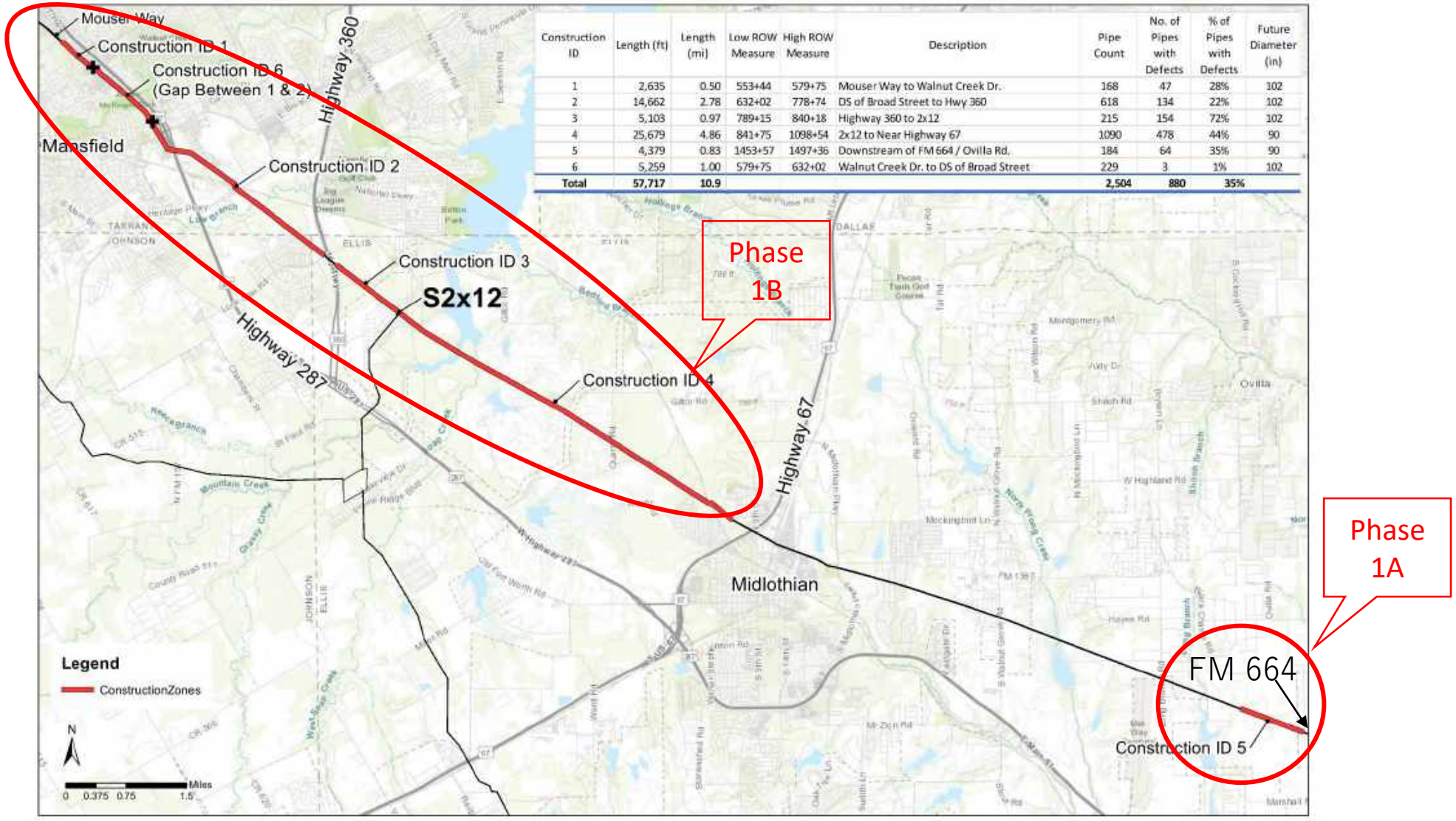
Production Inspecting/Monitoring
Tunnel Tunnel Excavations

Item 8:

Consider Approval of Contract with BAR Constructors, Inc. for Cedar Creek Section 2 Pipeline Replacement Phase 1A Construction

Jason Gehrig, Infrastructure Engineering Director

Cedar Creek Pipeline Replacement Project Area



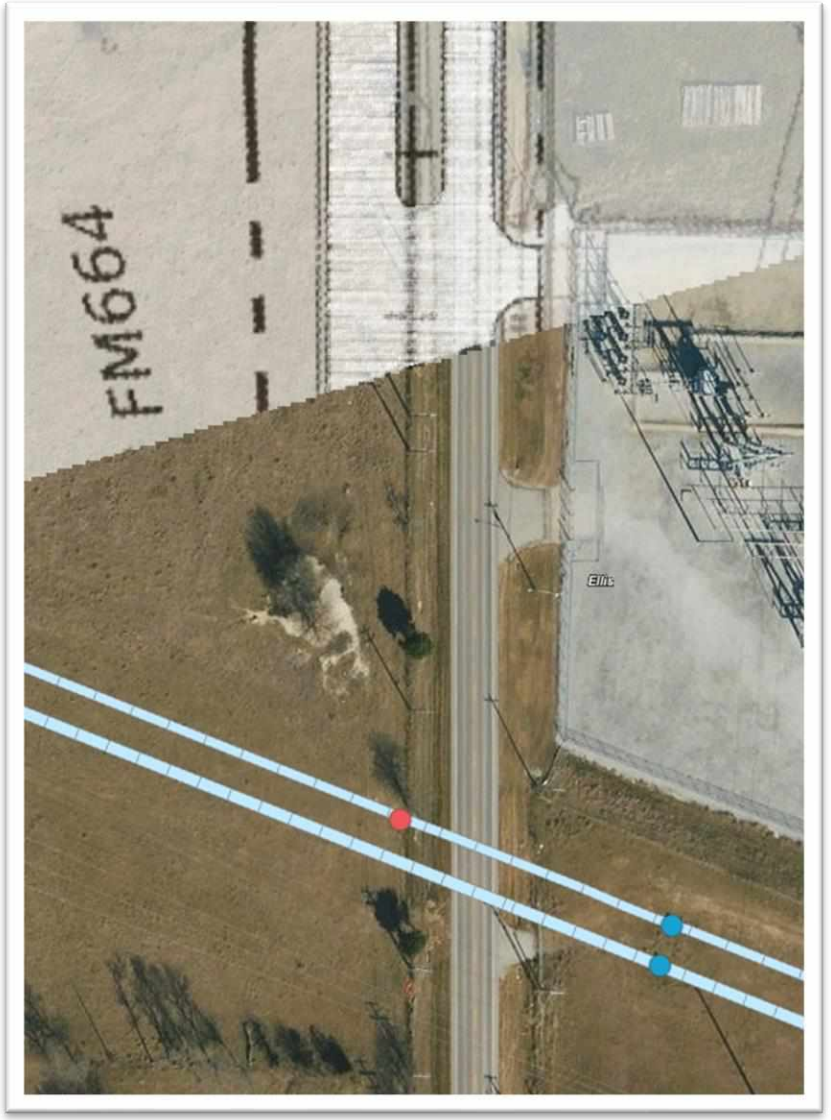
Construction ID	Length (ft)	Length (mi)	Low ROW Measure	High ROW Measure	Description	Pipe Count	No. of Pipes with Defects	% of Pipes with Defects	Future Diameter (in)
1	2,635	0.50	553+44	579+75	Mouser Way to Walnut Creek Dr.	168	47	28%	102
2	14,662	2.78	632+02	778+74	DS of Broad Street to Hwy 360	618	134	22%	102
3	5,103	0.97	789+15	840+18	Highway 360 to 2x12	215	154	72%	102
4	25,679	4.86	841+75	1098+54	2x12 to Near Highway 67	1090	478	44%	90
5	4,379	0.83	1453+57	1497+36	Downstream of FM 664 / Ovilla Rd.	184	64	35%	90
6	5,259	1.00	579+75	632+02	Walnut Creek Dr. to DS of Broad Street	229	3	1%	102
Total	**57,717**	**10.9**				**2,504**	**880**	**35%**	

Cedar Creek Section II Pipeline Replacement Construction

Phase 1A\FM664

Summary

- FM664 ROW Crossing Completion Milestone: March 31, 2025
- Project Duration: approximately 16 months
- Construction Cost: $11,690,906

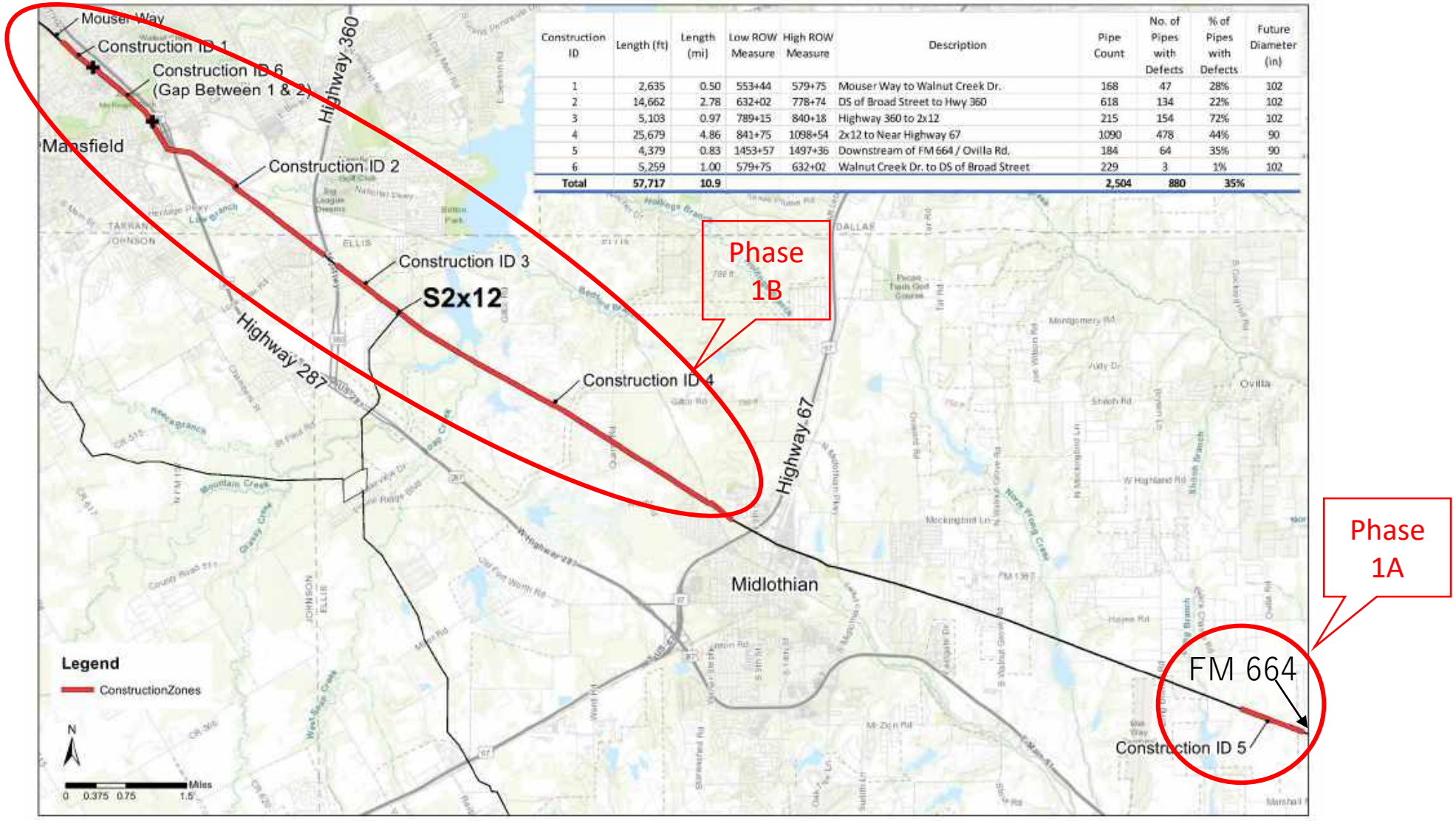


Item 9:

Consider Approval of Contract with Freese and Nichols, Inc. for Construction Management Services for Cedar Creek Section 2 Pipeline Replacement Phases 1A and 1B

Jason Gehrig, Infrastructure Engineering Director

Cedar Creek Pipeline Replacement Project Area



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4	25,679	4.86	841+75	1098+54	2x12 to Near Highway 67	1090	478	44%	90
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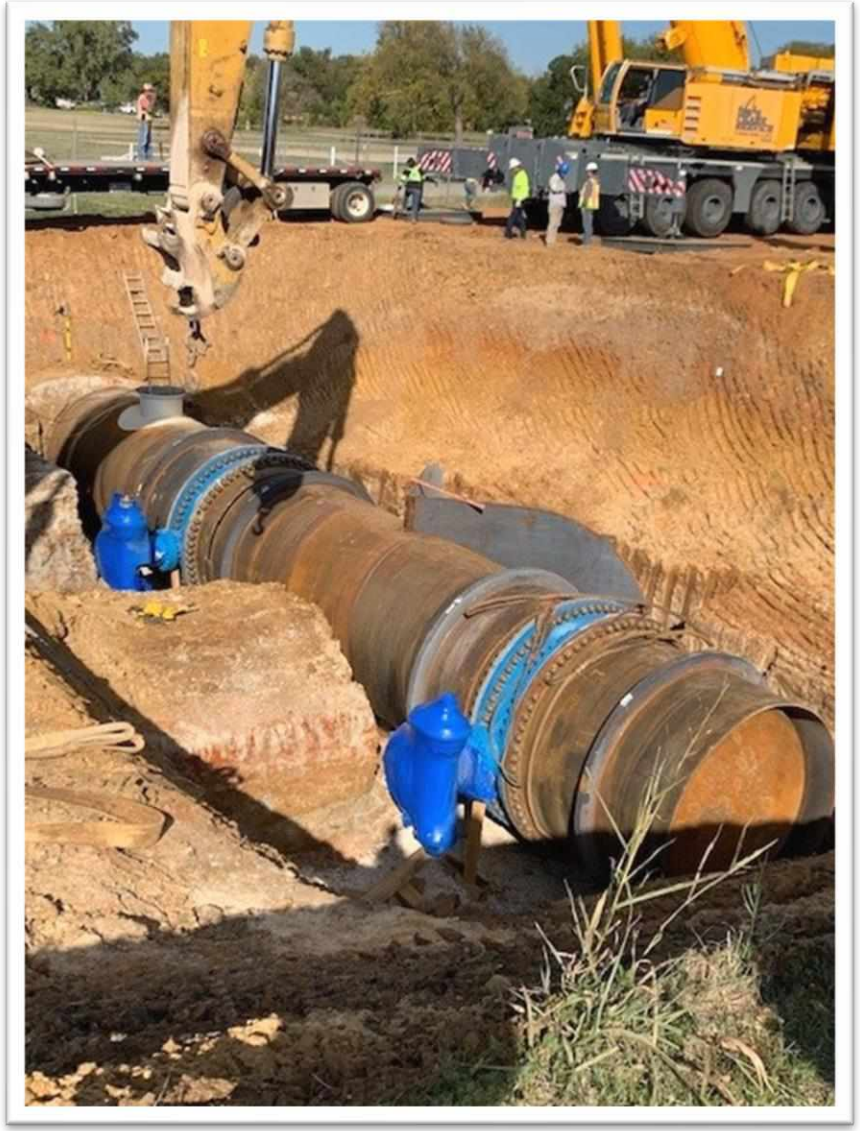
Total	**57,717**	**10.9**				**2,504**	**880**	**35%**	

Cedar Creek Section II Pipeline Replacement CM Services

Phases 1A\FM664 and 1B

- Phase 1A\FM664
  - 1 mile including pipeline crossings of FM 664
- Phase 1B:
  - 10 miles of 90” and 102”
  - Railroad and Creek Crossings
  - S2X12 Interconnect Facility Improvements
  - Five large diameter valves
- Duration 30 months
- Budget $3,258,718

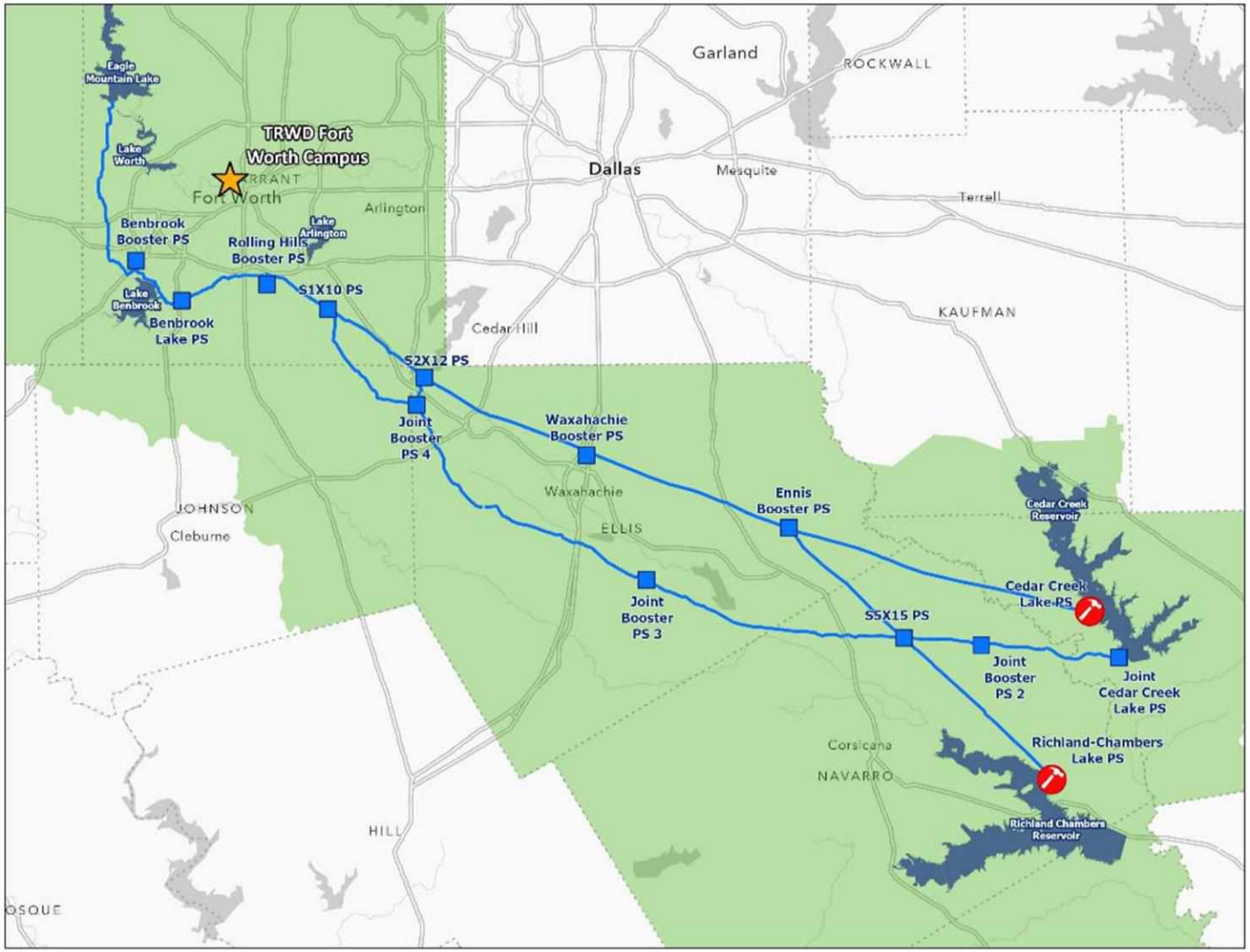


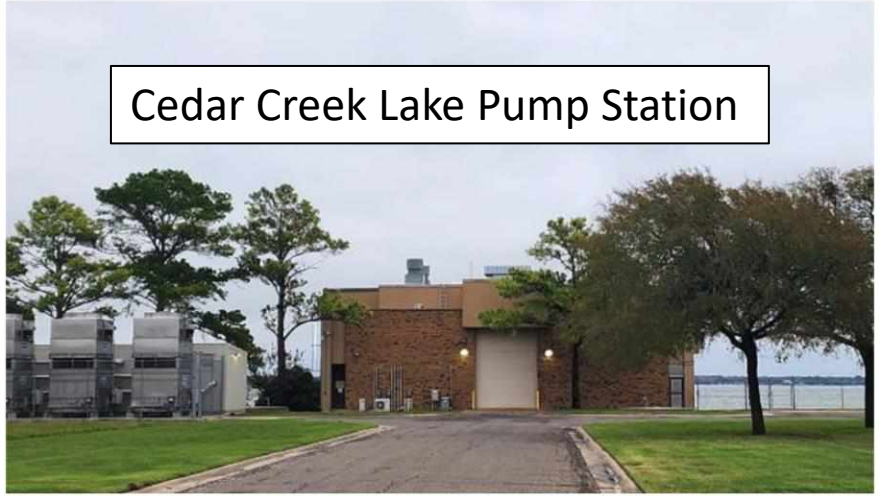
Item 10:

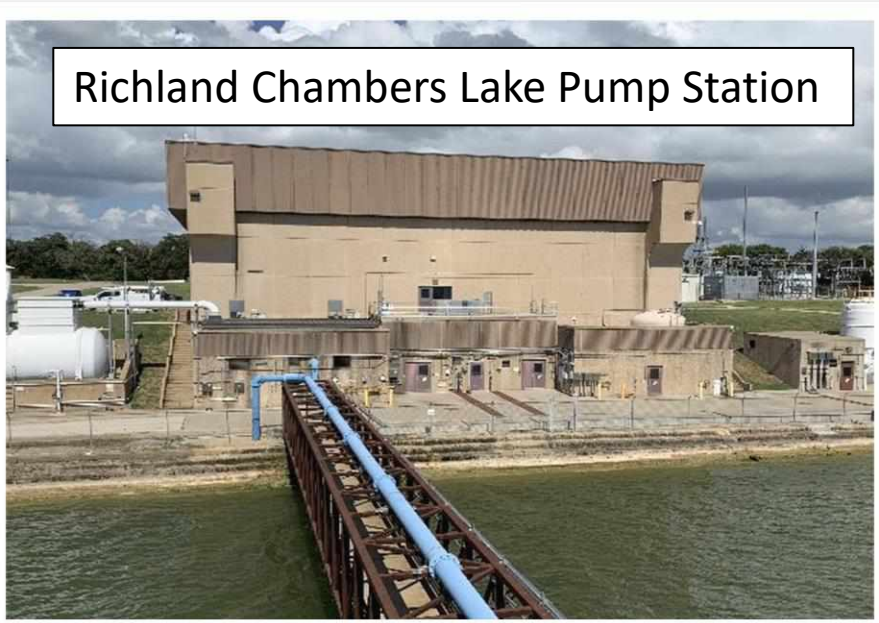
Consider Approval of Contract with CDM Smith for Engineering Design and Bidding Services for Richland-Chambers Lake and Cedar Creek Lake Pump Stations Electrical Buildings and Equipment

Jason Gehrig, Infrastructure Engineering Director

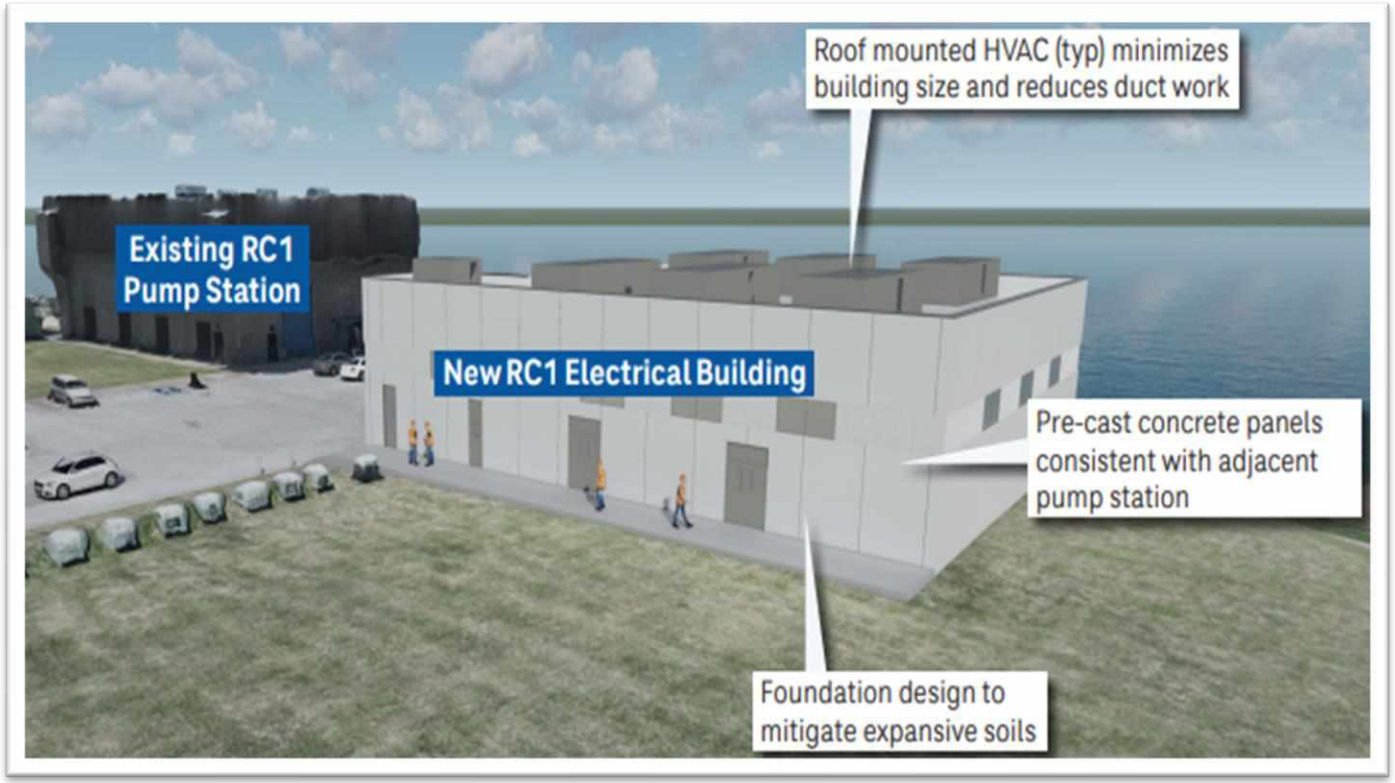
Richland Chambers and Cedar Creek Lake Pump Stations Electrical Buildings and Equipment







Richland Chambers and Cedar Creek Lake Pump Stations Electrical Buildings and Equipment



Richland Chambers and Cedar Creek Lake Pump Stations
Electrical Buildings and Equipment

Summary

Task 1 – Project Management

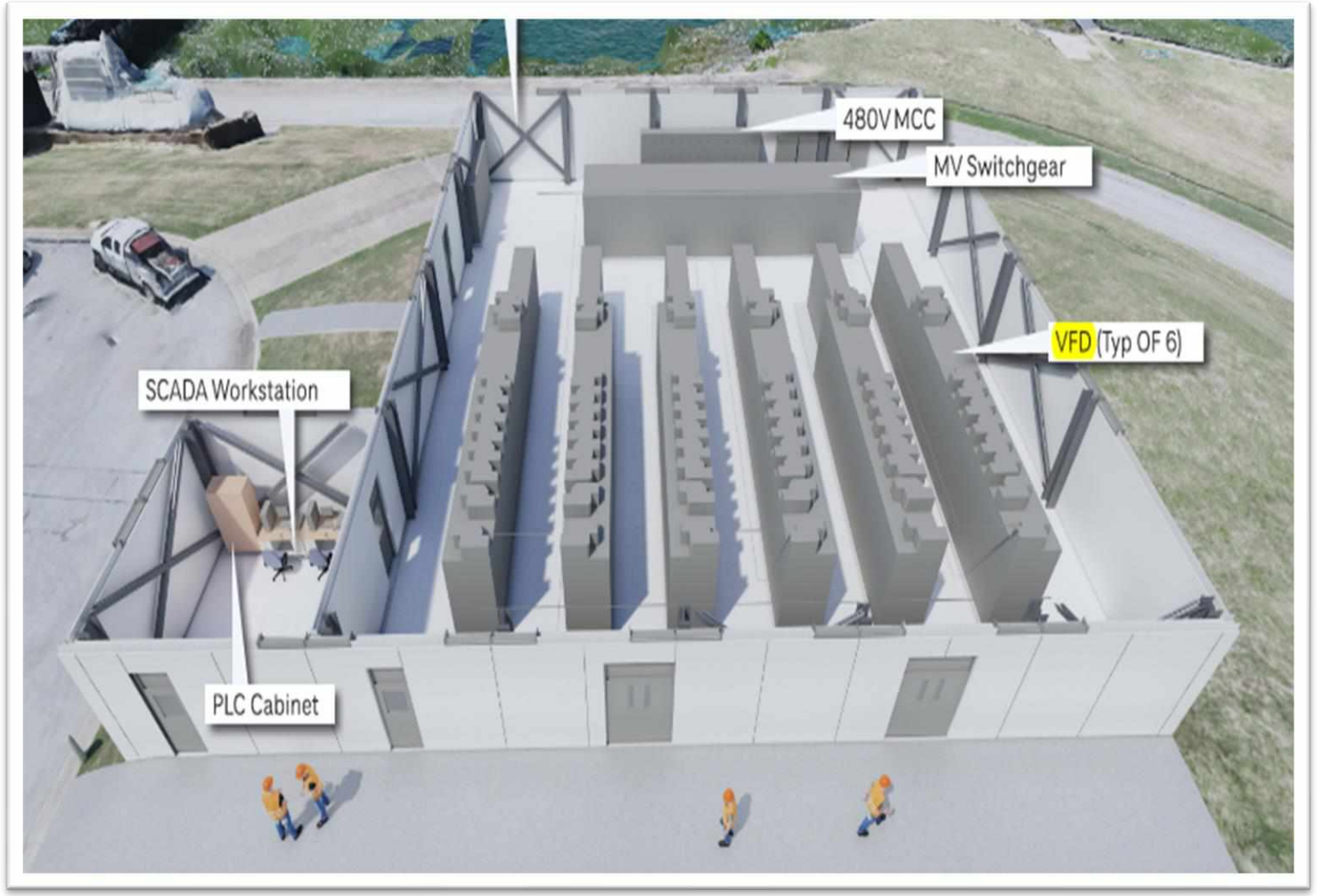
Task 2 – Preliminary Investigations

Task 3 – Preliminary Design Services

Task 4 – Final Design Services

Task 5 –Bid Phase Services

Task 6 – Construction Phase Services for Pre-Purchased Electrical Equipment



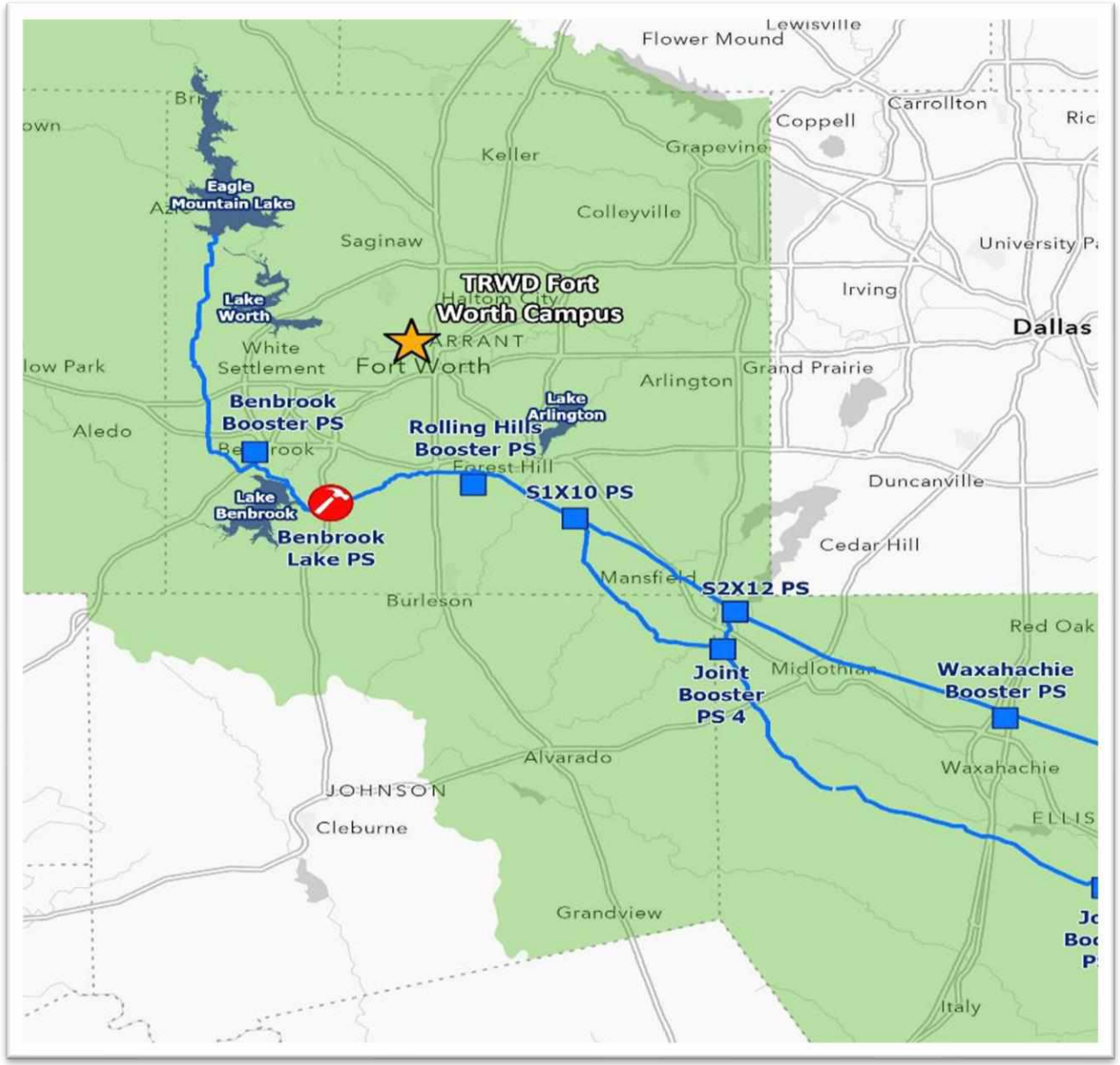
Item 11:

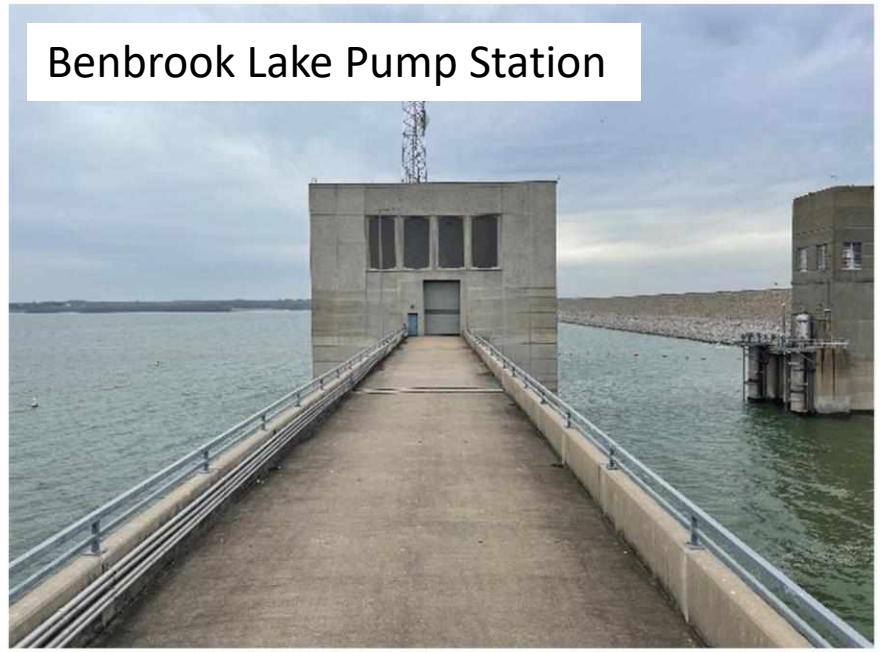
Consider Approval of Task Order Contract with Azcarate & Associates Consulting Engineers, LLC for Engineering Services for Benbrook Lake Pump Station Electrical Room Cooling Improvements

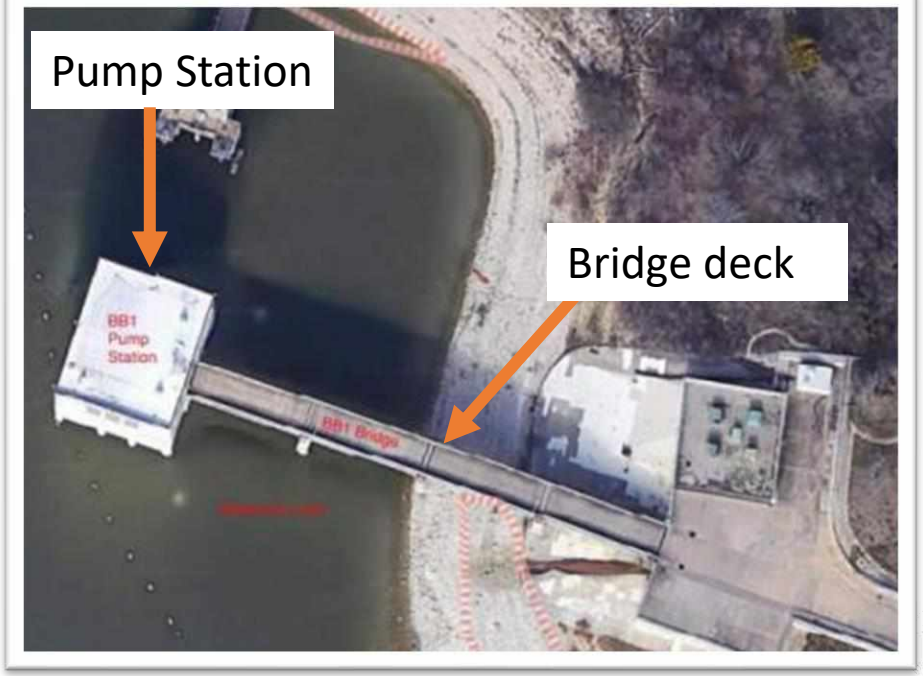
Jason Gehrig, Infrastructure Engineering Director

Benbrook Lake Pump Station
Electrical Room Cooling Improvements

Tarrant Regional Water District

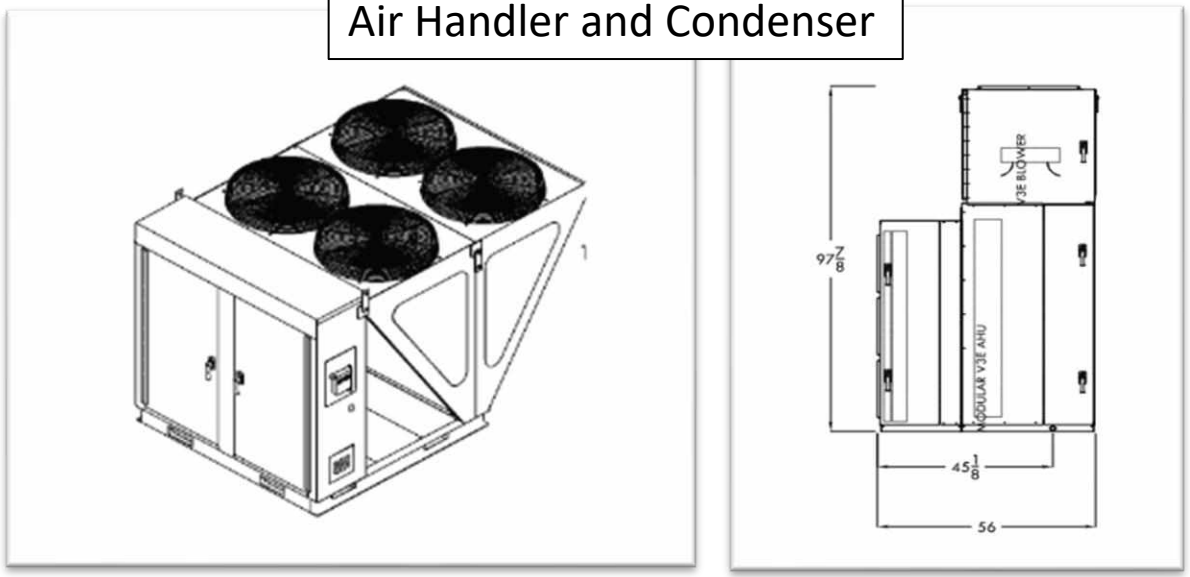






Benbrook Lake Pump Station Electrical Room Cooling Improvements

Air Handler and Condenser



Tarrant Regional Water District

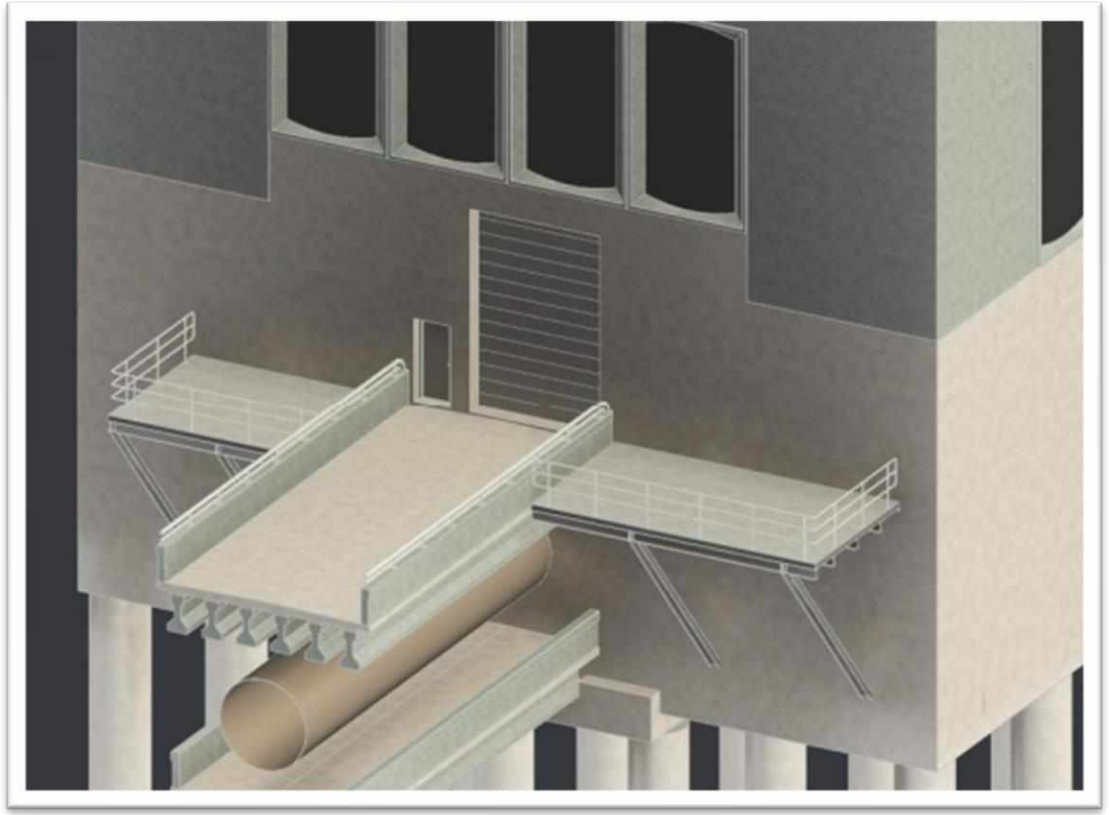
trwd

Tarrant Regional Water District

Benbrook Lake Pump Station
Electrical Room Cooling Improvements

Summary

Task 1 - Detailed Design
Task 2 - Bid Phase
Task 3 - Construction Phase
Task 4 - Post Construction Phase



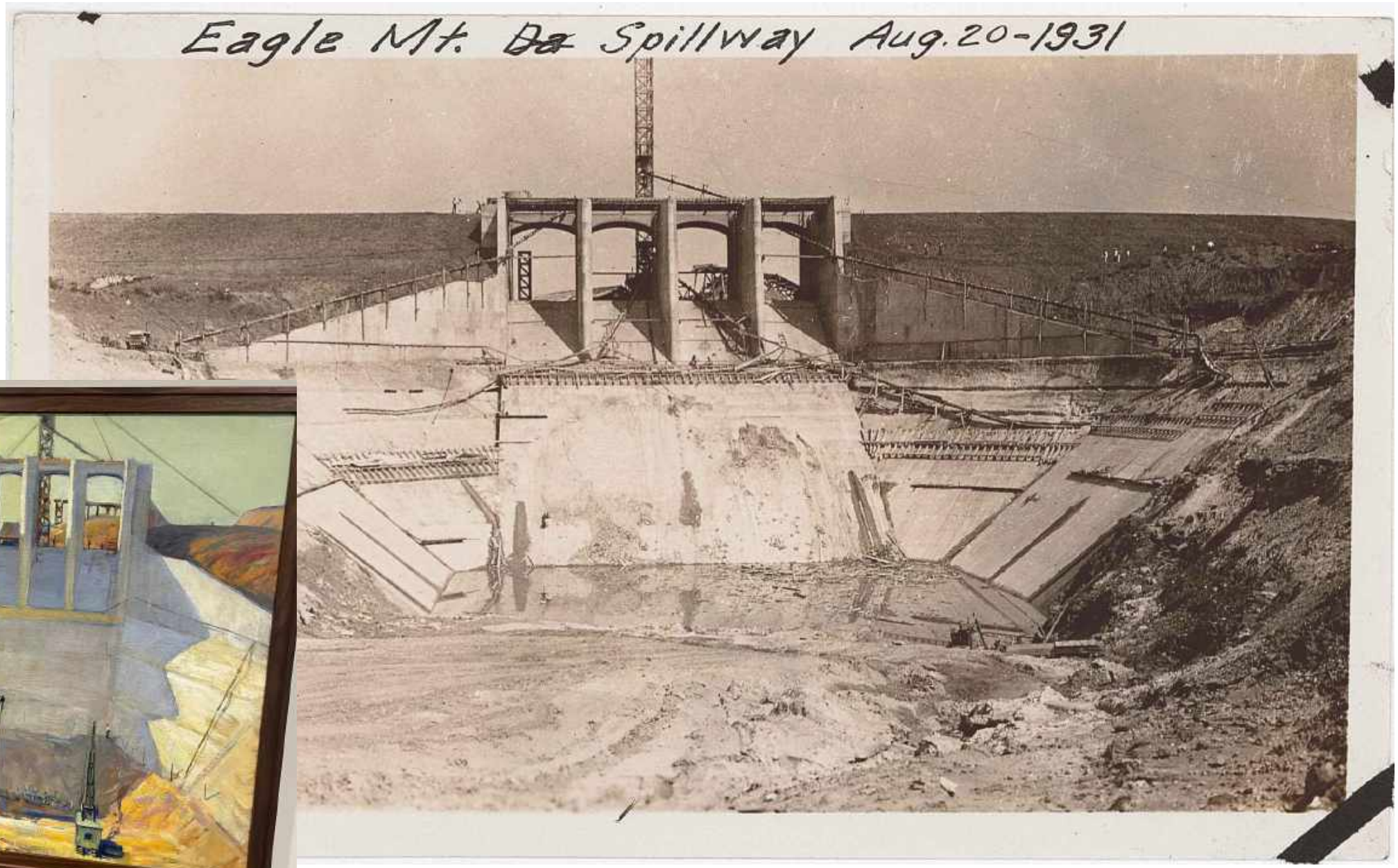
Cantilevered Platform Renderings

trwd

Item 12:

Consider Approval of Task Order with Freese and Nichols, Inc. for Engineering Services for Eagle Mountain Dam - Original Service Spillway Evaluation (Phase II)

Jason Gehrig, Infrastructure Engineering Director


Eagle Mt. Da Spillway Aug. 20-1931

Eagle Mountain Dam Service Spillway Evaluation, Phase 2

Summary

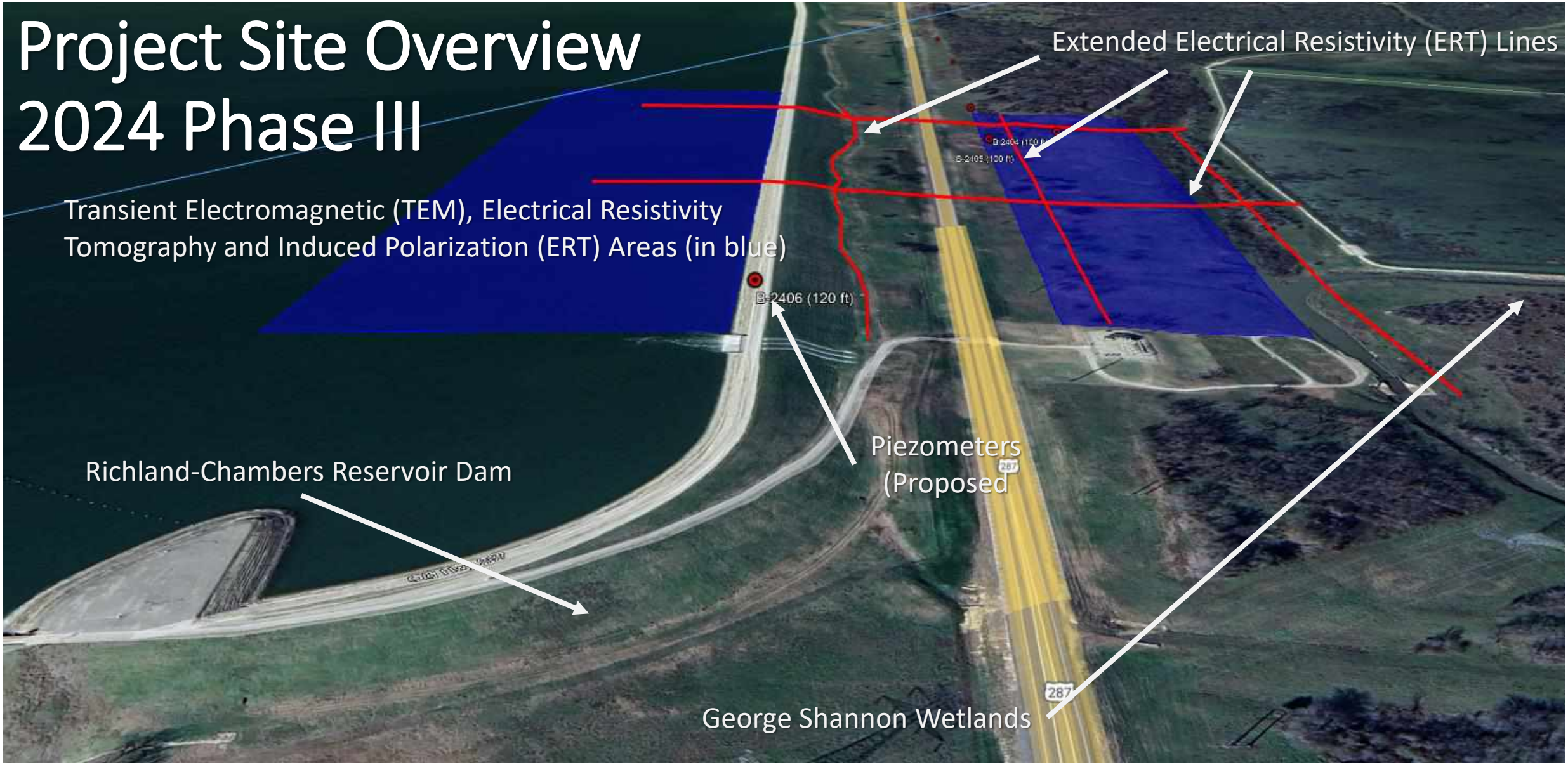
- Task 1: Project management
- Task 2: Spillway seepage model creation & analysis
- Task 3: Structural evaluation of Concrete Piers
- Task 4: Underdrain cleaning
- Task 5: Documentation and recommendation preparation

Item 13:

Consider Approval of Task Order with Freese and Nichols, Inc. for Engineering Services for Richland-Chambers Reservoir - Comprehensive Evaluation (Phase III)

Jason Gehrig, Infrastructure Engineering Director

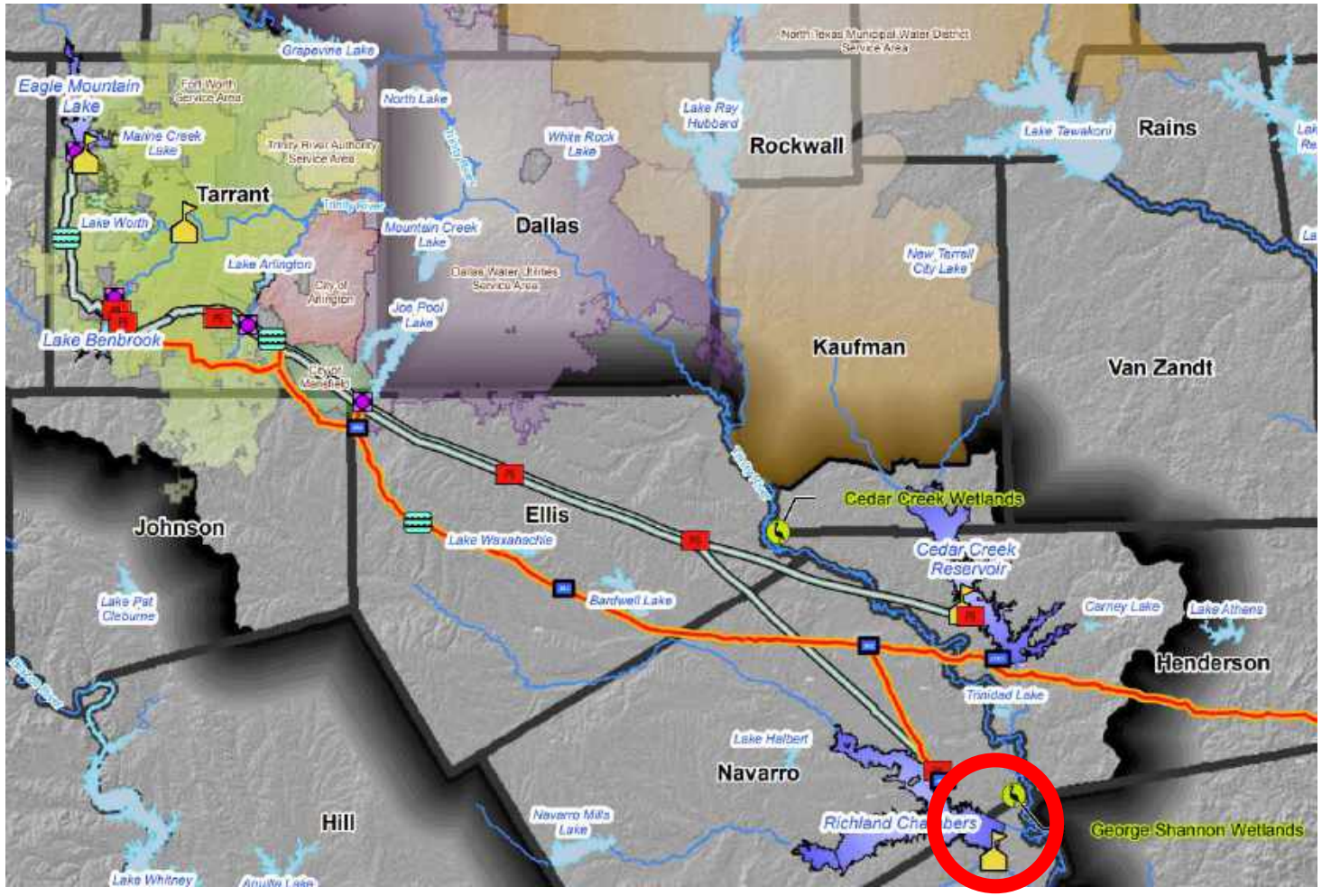
Project Site Overview 2024 Phase III



Richland-Chambers Reservoir Comprehensive Evaluation (Phase III)

Phase III Scope:

- Additional field investigations
  - Confirm sand layer connectivity to RC reservoir
  - Fill data gaps within area of interest
- Analysis of dam embankment
  - Assess any credible failure modes
  - Utilize seepage and stability models
- Objectives
  - Determine existing dam safety concerns
  - Evaluate effective remediation measures
  - Reduce seepage-related dam safety risks
  - Recommend any required mitigation measures



Item 14:

Consider Approval of Contract with Archer Western Construction, LLC for Electro-Hydraulic Actuators Installation at the Richland-Chambers Low-Capacity Waxahachie Pump Station

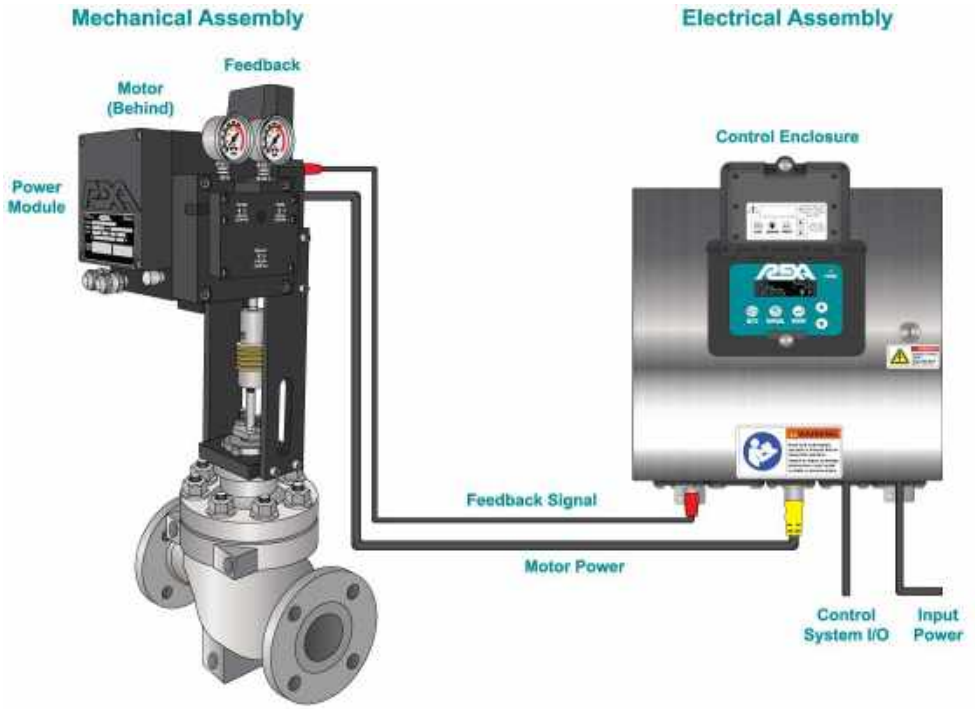
Jason Gehrig, Infrastructure Engineering Director

Electro-Hydraulic Actuators Installation at the Richland Chambers Low-Capacity Waxahachie Pump Station

Electro-Hydraulic Actuators Installation at the Richland Chambers Low-Capacity Waxahachie (RC3L) Pump Station

Existing hydraulic accumulator system at RC3L Booster Pump Station to be removed

Electro-Hydraulic Actuators Installation at the Richland Chambers Low-Capacity Waxahachie (RC3L) Pump Station

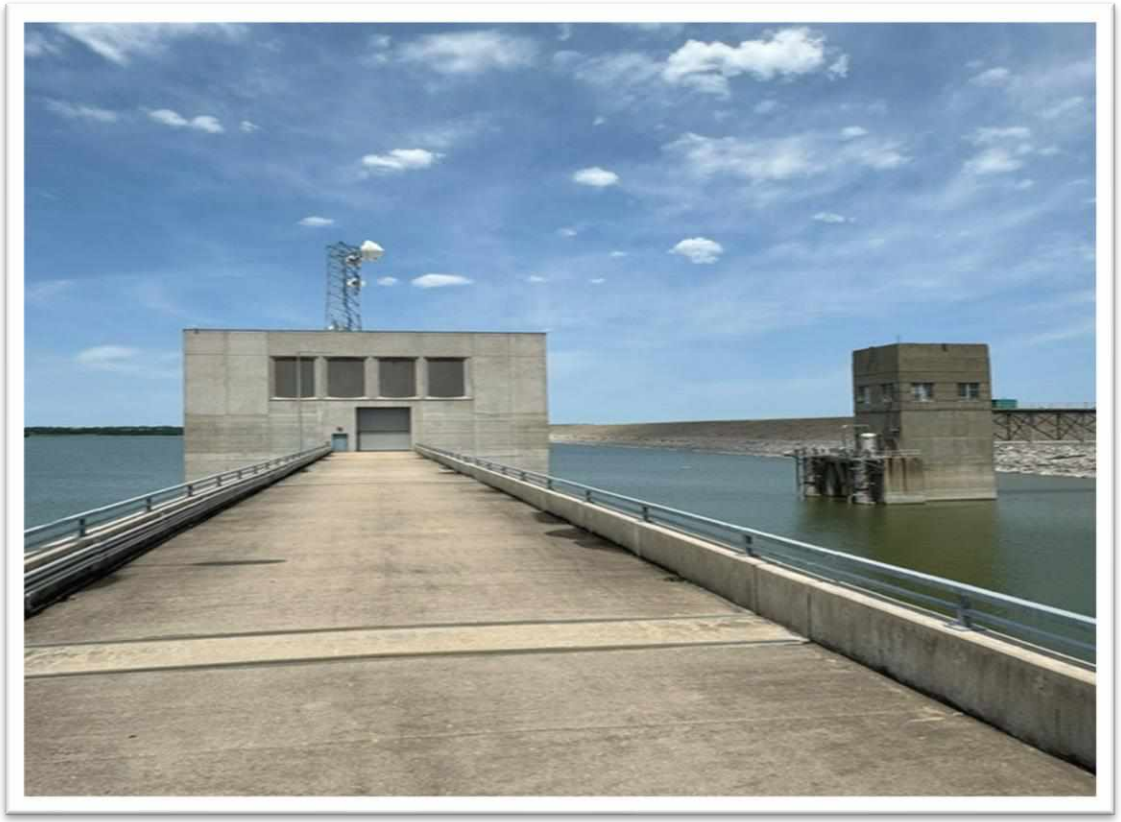


Example of Rexa actuators (not at TRWD) to be installed along with necessary SCADA controls and required power

Item 15:

Consider Approval of Contract with NSI Engineering for Benbrook Lake Pump Station and Rolling Hills Booster Pump Station Programmable Logic Controller Upgrades

Jason Gehrig, Infrastructure Engineering Director

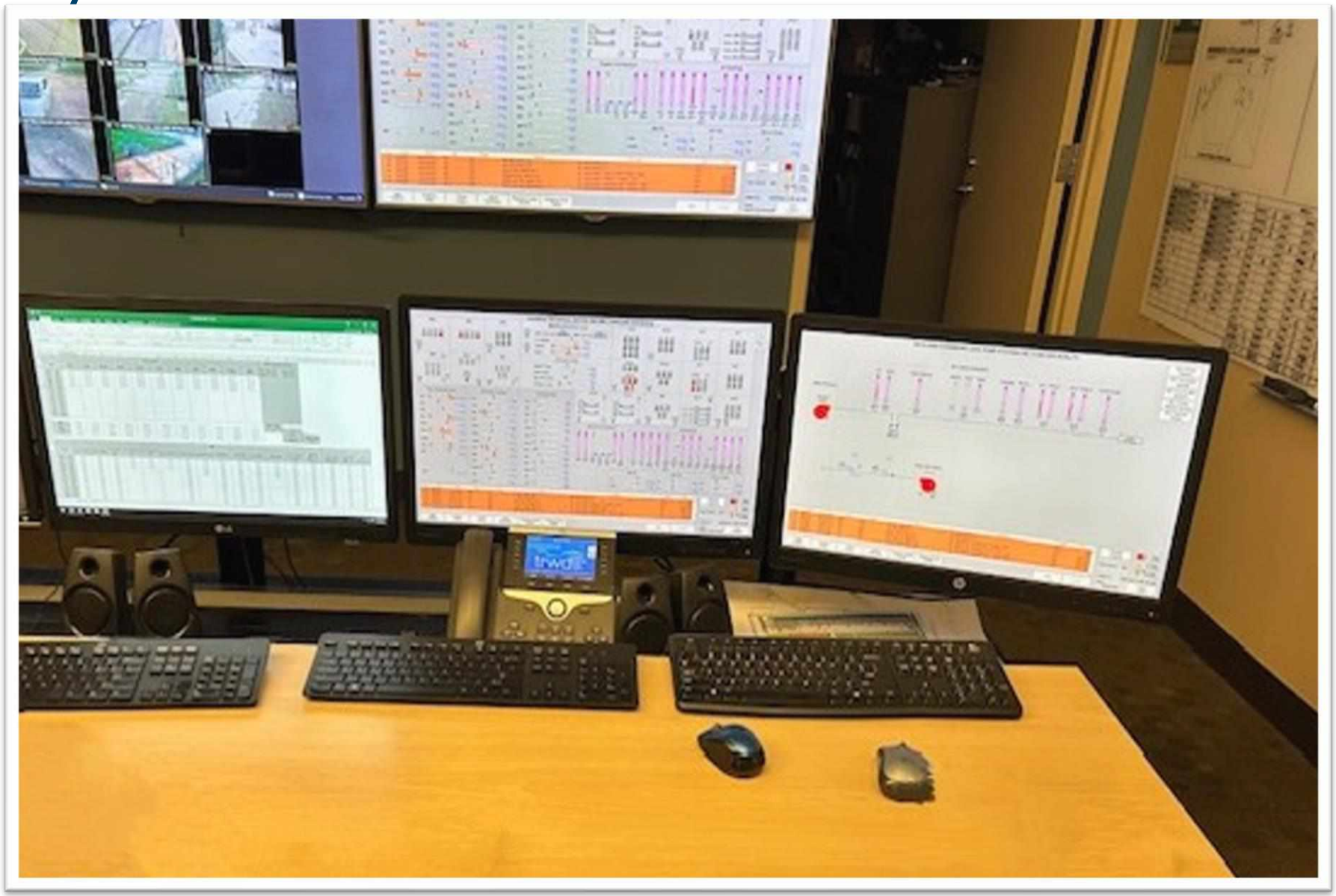


Item 16:

Consider Approval of Contract with CDM Smith for Professional Engineering Services to Develop a Supervisory Control and Data Acquisition System Master Plan

Jason Gehrig, Infrastructure Engineering Director

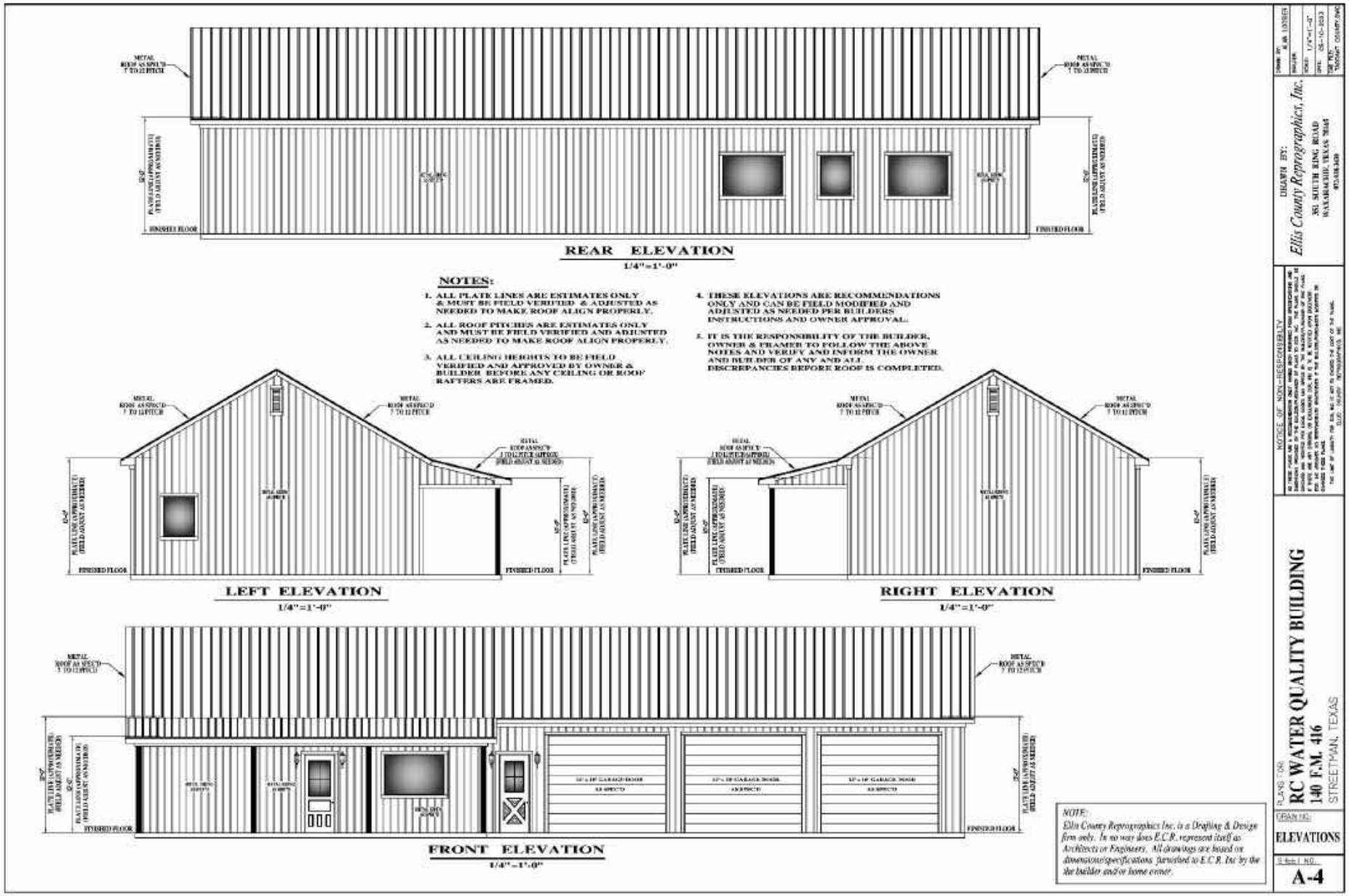
SCADA System Master Plan



Item 17:

Consider Approval of Contract with Zack Construction Company LLC for Construction of the Richland-Chambers Water Quality Lab

Steve Christian, Director of Real Property


REAR ELEVATION
1/4"=1'-0"
NOTES:
1. ALL PLATE LINES ARE ESTIMATES ONLY & MUST BE FIELD VERIFIED & ADJUSTED AS NEEDED TO MAKE ROOF ALIGN PROPERLY.
2. ALL ROOF PITCHES ARE ESTIMATES ONLY AND MUST BE FIELD VERIFIED AND ADJUSTED AS NEEDED TO MAKE ROOF ALIGN PROPERLY.
3. ALL CEILING HEIGHTS TO BE FIELD VERIFIED AND APPROVED BY OWNER & BUILDER BEFORE ANY CEILING OR ROOF RAFTERS ARE FRAMED.
4. THESE ELEVATIONS ARE RECOMMENDATIONS ONLY AND CAN BE FIELD MODIFIED AND ADJUSTED AS NEEDED PER BUILDERS INSTRUCTIONS AND OWNER APPROVAL.
5. IT IS THE RESPONSIBILITY OF THE BUILDER, OWNER & FRAMER TO FOLLOW THE ABOVE NOTES AND VERIFY AND INFORM THE OWNER AND BUILDER OF ANY AND ALL DISCREPANCIES BEFORE ROOF IS COMPLETED.
LEFT ELEVATION
1/4"=1'-0"
RIGHT ELEVATION
1/4"=1'-0"
FRONT ELEVATION
1/4"=1'-0"
NOTE:
Ellis County Reprographics Inc. is a Drafting & Design firm only. In no way does E.C.R. represent itself as Architects or Engineers. All drawings are based on dimensions/specifications furnished to E.C.R. Inc by the the builder and/or home owner.
DRAWN BY:
Ellis County Reprographics, Inc.
351 SOUTH RING ROAD
WAXAHACHIE, TEXAS 75165
972-938-3430
NOTICE OF NON-RESPONSIBILITY
PLANS FOR:
RC WATER QUALITY BUILDING
140 F.M. 416
STREETMAN, TEXAS
DRAWING:
ELEVATIONS
SHEET NO.
A-4

EVALUATION TABULATION

ITB No. 24-134

Richland Chambers Water Quality Lab

RESPONSE DEADLINE: June 4, 2024 at 11:00 am

Report Generated: Tuesday, June 4, 2024

SELECTED VENDOR TOTALS

Vendor	Total
Zack Construction Company LLC	$190,559.05
BAM Diversified Services	$199,766.00

BID FORM

Bid Form				BAM Diversified Services	Zack Construction Company LLC
Selected	Line Item	Description	Unit of Measure	Total Cost	Total Cost
X	1	Lump Sum Bid Amount (Per Scope of Work)	Each	$199,766.00	$190,559.05
Total				$199,766.00	$190,559.05

Item 18:

Consider Approval of Annual Insurance Renewal for Property, Casualty and Workers Compensation Insurance Lines of Coverage with Texas Water Conservation Association Risk Management Fund

Mick Maguire, Chief Administrative Officer

STAFF UPDATE

Water Resources and Planning Update

Rachel Ickert, *Chief Water Resources Officer*

Percent of Normal Rainfall

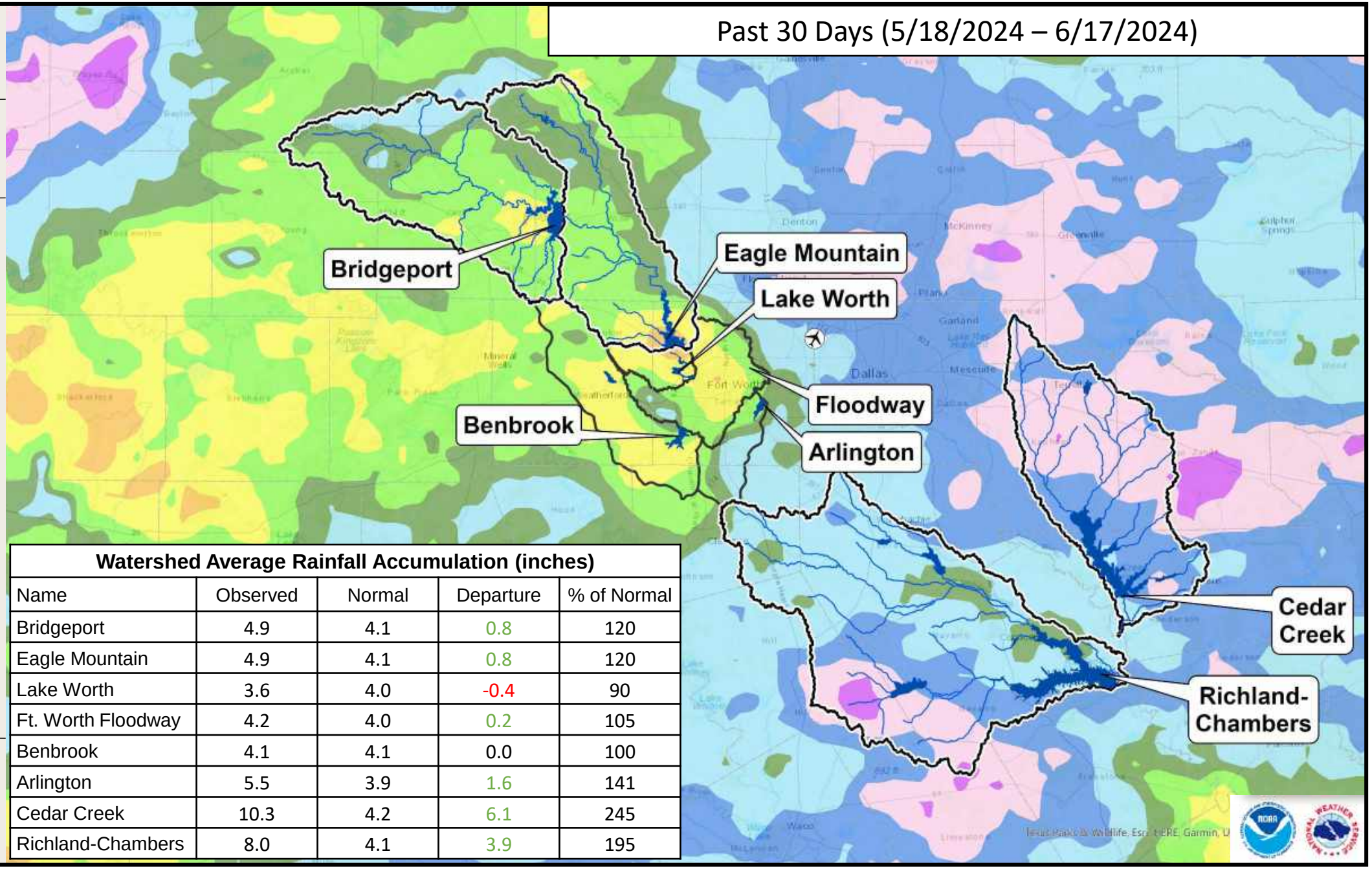
Tarrant Regional Water District

LEGEND

- 0 - 50 %
- 50 - 75 %
- 75 - 100 %
- 100 - 125 %
- 125 - 150 %
- 150 - 175 %
- 175 - 200 %
- 200 - 225 %
- 225 - 250 %
- > 250%

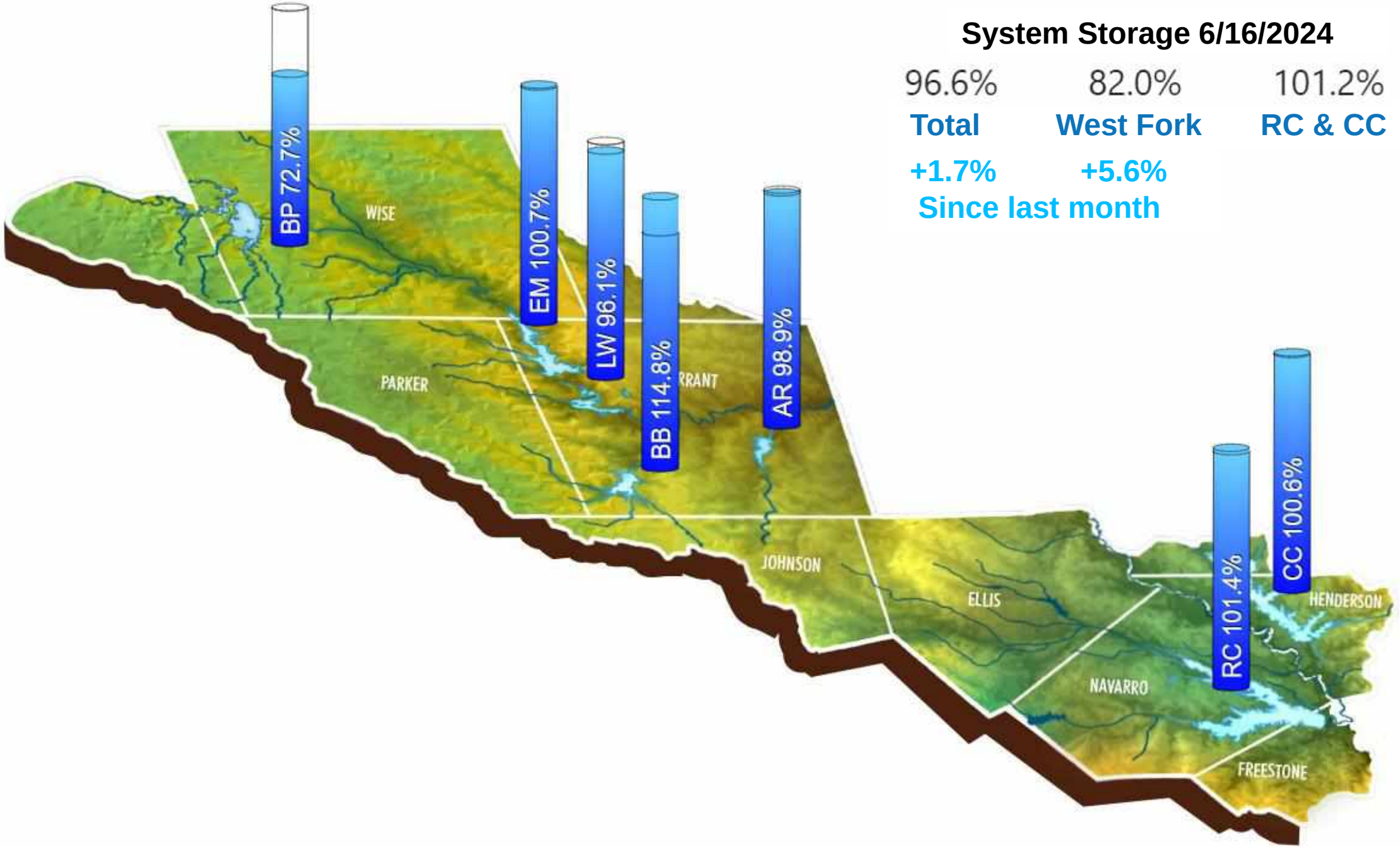
Precipitation totals are obtained from NOAA's NWS. The totals displayed are estimated by the WGRFC. The data is processed and displayed using ESRI ArcGIS.

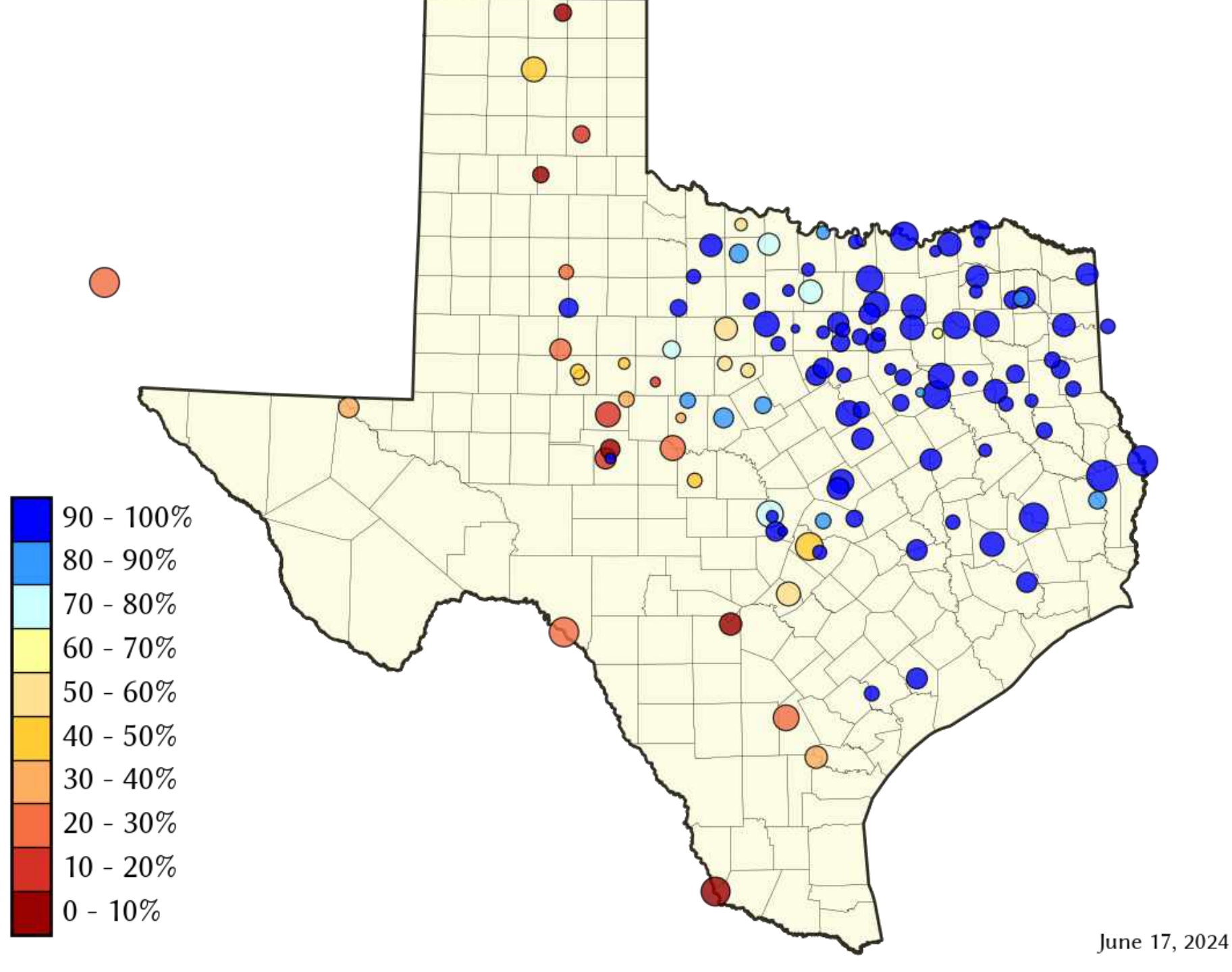
Past 30 Days (5/18/2024 – 6/17/2024)



Watershed Average Rainfall Accumulation (inches)

Name	Observed	Normal	Departure	% of Normal
Bridgeport	4.9	4.1	0.8	120
Eagle Mountain	4.9	4.1	0.8	120
Lake Worth	3.6	4.0	-0.4	90
Ft. Worth Floodway	4.2	4.0	0.2	105
Benbrook	4.1	4.1	0.0	100
Arlington	5.5	3.9	1.6	141
Cedar Creek	10.3	4.2	6.1	245
Richland-Chambers	8.0	4.1	3.9	195


System Storage 6/16/2024
96.6%
Total
82.0%
West Fork
101.2%
RC & CC
+1.7%
+5.6%
Since last month
BP 72.7%
EM 100.7%
LW 96.1%
BB 114.8%
AR 98.9%
RC 101.4%
CC 100.6%
WISE
PARKER
TARRANT
JOHNSON
ELLIS
NAVARRO
HENDERSON
FREESTONE


90 - 100%
80 - 90%
70 - 80%
60 - 70%
50 - 60%
40 - 50%
30 - 40%
20 - 30%
10 - 20%
0 - 10%
June 17, 2024

Historic and Projected Total Water Supply Storage

STAFF UPDATE

MWBE Vendor Participation Update

Crystal Alba, *Diverse Business Specialist*

WATER SUPPLY · FLOOD PROTECTION · RECREATION

Cumulative through Quarter 2 - FY 2024

	Total Actuals	Diverse Business Actuals	Diverse Business %
TRWD	$240,655,304	$ 57,879,699	24%
Integrated IPL (IPL)	$977,315,953	$303,982,763	31%
TRWD Grand Total	**$ 1,217,971,257**	**$361,862,462**	**30%**

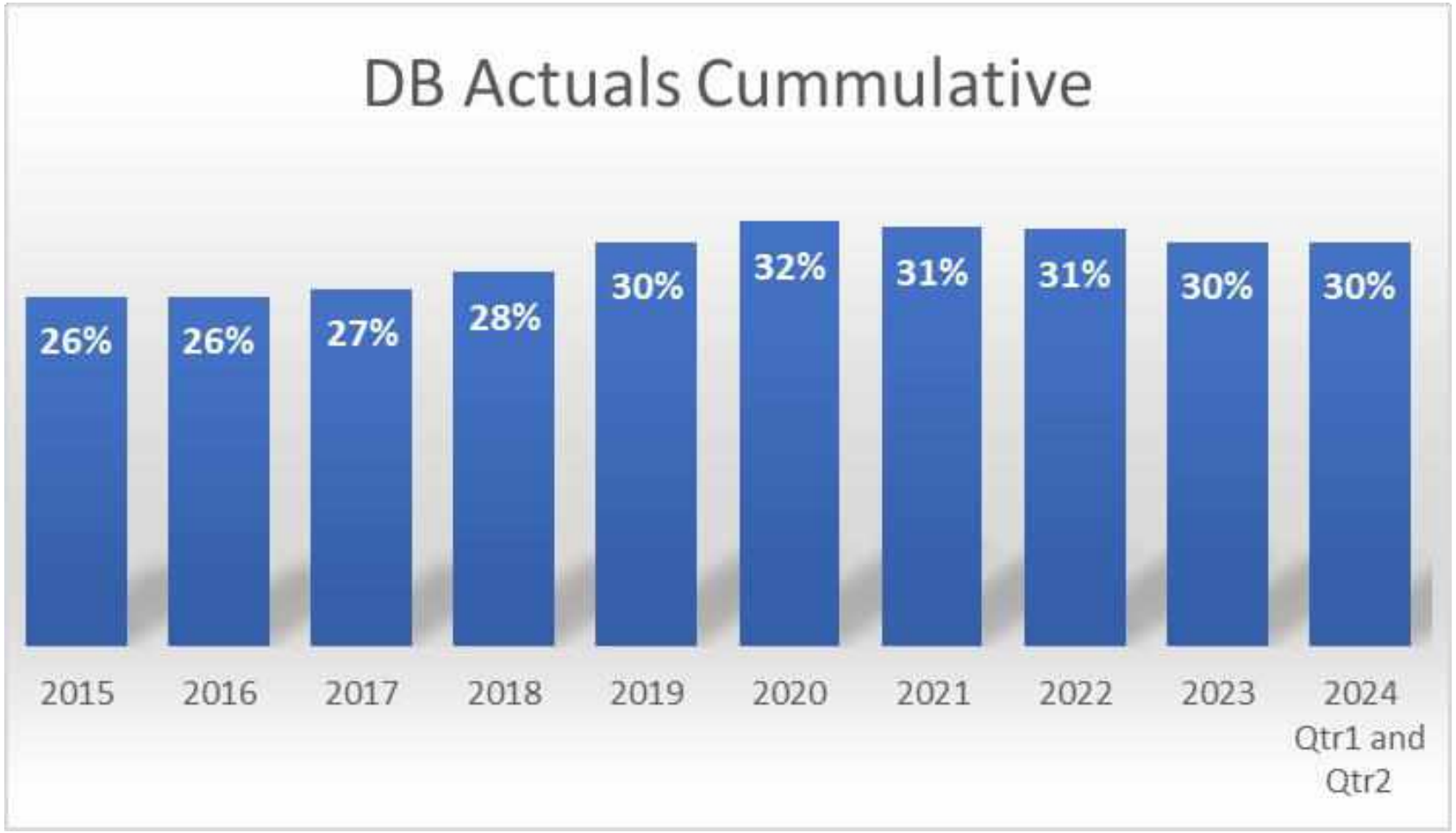
TRWD General Fund, Revenue Fund and Construction Funds reporting dates are 10/1/2013 –3/31/2024.

TRWD IPL Reporting dates are 1/1/2009 – 3/31/2024.

Figures do not include pipe, owner furnished equipment or land.

trwd

Diverse Business Actuals Percentage by Year - Cumulative



WATER SUPPLY · FLOOD PROTECTION · RECREATION

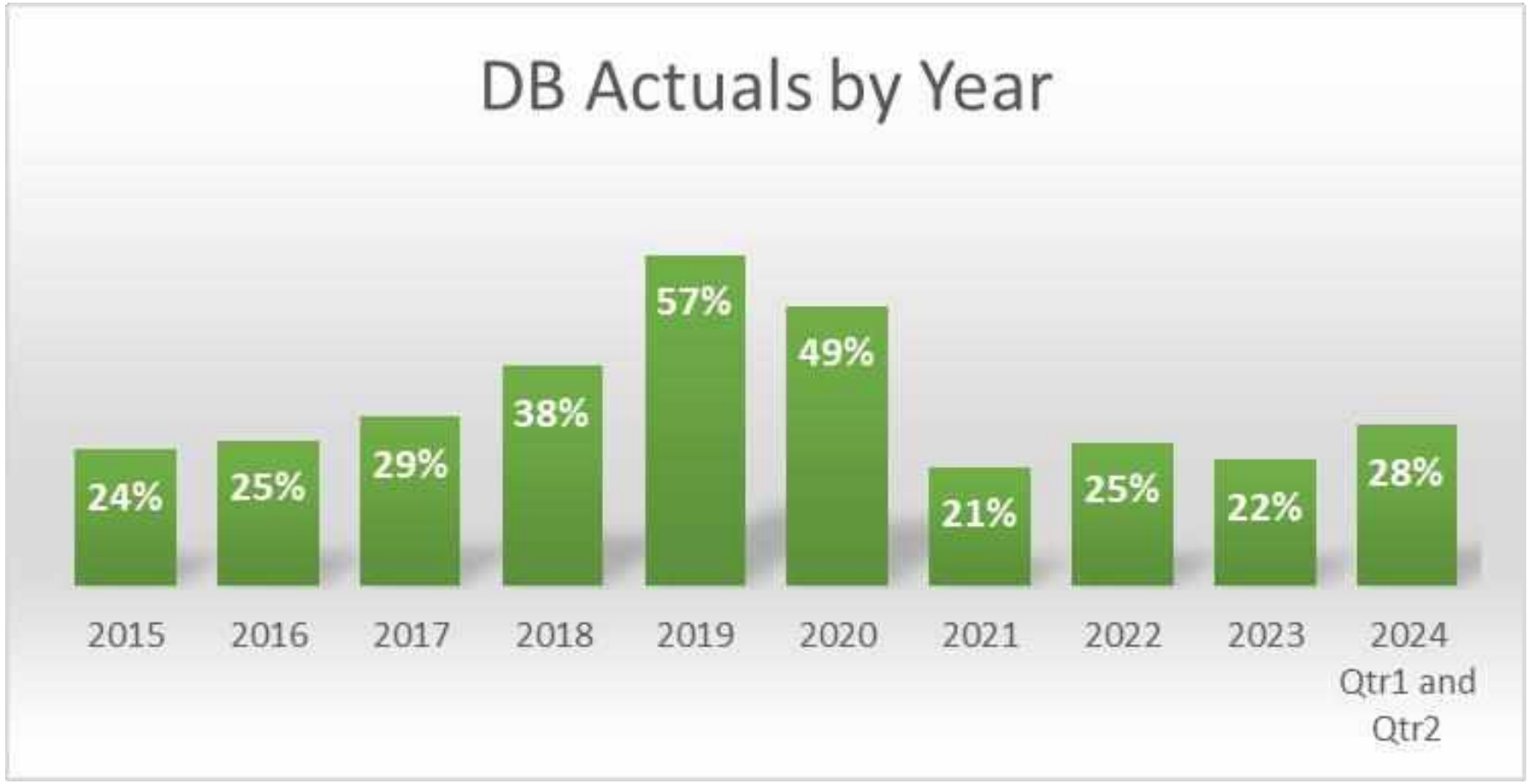
FY 2024 – 1st and 2nd Quarter

	Total Actuals	Diverse Business Actuals	Diverse Business %
TRWD	$14,184,782	$2,199,487	16%
Integrated IPL (IPL)	$35,855,368	$11,803,524	33%
TRWD Grand Total	$50,040,150	$14,003,011	28%

Reporting dates include 10/1/2022-3/31/2024. Figures do not include exclusions such as pipe, owner furnished equipment or land.

trwd

Diverse Business Actuals Percentage by Year



Local v. Non-Local
TRWD and Dallas

**Reporting dates are 7/1/2006-3/31/2024*
***Local includes Tarrant, Dallas, Anderson, Collin, Denton, Ellis, Freestone, Henderson, Jack, Johnson, Kaufman, Navarro, Parker, Rockwall, or Wise counties.*

trwd

Local v. Non-Local
TRWD Service Area Only

Reporting Dates 7/1/2006-3/31/2024
***TRWD Service Area Includes-Tarrant, Wise, Jack, Henderson, Ellis, Navarro, Freestone, Johnson, Kaufman, Parker, Denton*

trwd

Ongoing Efforts

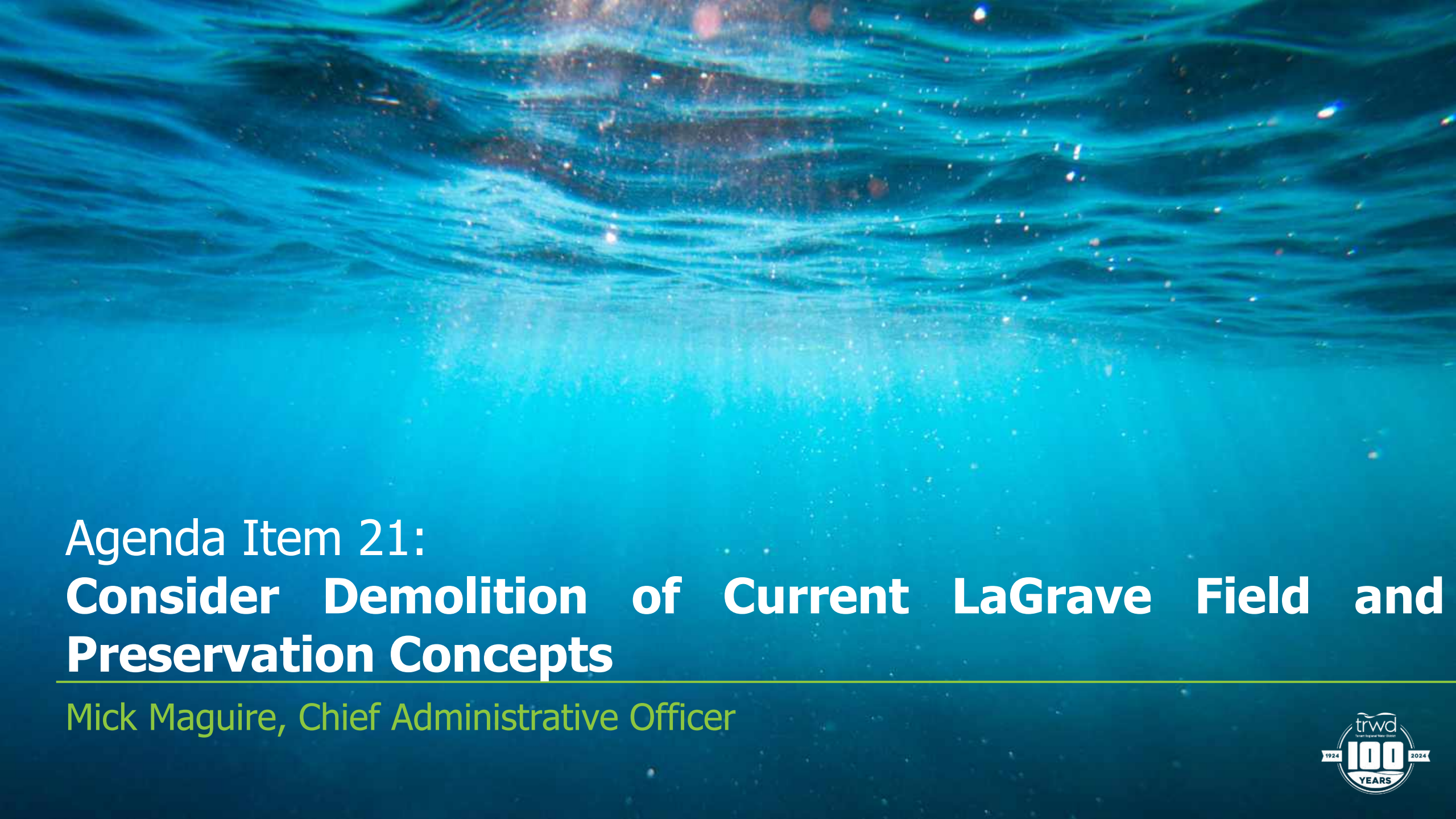
- Post notice of procurement opportunities to local Advocacy Agencies.
- Connect certified vendors and plan holders for potential subcontractors/supplier opportunities.
- Facilitate roundtable discussions with vendors.
- Attend regional outreach events.

STAFF UPDATE

Recognize 50 Years of Service

Alan Thomas, *Deputy General Manager*

Agenda Item 20:
Executive Session



Agenda Item 21:

Consider Demolition of Current LaGrave Field and Preservation Concepts

Mick Maguire, Chief Administrative Officer

LaGrave Background and Recommendation

Management recommends the following actions.

1. Demolish the existing structures and repurpose as many materials as possible for other functions.
2. Preserve several elements of the ballpark for potential future use or auction.

Agenda Item 22:

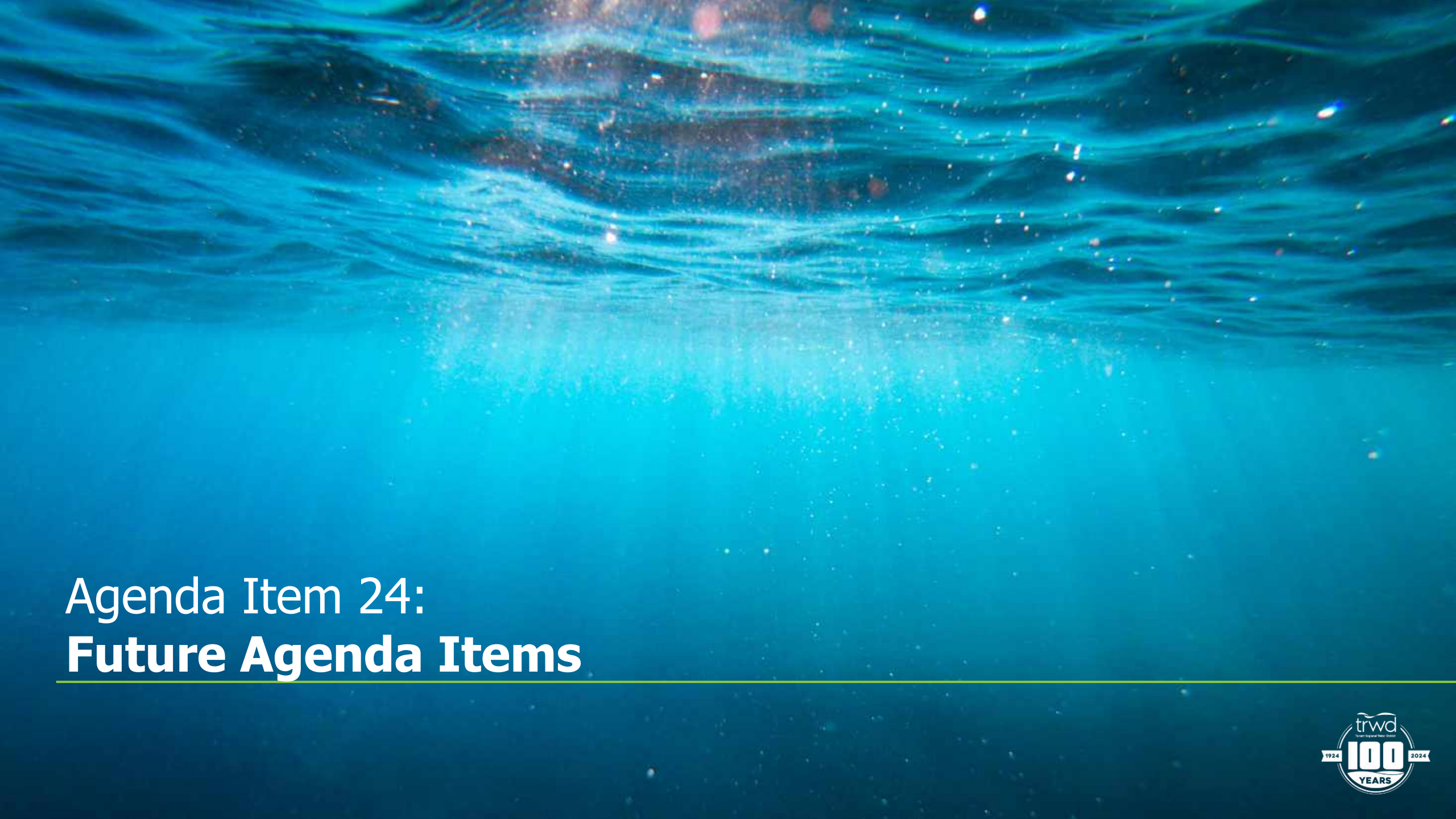
Consider Approval of Authorization to Acquire Real Property Interests by Purchase for the Cedar Creek Pipeline Rehab Project

Steve Christian, Director of Real Property

Agenda Item 23:

Consider Approval of Sale of Land in the J.T. Hobbs Survey, Abstract Number 806, in the City of Fort Worth, Tarrant County, Texas

Steve Christian, Director of Real Property



Agenda Item 24:
Future Agenda Items

Agenda Item 25:

Schedule Next Board Meeting

July 16, 2024 at 9:00 AM

Agenda Item 26:
Adjourn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Tarrant Regional Water District
1924
100
2024
YEARS