

**Alliance Regional Water Authority  
Technical Committee**

**REGULAR MEETING**



**ALLIANCE WATER**

**COMMITTEE MEMBER PACKETS**

Wednesday, August 10th, 2022 at 3:00 P.M.

Call-In Number: 1-346-248-7799

Meeting ID: 982 8616 3170

Passcode: 495028

**REGULAR MEETING**  
**Alliance Regional Water Authority Technical Committee**

**COMMITTEE MEMBER PACKETS**

Wednesday, August 10th, 2022 at 3:00 P.M.

Conference Call Number: 1-346-248-7799; Meeting ID: 982 8616 3170; Code: 495028

A quorum of Alliance Regional Water Authority's (the Authority's) Technical Committee will hold a meeting by telephonic conference call at 3:00 PM, Wednesday, August 10, 2022. The public may participate in this meeting by calling the following number and code:

**ZOOM MEETING LINK**

Call-In Number: 1-346-248-7799

Meeting ID: 982 8616 3170

Passcode: 495028

Members of the public wishing to make public comment during the meeting must register by emailing [info@alliancewater.org](mailto:info@alliancewater.org) prior to 3:00 p.m. on August 10, 2022. This meeting will be recorded and the audio recording will be available on the Authority's website after the meeting. A copy of the agenda packet will be available on the Authority's website at the time of the meeting. Additional information can be obtained by calling Graham Moore at (512) 294-3214.

A. CALL TO ORDER

B. ROLL CALL

C. PUBLIC COMMENT PERIOD (Note: Each person wishing to speak must submit a completed Public Comment Form to the Executive Director or his/her designee before the public comment period begins.)

D. CONSENT AGENDA

D.1 Consider approval of minutes of the Regular Technical Committee Meeting held July 13, 2022. ~ *Graham Moore, P.E., Executive Director*

E. PRESENTATIONS TO THE COMMITTEE

E.1 None.

F. ITEMS FOR COMMITTEE ACTION OR DISCUSSION/DIRECTION

F.1 Update and possible direction to Staff regarding construction of the Authority's Phase 1B program. ~ *Chris Noe, P.E., Pape-Dawson Engineers*

F.2 Update, discussion and possible direction to Staff regarding the Authority's Phase 1B program. ~ *Ryan Sowa, P.E., Kimley-Horn & Associates*

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- F.3 Possible recommendation to the Board to contingently award a construction contract for the Authority's Phase 1B Segment D Pipeline Project. ~ *Graham Moore, P.E., Executive Director*
- F.4 Possible recommendation to the Board to authorize a Work Order with Freese & Nichols, Inc. for construction administration services on the Authority's Phase 1B Segment D Pipeline Project. ~ *Graham Moore, P.E., Executive Director*
- F.5 Update, discussion and possible recommendation to the Board regarding the addition of a new delivery point at the Authority's Phase 1B Segment C Pipeline as requested by the City of Kyle. ~ *Graham Moore, P.E., Executive Director*
- F.6 Update, discussion and possible direction to Staff regarding the Authority's request to the Texas Water Development Board for additional SWIFT Funding. ~ *Graham Moore, P.E., Executive Director*
- F.7 Update on status of groundwater management in project target area, and Gonzales County Underground Water Conservation District, Plum Creek Conservation District, Groundwater Management Area 13, Region L Planning Group, Guadalupe-Blanco River Authority, Hays County and CAPCOG activities. ~ *Graham Moore, P.E., Executive Director*
  
- G. EXECUTIVE DIRECTOR REPORT - Update on future meeting dates, locations, consultant invoices paid, approved changed orders, status of Authority procurements, Executive Director activities and other operational activities where no action is required. ~ *Graham Moore, P.E., Executive Director*
  
- H. COMMITTEE MEMBER ITEMS OR FUTURE AGENDA ITEMS – Possible acknowledgement by Committee Members of future area events and/or requests for item(s) to be placed on a future agenda where no action is required.
  
- I. EXECUTIVE SESSION
  - I.1 *Executive Session pursuant to the Government Code, Section 551.071 (Consultation with Attorney) and/or Section 551.072 (Real Property Deliberations) regarding:*
    - A. *Water supply partnership options*

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- B. *Groundwater leases*
  - C. *Permit Applications filed at the Gonzales County Underground Water Conservation District*
  - D. *Acquisition of real property for water supply project purposes*
- I.2 Action from Executive Session on the following matters:
- A. *Water supply partnership options*
  - B. *Groundwater leases*
  - C. *Permit Applications filed at the Gonzales County Underground Water Conservation District*
  - D. *Acquisition of real property for water supply project purposes*

J. ADJOURNMENT

**NOTE:** *The Technical Committee may meet in Executive Session to consider any item listed on this agenda if a matter is raised that is appropriate for Executive Session discussion. An announcement will be made of the basis for the Executive Session discussion. The Technical Committee may also publicly discuss any item listed on the agenda for Executive Session.*

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**A. CALL TO ORDER**

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No Backup Information for this Item.

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**B. ROLL CALL**

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NAME PRESENT

Blake Neffendorf

Vacant

Paul Kite

Humberto Ramos

Tim Samford

Regina Franke

NON-VOTING MEMBERS PRESENT

Mayor Lee Urbanovsky

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**C. PUBLIC COMMENT PERIOD**

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Each person wishing to speak must submit a completed Public Comment Form to the Executive Director or his/her designee before the public comment period begins.

Comments are limited to 3-minutes per agenda item and three minutes total for all non-agenda topics. If using a translator, comments are limited to six minutes per agenda item and six minutes total for non-agenda topics.

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**D. CONSENT AGENDA**

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Item D.1 is presented as part of the consent agenda.



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**D.1** Consider approval of minutes of the Technical Committee Meeting held July 13, 2022. ~ *Graham Moore, P.E., Executive Director*

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Attachment(s)

- 2022 07 13 Technical Committee Meeting Minutes

**Technical Committee decision needed:**

- Approval of minutes.



**Alliance Regional Water Authority**

**TECHNICAL COMMITTEE MEETING**

**MINUTES**

**Wednesday, July 13, 2022**

The following represents the actions taken by the Technical Committee of the Alliance Regional Water Authority (Alliance Water) in the order they occurred during the meeting. The Technical Committee convened in a meeting on Wednesday, July 13, 2022 by telephonic conference call.

A. CALL TO ORDER.

**The Alliance Water Technical Committee Meeting was called to order at 3:0` p.m. by Mr. Earp.**

B. ROLL CALL.

- **Present: Neffendorf, Earp, Kite, Ramos and Franke.**
- **Absent: Samford and Urbanovsky.**

C. PUBLIC COMMENT PERIOD

- **None.**

D. CONSENT AGENDA

- D.1 Consider approval of minutes of the Regular Technical Committee Meeting held June 8, 2022.
- **Motion to adopt the minutes as presented was made by Mr. Ramos, seconded by Mr. Neffendorf and approved on a 5-0 vote.**

E. PRESENTATIONS TO THE COMMITTEE

- E.1 None.

F. ITEMS FOR COMMITTEE ACTION OR DISCUSSION/DIRECTION

- F.1 Update and possible direction to Staff regarding construction of the Authority's Phase 1B program.
- **Mr. Noe Pape-Dawson provided an update on the Phase 1B construction.**
  - **No Action.**
- F.2 Update, discussion and possible direction to Staff regarding the Authority's Phase 1B program.
- **Mr. Sowa provided an update on the Phase 1B program.**
  - **No Action.**
- F.3 Discussion and possible recommendation to the Board to approve Amendment #5 to Work Order #5 with BGE, Inc. for additional design services related to the Phase 1B Segment C project.
- **Mr. Moore presented the work order.**
  - **Mr. Earp inquired if the state law regarding a maximum increase of 25% applies to this agreement.**
  - **Mr. Earp moved to table action on Item F.3 until later in the meeting, seconded by Mr. Neffendorf and approved on a 5-0 vote.**
  - **Item F.3 was discussed again after the completion of Item F.6.**
  - **Motion to re-open Item F.3 was made by Mr. Earp, seconded by Mr. Neffendorf and approved on a 5-0 vote.**
  - **Mr. Gershon noted that the maximum 25% increase does not apply to professional services contracts, but rather to construction contract.**
  - **Motion to recommend to the Board approval of Amendment #5 to Work Order #5 as presented was made by Mr. Earp, seconded by Mr. Ramos and approved on a 5-0 vote.**
- F.4 Update, discussion and possible direction to Staff regarding the Authority's Phase 1B Water Quality and Corrosion Report.
- **Felipe Gutierrez with CP&Y made a presentation to the Committee updating them on the Water Quality and Corrosion Report.**
  - **No Action.**
- F.5 Discussion and possible direction to Staff regarding the request by the Guadalupe-Blanco River Authority to expand the capacity of the ARWA Water Treatment Plant.
- **Mr. Moore presented the facts in the packet.**
  - **Mr. Ramos inquired as to the timeline needed for a decision, including time necessary to review a contract.**
  - **Mr. Moore noted that definitive timeline has not been provided.**
  - **Mr. Kite asked if the expansion would also be needed by ARWA at the same time.**

- **Mr. Moore responded that Staff wants to review the timing of its planned expansion to help determine the timing – this is in part why Staff has requested water projection updates from the Sponsors.**
  - **Brian Perkins from GBRA stated that their preference would be to time the expansion to coincide with ARWA’s expansion that was originally scheduled for 2027-28.**
  - **Mr. Earp noted that there are a lot of moving parts, he suggested that the Board be updated on the request and note that ARWA resources will be spent to study this further.**
  - **No Action.**
- F.6 Update, discussion and possible direction to Staff regarding the request from Buda to reduce their shared water volume.
- **Mr. Moore provided an update on Buda’s request to reduce the amount of water shared with them.**
  - **Mr. Earp made inquiries as to how the water is currently being shared.**
  - **Mr. Moore responded that water from the agreement has only been sent to Buda a total of 2-3 days over the entirety of the agreement.**
  - **Motion to recommend to the Board approval of the amendment to the water sharing agreement was made by Mr. Earp, seconded by Mr. Kite and approved on a 5-0 vote.**
- F.7 Discussion and possible recommendation to the Board to recommend approval of the proposed Authority budget for FY 2022-23; and possible direction to staff.
- **Mr. Moore provided an update on the recent Administrative Committee meeting.**
  - **Mr. Neffendorf noted an apparent error in Table 5 that shows the amounts owed by Buda and CRWA swapped.**
  - **Motion to recommend to the Board approval of the FY 2022-23 budget was made by Mr. Earp, seconded by Mr. Ramos and approved on a 5-0 vote.**
- F.8 Update on status of groundwater management in project target area, and Gonzales County Underground Water Conservation District, Plum Creek Conservation District, Groundwater Management Area 13, Region L Planning Group, Guadalupe-Blanco River Authority, Hays County and CAPCOG activities.
- **Mr. Moore provided an update.**
  - **No Action.**

G. EXECUTIVE DIRECTOR REPORT

- **Mr. Moore noted that Mr. Earp will be joining the City of Hutto as City Manager very soon. Mr. Moore thanked Mr. Earp for all of his time and effort on Alliance Water's behalf.**

H. COMMITTEE MEMBER ITEMS OR FUTURE AGENDA ITEMS

- **None.**

I. EXECUTIVE SESSION

I.1 Executive Session on the following matters:

- A. Water supply partnership options
- B. Groundwater leases
- C. Acquisition of real property for water supply project purposes
- **No Executive Session.**

I.2 Action from Executive Session on the following matters:

- A. Water supply partnership options
- B. Groundwater leases
- C. Acquisition of real property for water supply project purposes
- **No Action.**

J. ADJOURNMENT

- **Meeting was adjourned at 4:33 p.m. by Mr. Earp.**

APPROVED: \_\_\_\_\_, 2022

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**F.1** Update and possible direction to Staff regarding construction of the Authority's Phase 1B program. ~ *Chris Noe, P.E., Pape-Dawson Engineers*

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Background/Information

Chris Noe with Pape Dawson will update the Committee on recent construction activities associated with the Phase 1B program.

Attachment(s)

- Phase 1B Construction Update – August 10, 2022

**Technical Committee Decisions Needed:**

- None.



# PHASE 1B CONSTRUCTION UPDATE

## TECHNICAL COMMITTEE MEETING

CMI Progress

August 10, 2022

Water Resources | Transportation | Land Development | Surveying | Environmental

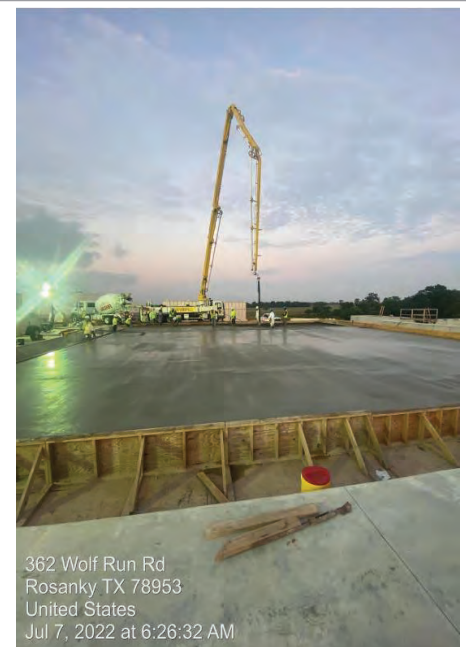


## Water Treatment Plant / Raw Water Infrastructure (Archer Western / Walker Partners)



### Construction Status

- Completed the placement of backfill around the Flow EQ Basin, Plate Settler Basin and Recycle Pump Station
- Completed the placement of the slab on grade concrete for the Filter Complex and the placement of the Containment Walls for the Chemical Storage area.
- Installed the raw waterlines for sections WL-C and WL-A
- Completed the subgrade preparation and concrete placement for the mechanical pads at the Wells Site.
- Continued backfill and concrete encasement of the backwash pump cans and placed the concrete footings with the plumbing/grouting of the plant water pump cans.
- Continued construction of the Clearwell and Raw Water Tanks.



362 Wolf Run Rd  
Rosanky TX 78953  
United States  
Jul 7, 2022 at 6:26:32 AM

West Filter Room Concrete placement at the Filter Complex



# WTP/RWI - PROGRESS PHOTOS



WTP – Plate Settler Basin Sludge Pump Pad



362 Wolf Run Rd  
Rosanky TX 78953  
United States  
Jul 15, 2022 at 11:44:48 AM

WTP– Filter Unit Housekeeping Pad of Filter Complex



Rosanky TX 78953  
United States  
Jul 28, 2022 at 9:28:01 AM

WTP– HSPS Plant Water Pump Can Encasement Formwork

3

# WTP/RWI - PROGRESS PHOTOS



362 Wolf Run Rd  
Rosanky TX 78953  
United States  
Jul 15, 2022 at 10:47:01 AM

WTP – Raw Waterline WL-A at STA 14+05



Rosanky TX 78953  
United States  
Jul 21, 2022 at 10:35:23 AM

WTP – Raw Waterline WL-C Bore and Casting at STA 23+50



362 Wolf Run Rd  
Rosanky TX 78953  
United States  
Jul 15, 2022 at 10:35:43 AM

WTP – Raw Water Tanks Exterior Coating

4



## Water Treatment Plant / Raw Water Infrastructure (Archer Western / Walker Partners)

### Next Month - Projected Construction Activities

- Set filter units in place at the Filter Complex
- Continue construction of the Rapid Mix Basin
- Complete installation of WL-A and WL-C
- Complete Raw Water tanks and appurtenances installation
- Complete shotcrete and install appurtenances at the Clearwell
- Complete concrete encasement of the backwash pump cans
- Complete concrete encasement of the plant water pump cans
- Complete backfill around the HSPS



Raw Water Tank Interior Inlet and Overflow  
Piping

## Booster Pump Station (MWH / Friese and Nichols)

### Construction Status

- Excavated the pump station pump suction lines and placed approximately 6" of flowable fill below the pump suction lines.
- Continued with the installation of the Segment B 36" DIP to the pup station ending at STA 13+85.
- Began the installation of the Segment B1 42" DIP, beginning at STA 13+08 to STA 11+67.
- Continued with the installation of the GST interior shoring for the roof dome by adding the formwork for the roof deck and the exterior dome.
- Began the rough-in of the electrical conduits for the transformer pad, generator pad and the electrical building.



BPS – Pump Station Backfill



# BPS - PROGRESS PHOTOS



Segment B 36" DIP at STA 11+60



BPS – Segment B1 42" DIP at STA 11+67



BPS – Segment B1 42" DIP at STA 12+71

7

# BPS - PROGRESS PHOTOS



BPS – Generator Pad Prior to Concrete Placement



BPS – Generator Concrete Placement



BPS – Electrical Building Electrical Conduit Rough-in

8



# Booster Pump Station (MWH / Friese and Nichols)

## Next Month - Projected Construction Activities

- Continue electrical underground
- Continue backfill of the electrical building
- Continue 42" DIP segment B1 installation
- Continue wire winding and shotcrete on the exterior of the GST
- Begin installation of Segments C & D



GST Shoring for dome placement

# Segment A (Garney Construction / LAN)

## Construction Status

- Not Started
- ROW Cleared
- Pipe Delivered
- Pipe Installed
- Complete



Activity	Status
ROW Cleared	100%
Pipe Delivered	82%
Minor Tunnels Completed	44% (7 of 16)
Pipe Installed	6%
Major Crossing (Plum Creek)	Receiving pit under construction



# SEGMENT A - PROGRESS PHOTOS



Seg A – Rifle Rd Bypass Install



Seg A – Rifle Rd Open Cut Crossing

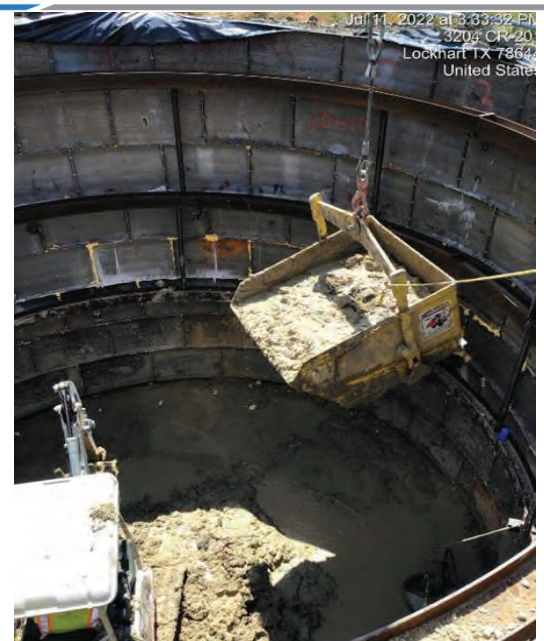


Seg A – Road Crossing Pipe Install

## Segment A (Garney Construction / LAN)

### Next Month - Projected Construction Activities

- Tunnels
  - Install 3 tunnels to bring total to 10 of 16 (63%)
    1. Bore Location #7 - FM 3158
    2. Bore Location #8 – CR 160
    3. Bore Location #9 – Unnamed Tributary
- Major Crossings
  - Finish Plum Creek Receiving Shaft
  - Finish Plum Creek Launch Shaft
  - Conduct Pre-Micro tunneling Meeting Onsite
- Pipe Installation
  - Continue installation of 48” pipe starting at CR-304 going East towards Sandy Fork.
  - Finish deliveries and staging of all pipe.



Seg A – Removal of Excavated materials from Receiving Pit



# Segment B (Garney Construction / K Friese)

### Construction Status

- Not Started
- ROW Cleared
- Pipe Delivered
- Pipe Installed
- Complete



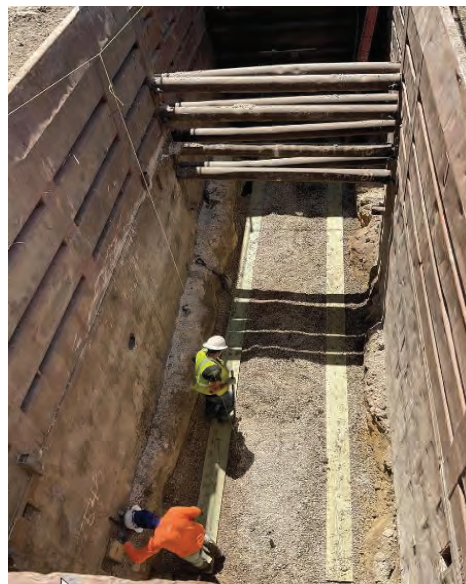
Activity	Status
ROW Cleared	71%
Pipe Delivered	29%
Minor Tunnels Completed	38% (8 of 21)
Pipe Installed	1%
Major Crossing (TX 130)	Submittal process underway

13

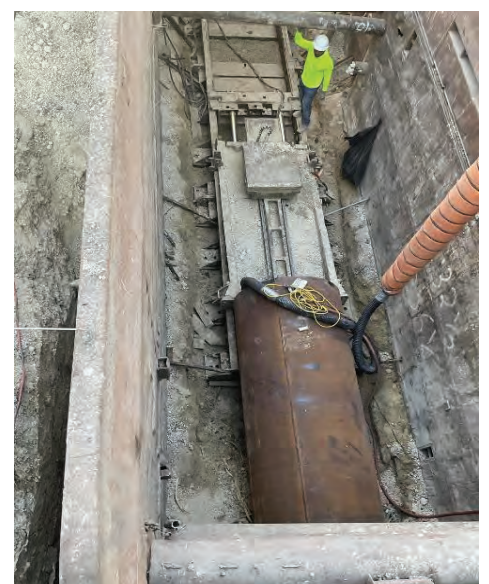
## SEGMENT B - PROGRESS PHOTOS



Seg B – Fiber Optic Line at Vista Ridge



Seg B – Tunnel 3 Vista Ridge



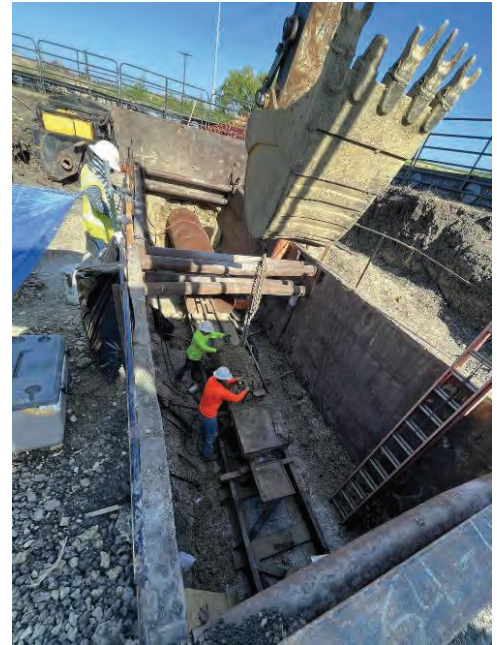
Seg B – Vista Ridge 54" Steel Casing

14

# Segment B (Garney Construction / K Friese)

## Next Month - Projected Construction Activities

- Tunnels
  - Install 4 tunnels to bring total to 12 of 21 (57%)
    - Bore Location #3 on B2 – Vista Ridge Waterline Crossing
    - Bore Location #13 on B1 – Tower Road
    - Bore Location # 1 on B1 – FM 1322
    - Bore Location #2 on B1 – Citgo Gas Line
- Finish Open Cut Casing at FM 110 Crossing
- Major Crossings
  - TX-130 Pre-construction meeting
- Pipe Installation
  - Continue 36" Pipe Installation on B2 laying West from starting at 0+00 near SH 142.
  - Start delivery of B1 pipe
  - Finish delivery of B2 pipe



Seg B – Spoil removal at Church St.

# PROGRAM OVERSIGHT RECAP

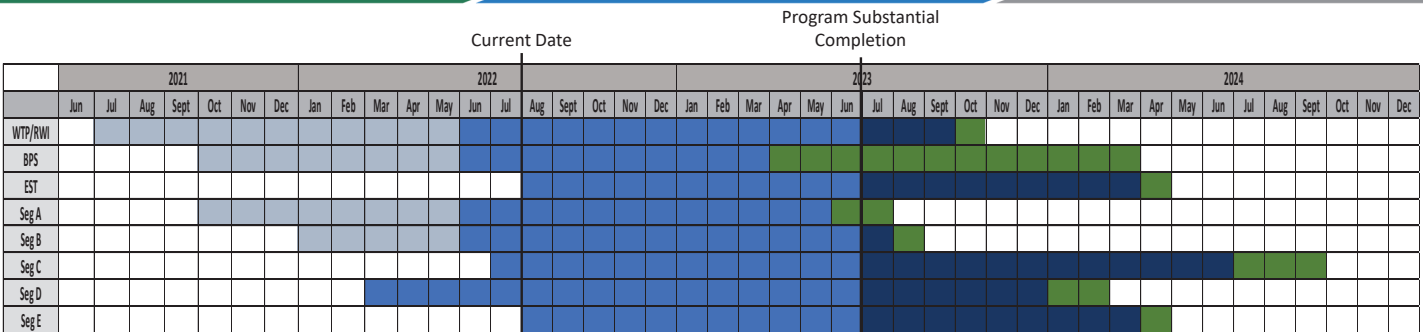
Project	RFIs		Submittals		Test Reports	
	This Period	To Date	This Period	To Date	This Period	To Date
<b>WTP/RWI</b>	2	54	6	185	29	137
<b>BPS</b>	1	30	2	75	15	67
<b>Seg A</b>	4	30	2	38	24	32
<b>Seg B</b>	2	8	3	41	6	22



# PROGRAM CONTRACT VALUES

PROJECT	CURRENT CONTRACT VALUE	BILLED TO DATE	REMAINING	% COMPLETE
WTP/RWI	\$ 54,787,322.00	\$19,910,109.13	\$34,877,212.87	36.34%
BPS	\$19,706,258.71	\$5,397,622.73	\$14,308,635.98	27.39%
EST	\$0.00	\$0.00	\$0.00	0.00%
Seg A	\$49,471,384.71	\$9,765,014.45	\$39,706,370.26	19.74%
Seg B	\$37,629,104.42	\$1,319,256.00	\$36,309,848.42	3.51%
Seg D	\$0.00	\$0.00	\$0.00	0.00%
Seg C	\$0.00	\$0.00	\$0.00	0.00%
Seg E	\$0.00	\$0.00	\$0.00	0.00%

# PROGRAM SCHEDULE DURATIONS



Project	Contract Dates				Program Sub Completion Status (June 2023)
	Notice to Proceed	Original Sub Completion	Current Sub Completion	Final Completion	
WTP/RWI	7/16/2021	7/16/2023	9/3/2023	11/2/2023	Behind 9 wks
BPS	10/25/2021	3/19/2023		3/18/2024	On Time
Seg A	11/16/2021	6/9/2023		10/7/2023	On Time
Seg B	2/15/2022	8/9/2023		10/8/2023	Behind 5 wks

**QUESTIONS?**



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- F.2** Update and possible direction to Staff regarding the Authority's Phase 1B program.  
~ *Ryan Sowa, P.E., Kimley-Horn & Associates*
- 

Background/Information

Ryan Sowa with Kimley-Horn will update the Committee on their recent activities associated with the Phase 1B program.

Attachment(s)

- Phase 1B Program Update – August 10, 2022
- Kimley-Horn Monthly Summary of Activities for July 2022

**Technical Committee Decisions Needed:**

- None.



# Phase 1B Program Update

Technical Committee Meeting  
August 10, 2022



**ALLIANCE WATER**

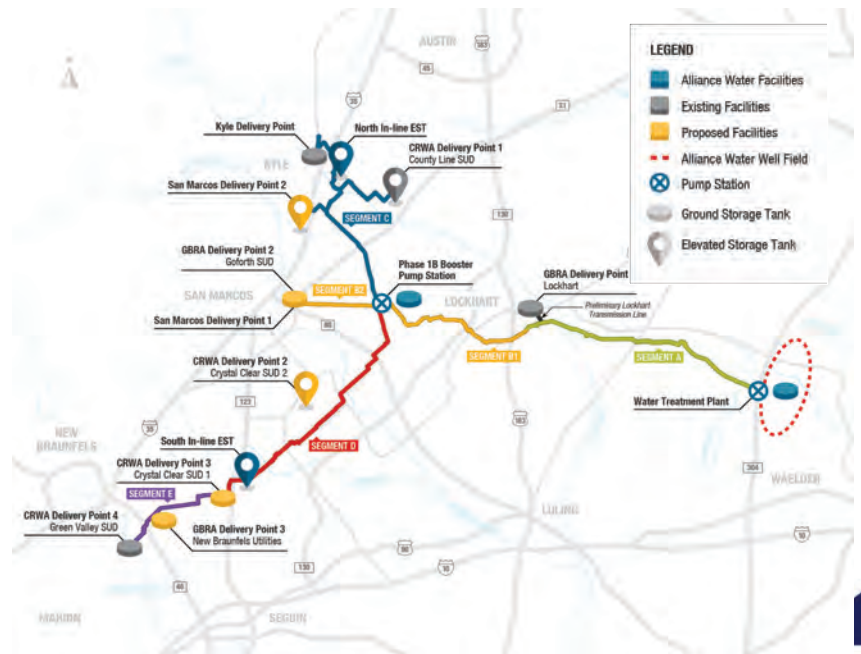
Kimley»Horn  
Expect More. Experience Better.

PRESENTED BY

## Ongoing Progress

### ► Design Milestone Status

- Design Submittals
  - Segment E – 100% submittal anticipated in August
  - Segment C – 100% submittal anticipated in September
  - Inline Elevated Storage Tank – 90% submittal anticipated in September
- TWDB Reviews
  - WTP
    - Change Order No. 1 and 2 Release of Funds Under Review
  - Segment D
    - Engineering Feasibility Report Being Routed for Approval
  - Segment E
    - Environmental Data Report Under Review
    - Engineering Feasibility Report Under Review



**ENVIRONMENTAL STUDY UPDATE**

**August 2022**

Project	Desktop Analysis	Field Work	Agency Coordination	TWDB Approval
Water Treatment Plant	C	C	C	C
Pipeline Segment A	C	C	C	C
Pipeline Segment B	C	C	C	C
Pipeline Segment C / North Inline Elevated Tank	C	U	U	NS
Pipeline Segment D / South Inline Elevated Tank	C	C	C	C
Pipeline Segment E	C	C	C	U
Booster Pump Station	C	C	C	C

NS = Not Started, U = Underway, C = Completed

**SEGMENT C**

- Field Work for Realignments and USACE Revisions – nearly complete

**SEGMENT E**

- Awaiting TWDB approval of Environmental Report
- Coordination with THC, Guadalupe County regarding relocation process



# Pipeline Easement Acquisition Status

Pipeline Segment	Number of Parcels	STATUS						
		(A) Appraisal/Offer in Development	(B) Negotiation (Initial Offer)	(C) Negotiation (Final Offer)	(D) = (A+B+C) Appraisal / Negotiation	(E) Condemnation in Process	(F) = (D+E) Possession Still Needed	(G) Purchase Agreement Signed / Possession Obtained
A	39	0	0	0	0	0	0	39
B	52	0	0	0	0	0	0	52
D	57	0	0	0	0	6	6	51
C	78	9	6	9	24	22	46	32
E	38	3	5	4	12	13	25	13
Well Field	17	0	0	0	0	0	0	17
<b>Total</b>	<b>281</b>						<b>77</b>	<b>204</b>



## COST UPDATES BASED ON JULY MILESTONE SUBMITTALS/RESULTS

		ORIGINAL (FEB. 2019)	REVISED	
	Construction Package	ARWA Total Projected Cost	ARWA Total Projected Cost	DIFFERENCE
<b>Submittal (%) Combined Program Infrastructure</b>				
Const.	Water Treatment Plant	\$ 25,200,000	\$ 29,500,000	\$ 4,300,000
Const.	Booster Pump Station & GBRA Meter Stations	\$ 12,100,000	\$ 13,700,000	\$ 1,600,000
60	Inline EST (South)	\$ 3,600,000	\$ 4,100,000	\$ 500,000
Const.	Pipeline Segment A	\$ 27,200,000	\$ 28,600,000	\$ 1,400,000
Const.	Pipeline Segment B	\$ 27,100,000	\$ 33,800,000	\$ 6,700,000
100	Pipeline Segment D	\$ 36,300,000	\$ 43,700,000	\$ 7,400,000
90	Pipeline Segment E	\$ 9,500,000	\$ 10,900,000	\$ 1,400,000
	<b>Subtotal</b>	<b>\$141,000,000</b>	<b>\$164,300,000</b>	<b>\$ 23,300,000</b>
<b>ARWA-Only Infrastructure</b>				
Const.	Well Drilling	\$ 3,800,000	\$ 3,300,000	(\$ 500,000)
Const.	Raw Water Infrastructure	\$ 7,000,000	\$ 10,600,000	\$ 3,600,000
Const.	ARWA Booster Pump Station & Delivery Points	\$ 7,700,000	\$ 4,800,000	(\$ 2,900,000)
30	Inline EST (North)	\$ 5,400,000	\$ 6,500,000	\$ 1,100,000
90	Pipeline Segment C	\$ 64,500,000	\$ 68,600,000	\$ 4,100,000
90	Pipeline Segment E (ARWA-Only)	\$ 6,700,000	\$ 12,600,000	\$ 5,900,000
No Design	Administration and Operations Building	\$ 4,300,000	\$ 4,200,000	(\$ 100,000)
	<b>Subtotal</b>	<b>\$ 99,400,000</b>	<b>\$110,600,000</b>	<b>\$ 11,200,000</b>
<b>Total</b>		<b>\$240,400,000</b>	<b>\$274,900,000</b>	<b>\$34,500,000</b>

**AUGUST 2022 UPDATE**

**NO CHANGE FROM JULY UPDATE**



# Questions?

August 5, 2022

## Project Monthly Summary

### July 2022 Tasks Performed:

- Task 2 – Stakeholder Coordination
  - Coordination and/or meetings with entities including: Caldwell County, Guadalupe County, Bluebonnet Electric Coop, TxDOT, TCEQ, and TWDB.
  - Continued weekly task coordination with Alliance Water.
  - Prepared and presented the Technical Committee Meeting Update.
  - Prepared and presented the Project Advisory Committee Meeting Update.
  - Prepared and presented the Board Meeting Update.
  - Prepared for and held Monthly Status Meeting with Alliance Water.
  
- Task 3 – Budgeting
  - Prepared a draft overall budget projection for ARWA review.
  - Prepared and presented the monthly Budget Update for the Technical Committee and Board meetings.
  - Continued updates to Budget Workbook to include monthly tracking of actual costs for ARWA review.
  
- Task 4 – Schedule
  - Prepared and presented the Program Schedule Update for the Technical Committee and PAC meetings.
  - Revised the Project Deliverable Schedule based on the feedback received from ARWA, Design Consultants, and Construction Management & Inspection team.
  - Integrated each project schedule into overall Program schedule. Developed and distributed the monthly Program schedule summary.
  
- Task 6 – Data Management
  - Continued to coordinate with ARWA and Construction Management & Inspection Team to integrate construction data collected on the GIS WebMap.
  - Ongoing maintenance of Microsoft SharePoint Online program.
  - Continued updating of web-based GIS for easement acquisition process and alignment changes.
  
- Task 7 – Environmental Management
  - Continued coordination with Program Environmental Consultant concerning the comments from the United States Army Corps of Engineers.
  - Continued coordination with the Program Environmental Consultant fieldwork for Segments C.
  - Continued coordination with ARWA and the Program Environmental Consultant regarding the burial relocation proceedings.



**Alliance Water – Phase 1B Infrastructure – Owner’s Representative**

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- Performed coordination between Program Environmental Consultant and Land Acquisition Consultant to clarify environmental field work to be done on properties as part of easement acquisition process.
- Monthly progress meeting and ongoing coordination with Program Environmental Consultant.
- Continued coordination between Program Environmental Consultant and Design Engineers.
  
- Task 8 – Land Acquisition Management
  - Coordinated the appraisal process for Segments C, E, and W parcels.
  - Coordinated with Program Survey Consultant, Program Environmental Consultant, and Land Acquisition team to address questions that arise as part of the field work coordination process.
  - Performed weekly QC of parcel files in SharePoint, provided comments to Land Acquisition team.
  - Weekly coordination meeting with land agents to discuss status of rights-of-entry and to provide Program clarification on any questions/requests that have come from landowners.
  - Reviewed Program Land Acquisition team, Program Appraiser, and Program Survey invoices.
  - Continued field work coordination to notify landowners of upcoming field work by consultants.
  
- Task 9 – Texas Water Development Board Management
  - Continued coordination with TWDB Staff to track all EFRs, environmental reports, and bid documents currently under review as well as preparation of funding release requests.
  
- Task 10 – Design Standards
  - Updated and released the revised Construction Standards to the Design Consultants given a question from construction activities.
  
- Task 11 – Engineering Design Management
  - Pipelines:
    - Segment A
      - Continue coordination with Design Consultant for construction phase services.
    - Segment B
      - Continued coordination with Design Consultant for construction phase services.
    - Segment C
      - Continued coordination with Design Consultant for final design.
      - Continued coordination with Design Consultant regarding ongoing field work and pipeline alignment considerations.

**Alliance Water – Phase 1B Infrastructure – Owner’s Representative**

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- Segment D
      - Continue coordination with Design Consultant during project procurement.
      - Attended Segment D Bid Opening.
    - Segment E
      - Continued coordination with Design Consultant for final design.
  - Raw Water Infrastructure:
    - Continued coordination with Design Consultant for construction phase services.
  - Water Treatment Plant:
    - Continued coordination with Design Consultant concerning Hydraulics/Surge development.
    - Continued coordination with Design Consultant for construction phase services.
  - Booster Pump Station:
    - Coordinated with Design Consultant for construction phase services.
  - Inline Elevated Storage Tanks:
    - Continued coordination with Design Consultant for final design development.
  - Other:
    - Monthly progress meetings with all Design Consultants (pipelines, water treatment plant, raw water infrastructure, wellfield, booster pump station).
    - Review invoices, schedules, and risk logs for consultants.
- Task 13 – Electrical Power Planning
  - Continued coordination with GVEC regarding electric service to the WTP and wellfield.
- Task 14 – Permit Coordination/Tracking
  - Continued Permit coordination with Pipeline Consultants.
  - Continued coordination with Caldwell, Guadalupe, and Hays County TxDOT offices concerning roadway crossings.
  - Continued coordination with Caldwell, Guadalupe, and Hays Counties regarding on going permit reviews.
  - Continued General Coordination with GVEC, BBEC, and LCRA.
  - On-going Permit Tracking Log Updates.
- Task 15 – Procurement and Construction Phase Services
  - Coordinated with Segment D Consultant to prepare addenda and answer contractor questions during project procurement.
  - Prepared for and attended Segment D pre-proposal meeting.
  - Prepared for and attended Segment D bid opening.

**Alliance Water – Phase 1B Infrastructure – Owner’s Representative**

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- Coordinated with Segment D Consultant and ARWA to distribute Segment D proposals for review and evaluation.
- Continued coordination with the Construction Management & Inspection team.
- Continued coordination with WTP, RWI, BPS, Segment A, and Segment B Design Consultants during the construction phase.
- Task 18 – Environmental Construction Services
  - Continued efforts to complete Migratory Bird nest surveys and associated memos for reporting.
  - Coordinated with the USACE regarding the permit for the blown bore on Sandy Creek.
  - Attended construction status meetings.

**August 2022 Projection:**

- Task 2 – Stakeholder Coordination
  - Coordination and/or meetings with entities including: Caldwell County, Guadalupe County, GVEC, Bluebonnet Electric Coop, TxDOT, TCEQ, and TWDB.
  - Continue weekly task coordination with Alliance Water.
  - Prepare and present Technical Committee Meeting Update.
  - Prepare and present Project Advisory Committee Meeting Update.
  - Prepare and present Board Meeting Update.
  - Prepare for and hold Monthly Status Meeting with Alliance Water.
- Task 3 – Budgeting
  - Address ARWA comments and finalize budget projection.
  - Prepare and present the monthly Budget Update for the Technical Committee and Board meetings.
  - Continue updates to Budget Workbook to include monthly tracking of actual costs for ARWA review.
- Task 4 – Schedule
  - Revise the Project Deliverable Schedule based on the feedback received from ARWA, Design Consultants, and Construction Management & Inspection team.
  - Integrate each project schedule into overall Program schedule. Develop and distribute schedule update and memorandum.
- Task 6 – Data Management
  - Continued coordination with ARWA and Construction Management & Inspection Team to integrate construction data collected on the new GIS WebMap.
  - Ongoing maintenance of Microsoft SharePoint Online program.



**Alliance Water – Phase 1B Infrastructure – Owner’s Representative**

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- Continued updating of web-based GIS for easement acquisition process and alignment changes.
- Task 7 – Environmental Management
  - Continue coordination with ARWA and the Program Environmental Consultant regarding the burial relocation proceedings.
  - Continue coordination with Program Environmental Consultant concerning the comments from the United States Army Corps of Engineers.
  - Continued coordination with the Program Environmental Consultant regarding outstanding fieldwork for Segment C.
  - Perform coordination between Program Environmental Consultant and Land Acquisition Consultant to clarify environmental field work to be done on properties as part of the easement acquisition process.
  - Monthly progress meeting and ongoing coordination with Program Environmental Consultant.
  - Continue coordination between Program Environmental Consultant and Design Engineers.
  - Review Program Environmental invoices, schedule, and risk log.
- Task 8 – Land Acquisition Management
  - Coordinate the appraisal process for Segment C, E, and W parcels.
  - Coordinate with Program Survey Consultant, Program Environmental Consultant, and Land Acquisition team to address questions that arise as part of the field work coordination process.
  - Perform weekly QC of parcel files in SharePoint, provide comments to Land Acquisition team.
  - Weekly coordination meeting with land agents to discuss status of rights-of-entry and to provide Program clarification on any questions/requests that have come from landowners.
  - Review Program Land Acquisition team, Program Appraiser, and Program Survey invoices.
  - Continue field work coordination to notify landowners of upcoming field work by consultants.
- Task 9 – Texas Water Development Board Management
  - Continue coordination with TWDB Staff to track all EFRs, environmental reports, and bid documents currently under review as well as preparation of funding release requests.
- Task 10 – Design Standards
  - Review Construction Standards given questions arising from construction activities and coordinate with the Program as needed.
- Task 11 – Engineering Design Management
  - Pipelines:

**Alliance Water – Phase 1B Infrastructure – Owner’s Representative**

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- Segment A
    - Continue coordination with Design Consultant for construction phase services.
  - Segment B
    - Continue coordination with Design Consultant for construction phase services.
  - Segment C
    - Continue coordination with Design Consultant for final design.
    - Continue coordination with Design Consultant regarding ongoing field work and pipeline alignment considerations.
  - Segment D
    - Continue coordination with Design Consultant during project procurement.
  - Segment E
    - Begin review of Segment E 100% Design submittal prepared by the Design Consultant.
    - Continue coordination with Design Consultant for final design.
- Raw Water Infrastructure:
  - Continue coordination with Design Consultant for construction phase services.
- Water Treatment Plant:
  - Continue coordination with Design Consultant concerning Hydraulics/Surge development.
  - Continue coordination with Design Consultant for construction phase services.
- Booster Pump Station:
  - Coordination with Design Consultant for construction phase services.
- Inline Elevated Storage Tanks:
  - Coordination with Design Consultant for final design development.
- Other:
  - Monthly progress meetings with all Design Consultants (pipelines, water treatment plant, raw water infrastructure, wellfield).
  - Review invoices, schedules, and risk logs for consultants.
- Task 13 – Electrical Power Planning
  - Continue coordination with GVEC regarding electric service to the WTP and wellfield.
- Task 14 – Permit Coordination/Tracking
  - Continue Permit coordination with Pipeline consultants
  - Coordinate with Hays County concerning the Site Development Permit.
  - General Coordination with TxDOT.

**Alliance Water – Phase 1B Infrastructure – Owner’s Representative**

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- Coordinate with Caldwell, Guadalupe, and Hays County TxDOT offices concerning roadway crossings.
- Continue General Coordination with GVEC, BBEC, and LCRA.
- On-going Permit Tracking Log Updates.
  
- Task 15 – Procurement and Construction Phase Services
  - Continued coordinated with Segment D Design Consultant during the procurement phase.
  - On-going coordination with the Construction Management & Inspection team.
  - On-going coordination with WTP, RWI, BPS, Segment A, and Segment B Design Consultants during the construction phase.
  
- Task 16 – Other Services
  - Finalize and submit the City of San Marcos Watershed Protection Plan for the Booster Pump Station Plat.
  
- Task 18 – Environmental Construction Services
  - Continue efforts to complete Migratory Bird nest surveys and associated memos for reporting.
  - Attend construction status meetings

**Scope Elements Added/Removed:**

None at this time.

**Outstanding Issues/Concerns:**

None at this time.

**REGULAR MEETING**  
**Alliance Regional Water Authority Technical Committee**

**COMMITTEE MEMBER PACKETS**

Wednesday, August 10th, 2022 at 3:00 P.M.

Conference Call Number: 1-346-248-7799; Meeting ID: 982 8616 3170; Code: 495028

- F.3** Possible recommendation to the Board to contingently award a construction contract for the Authority's Phase 1B Segment D Pipeline Project. ~ *Graham Moore, P.E., Executive Director*
- 

Background/Information

Alliance Water sought proposals for the Phase 1B Segment D Pipeline Project starting in June with proposals submitted on July 19, 2022. In accordance with the Authority's policies and Texas Water Development Board (TWDB) requirements, the project was advertised for two consecutive weeks in the Hays Free Press and in the Lockhart Post-Register.

The project includes approximately 18.75-miles of 42-inch pipeline and 1.0-mile of 36-inch pipeline and related appurtenances generally from the Maxwell Booster Pump Station to Geronimo, Texas. The bid was setup for additive alternates of pipe material (ductile iron, concrete steel cylinder and welded steel) in both 42-inch and 36-inch diameters as well as two alternatives for the crossing of the San Marcos River (microtunneling and direct pipe method).

Four proposals were received. The bidding documents utilized a Competitive Sealed Proposal (CSP) process whereby cost is considered but so too are the qualifications of the contractor to perform the work.

Attachment(s)

- Segment D Recommendation Presentation

**Technical Committee Decision Needed:**

- Possible recommendation to the Board to recommend contingently awarding the Segment D Pipeline Project to SJ Louis Construction with Alternative B (Steel Pipe) and Microtunneling of the San Marcos River.

# Alliance Regional Water Authority

## Segment D – Recommendation of Construction Award

August 10, 2022



1

### Meeting Agenda

#### Segment D Pipeline

- Summary of Proposals Received
- Alternative Bid Items
- Review Team Total Combined Score
- Recommendation



2

# Segment D Limits



# Segment D Pipeline Summary of Proposals Received

Proposal Price	Alt Description	Proposal Company			
		Garney	Harper Brothers	McKee	SJ Louis
Base Proposal		\$14,038,585.00	\$19,907,357.29	\$12,387,965.00	\$11,170,750.35
Alt A	Reinforced Concrete	50,732,560.00	\$48,778,81.42	No Bid	\$46,376,196.00
Alt B	Steel Pipe	\$31,673,862.24	\$34,127,618.00	\$35,022,245.00	\$31,736,242.00
Alt C	Ductile Iron	No Bid	No Bid	No Bid	No Bid
	Microtunnel San Marcos River	\$6,663,800.00	\$4,365,106.00	\$5,354,440.00	\$3,756,977.00
	Direct Pipe San Marcos River	\$11,660,606.23	\$4,863,050.00	No Bid	No Bid
	Recommended Option (Base + Alt B + Microtunnel)	\$52,376,247.24	\$58,400,081.29	\$52,764,650.00	\$46,663,969.35



## Criteria for Selection

- Proposal Price (40 Points)
- Quality Reputation, and Ability to Complete Similar Projects on Schedule and Within Budget (10 Points)
- Key Personnel (15 Points)
- Project Approach (15 Points)
- Schedule (10 Points)
- Safety Record (5 Points)
- Historically Underutilized Business (HUB) Program Compliance Plan (5 Points)



## Review Team Total Combined Score

Criteria	Garney	Harper Brothers	McKee	SJ Louis
Proposal Price (40 Points)	30.2	19.8	28.8	40.0
Quality, Reputation, and Ability to Complete Similar Projects on Schedule and Within Budget (10 Points)	9.4	7.2	7.8	8.2
Key Personnel (15 Points)	13.6	10.5	12.3	11.2
Project Approach (15 Points)	13.3	10.2	12.6	10.3
Schedule (10 Points)	9.0	7.4	7.8	7.6
Safety Record (5 Points)	3.8	3.6	4.0	4.6
Historically Underutilized Business (HUB) Program Compliance Plan (5 Points)	4.0	3.2	4.2	4.6
<b>Total (100 Points Possible)</b>	<b>83.3</b>	<b>61.9</b>	<b>77.5</b>	<b>86.5</b>



## ARWA-GBRA Segment D Cost Split

Proposal Item	Cost Split				
	SJ Louis	ARWA (%)	GBRA (%)	ARWA Cost	GBRA Cost
Base Bid + Microtunneling	\$14,927,727.35	76.6	23.4	\$11,434,639.15	\$3,493,088.20
Alt A – Concrete Steel Cylinder	\$46,376,196.00	76.6	23.4	\$35,524,166.14	\$10,852,029.86
Alt B – Welded Steel	\$31,736,242.00	76.6	23.4	\$24,309,961.37	\$7,426,280.63
Alt C – Ductile Iron	No Bid	76.6	23.4	---	---
<b>TOTAL (Base + Alt B)</b>	<b>\$46,663,969.35</b>			<b>\$35,744,600.52</b>	<b>\$10,919,368.83</b>

- ARWA Budget for Segment D Construction = \$36,685,000



## Recommendation

- It is the recommendation that **SJ Louis Construction** be selected as the General Contractor for the Alliance Regional Water Authority Segment D Project.
- Award Bid Alternative B for welded steel piping with microtunneling of the San Marcos River.





**REGULAR MEETING**  
**Alliance Regional Water Authority Technical Committee**

**COMMITTEE MEMBER PACKETS**

Wednesday, August 10th, 2022 at 3:00 P.M.

Conference Call Number: 1-346-248-7799; Meeting ID: 982 8616 3170; Code: 495028

- F.4** Possible recommendation to the Board to authorize a Work Order with Freese & Nichols, Inc. for construction administration services on the Authority's Phase 1B Segment D Pipeline Project. ~ *Graham Moore, P.E., Executive Director*
- 

Background/Information

Alliance Water entered into a Work Order in November 2019 with Freese & Nichols, Inc. (FNI) to provide final design engineering services for the Phase 1B Segment D Pipeline project. The final design is complete and the construction notice-to-proceed is expected to be issued in September. In order to maintain progress, Staff has negotiated a scope and fee with FNI to provide construction administration and construction engineering services for the Phase 1B Segment D Pipeline project.

Below are some of the key facts regarding the proposal:

Firm: Freese & Nichols, Inc.  
Fee: \$651,329 (50% ARWA)  
Work Order Type: Hourly, Not-to-Exceed  
Anticipated Duration: 22 months  
Project Manager: Anne Hoskins, P.E.

Staff is requesting that the Committee recommend Board approval of a Work Order with a fee for the basic services of \$504,872.00 and a fee for supplemental effort in an amount not-to-exceed \$146,456.00 for a total fee of \$651,329. The Executive Director will be given the discretion to authorize the supplemental effort if needed.

Attachment(s)

- July 22, 2021 – Segment D Pipeline Construction Phase Services.

**Technical Committee Decision Needed:**

- Possible recommendation to the Board to approve a work order with Freese & Nichols, Inc. for Construction Phase Services on the Phase 1B Segment D Pipeline Project.

July 22, 2022

Mr. Graham Moore, PE  
 Executive Director  
 Alliance Regional Water Authority  
 630 E. Hopkins  
 San Marcos, TX 78666

Sent Via: E-MAIL

Re: Alliance Regional Water Authority  
 Phase 1B, Segment D Pipeline  
 Construction Phase Services

Dear Mr. Moore:

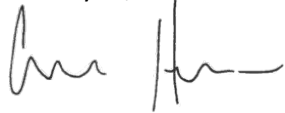
Freese and Nichols (FNI) is pleased to submit our proposal for Construction Phase Services for the Phase 1B, Segment D Pipeline. We understand this phase will be performed on a cost plus maximum (CPM) basis with an approximate 20-month duration per the current Program schedule. We propose to perform the Basic Services and the Supplemental Services described in the attached Scope in accordance with the below breakdown.

<b>TASK</b>	<b>FEE</b>
<b>1.0 Project Management</b>	<b>\$29,523</b>
<b>2.0 Regulatory Agency Coordination and Permits</b>	<b>\$13,022</b>
<b>3.0 Public Utility Coordination</b>	<b>\$10,399</b>
<b>4.0 Construction Site Visits and Progress Meetings</b>	<b>\$84,656</b>
<b>5.0 Construction Coordination</b>	<b>\$109,149</b>
<b>6.0 Shop Drawing / Submittal Review</b>	<b>\$64,170</b>
<b>7.0 Alternatives and Substitutions</b>	<b>\$16,893</b>
<b>8.0 Request for Information (RFI's)</b>	<b>\$22,116</b>
<b>9.0 Request for Proposals (RFPs) and Change Orders (COs)</b>	<b>\$35,721</b>
<b>10.0 Substantial/Final Completion Walk-Throughs</b>	<b>\$33,502</b>
<b>11.0 Record Drawings</b>	<b>\$25,380</b>
<b>12.0 Support of Segment B and E construction packages</b>	<b>\$30,185</b>
<b>13.0 Corrosion Investigation, Data Collection and Design Support</b>	<b>\$30,156</b>
<b>Subtotal Basic Services</b>	<b>\$504,872</b>

<b>14.0 Supplemental Services</b>	<b>\$146,456</b>
<b>Total Basic and Supplemental Services</b>	<b>\$651,329</b>

Please let us know if there are any questions or concerns on this proposal. We look forward to working with you on the construction of this important project.

Thank you,

A handwritten signature in black ink, appearing to read 'Anne Hoskins'.

Anne Hoskins, P.E.  
Principal  
Freese and Nichols, Inc.

**Alliance Regional Water Authority – Phase 1B Segment D  
Construction Phase Services**

1. Project Management
  - 1.1. Prepare Monthly Summary Reports/Invoicing as identified in the ARWA Phase 1B Program Management Plan (21 months)
  - 1.2. Meetings
    - 1.2.1. Quality Control Audit (1 workshop)
2. Regulatory Agency Coordination and Permits
  - 2.1. Texas Commission on Environmental Quality (one one-hour virtual meetings or phone conference and one in-person meeting)
  - 2.2. Texas Water Development Board (one one-hour virtual meeting or phone conference and one in-person meeting)
  - 2.3. Caldwell County (one one-hour virtual meeting or phone conference and one in-person meeting)
  - 2.4. Guadalupe County (one one-hour virtual meeting or phone conference and one in-person meeting)
  - 2.5. Texas Department of Transportation (TxDOT) (one one-hour virtual meeting or phone conference and one in-person meeting)
3. Public Utility Coordination
  - 3.1. Bluebonnet Electric Cooperative (one one-hour virtual meeting or phone conference and one in-person meeting)
  - 3.2. Crystal Clear SUD (one one-hour virtual meeting or phone conference and one in-person meeting)
  - 3.3. Enterprise Products (one one-hour virtual meeting or phone conference and one in-person meeting)
  - 3.4. Lower Colorado River Authority (LCRA) (one one-hour virtual meeting or phone conference and one in-person meeting)
4. Construction Site Visits and Progress Meetings
  - 4.1. Pre-Construction Meeting
    - 4.1.1. Attend a pre-construction meeting coordinated by the Construction Management and Inspection (CM&I) team.
  - 4.2. San Marcos River Crossing Pre-Construction Meeting
    - 4.2.1. Attend a pre-construction meeting coordinated by the CM&I team to discuss the construction plan and submittals for the San Marcos River crossing.
  - 4.3. Monthly Site Observation (20 months)
    - 4.3.1. Site observations will be limited to spot checking, selective measurement, and similar methods of general observation. Based on information obtained during site visits, Consultant will evaluate whether Contractor's work is generally proceeding in accordance with the Contract Documents, and Consultant will keep Client informed of the general progress of the work. Consultant is not required to make exhaustive or continuous inspections to check the quality or quantity of the Work. In this effort, Consultant will

endeavor to protect the Owner against defects and deficiencies in the work of Contractor and will report any observed deficiencies to CMI&I. Consultant's visits and observations are subject to the limitations on Consultant's authority and responsibility described in the General Conditions.

Consultant will not supervise, direct, or have control over Contractor's work, nor shall Consultant have authority to stop the Work or have responsibility for the means, methods, techniques, equipment choice and usage, schedules, or procedures of construction selected by Contractor, for safety programs incident to Contractor's work, or for any failure of Contractor to comply with any laws. Consultant does not guarantee the performance of any Contractor and has no responsibility for Contractor's failure to perform its work in accordance with the Contract Documents. Consultant is to inform the CM&I of issues or concerns and CM&I is to work with Contractor to address these issues or concerns.

- 4.3.2. Site observation reports will be prepared and provided to the CM&I team via the CM&I Electronic Document Management System (EDMS) within 48 hours of each site visit.
  - 4.3.3. Notify CM&I team of inconsistencies with observed work with respect to Contract Documents.
  - 4.3.4. Specialty Observations will be limited to spot checking, selective measure, and similar methods of general observations for observation of equipment requiring additional observations beyond the monthly observations.
  - 4.3.5. Specialty Observation reports will be prepared and provided to the CM&I team via the CM&I Electronic Document Management System (EDMS) within 48 hours of each site visit.
  - 4.3.6. Notify CM&I team of inconsistencies with observed work with respect to Contract Documents.
  - 4.4. Monthly Construction Progress Meetings (6 in-person and 14 virtual meetings or phone conferences)
    - 4.4.1. Attend Progress Meetings led by the CM&I team. Discuss status of document reviews, proposed contract modifications and any issues or concerns that need to be addressed to allow construction of the project to progress.
    - 4.4.2. Review Project Decision Register and Action Item Register prior to each meeting. Report discrepancies in the Project Decision Register to the CM&I team immediately. Update the status on Action Items at least 5 days before meetings.
    - 4.4.3. Review monthly Construction Activity Reports prepared by the CM&I team. Provide feedback on report content as appropriate.
  - 4.5. Pipeline Installation Prove-out Meeting/Site Visit
5. Construction Coordination
- 5.1. Regular coordination with Owner's Representative and CM&I group as required to facilitate administration of the project. (Assume 14 hours per month total for consultant team)
  - 5.2. Participate in project quality audits as necessary, and implementation of agreed corrective actions. Attend up to four (4) meetings related to quality issues during construction.
  - 5.3. Review monthly construction pay applications and make recommendations for payment (20 pay applications)
  - 5.4. Review monthly schedules to confirm compliance with Contract dates and key milestones (20 monthly schedules)

- 5.5. Review monthly as-builts provided by Contractor (20 monthly as-builts)
- 5.6. Utilize EDMS for upload/download of all construction-related documentation.
- 6. Shop Drawing/Submittal Review
  - 6.1. Review shop drawings/submittals for conformance with the project plans and specifications and provide responses within 10 working days (Assume up to 60 submittals). For the purposes of this scope, assume review effort will include the original submittal and first resubmittal. For purposes of this scope, assume 25 shop drawings, 5 record data, 20 certified test reports, and 2 O&M manuals.
  - 6.2. Attend one pre-submittal meeting for valves if needed to accelerate submittal preparation.
  - 6.3. Attend one pre-submittal meeting for pipe if needed to accelerate submittal preparation.
- 7. Alternatives and Substitutions
  - 7.1. Review alternatives and substitutions proposed by Contractor. Recommend acceptance or rejection of the request for substitutions. For the purposes of this scope, assume review of up to 10 alternatives/substitutions. Reviews will be completed within 10 working days.
- 8. Request for Information (RFIs)
  - 8.1. Review Contractor questions or concerns that may arise during construction and respond within 5 calendar days. For the purposes of this scope, assume 20 RFIs.
- 9. Request for Proposals (RFPs) and Change Orders (COs)
  - 9.1. Coordinate with CM&I to prepare a description of proposed Modifications. CM&I will issue the RFP form to Contractor through the EDMS.
  - 9.2. Coordinate with CM&I for review and response to RFP and provide recommendations to the Owner's Representative for consideration. Assume up to 10 RFPs.
  - 9.3. Review COs prepared by the CM&I team (assume up to 10 COs).
    - 9.3.1. Prepare final CO (over and unders) recapitulation of the Project in conjunction with the final pay request.
- 10. Substantial/Final Completion Walk-Throughs
  - 10.1. Consultant to conduct one (1) substantial completion walk-through/inspection, coordinated by the CM&I. After considering any objections from Owner's Representative, if the Consultant considers the work substantially complete, Consultant will submit a Substantial Completion punch list and letter to the Owner's Representative.
  - 10.2. Consultant to conduct one (1) final completion walk-through/inspection (coordinated by the CM&I) to determine if the completed work of Contractor is acceptable to both the Owner's Representative and Consultant so that Consultant may recommend, in writing, the final payment to the Contractor.
- 11. Record Drawings
  - 11.1. Consultant will prepare Contract Record Drawings using the marked up red lines drawings provided by the Contractor during construction. Record drawing information will be based solely on the provided red line drawings and appropriate field documentation received from the Consultant and the CM&I group during construction site visits. Items associated with this work include:
    - 11.1.1. Prepare final Change Order (over and under reconciliations) recapitulation of the Project in conjunction with the final pay request

- 11.1.2. Prepare Record Drawings of the constructed project based on change order revisions and as built information provided by the contractor.
  - 11.1.3. Provide the Owner's Representative:
    - 11.1.3.1. With one (1) set of Record Drawings in .pdf and .dwg electronic format.
    - 11.1.3.2. The DWG file with the reference state plan coordinate system for use by ARWA.
12. Support of Segment B and E construction packages
- 12.1. Attend additional meetings with ARWA, Segment B and E consultants, and Segment B contractor related to the updates needed for sheets related to Segment B and E scope transfer and the sheets remaining in Segment D that were also impacted.
  - 12.2. Perform revised design document production, and quality control to make the changes to the updates needed for the scope transfer sheets and the sheets remaining in Seg D that were also impacted.
  - 12.3. Perform coordination related to cathodic protection updates needed for the scope transfer sheets and the sheets remaining in Segment D that were also impacted.
  - 12.4. Revise quantities related to the updates needed for the scope transfer sheets and the sheets remaining in Segment D that were also impacted.
  - 12.5. Review submittals for Bid Packages B and E related to scope transfer sheets.
13. Corrosion Investigation, Data Collection and Design Support
- 13.1. Construction Phase Corrosion Services
    - 13.1.1. Attend a pre-commissioning site visit prior to testing
      - 13.1.1.1. Conduct an alignment walk-thru and develop punch list of deficient items
      - 13.1.1.2. Attend a site visit to approve Contractor's method of checking continuity and isolation along pipeline and check continuity testing performed by contractor (maximum 2 days of site visits)
    - 13.1.2. Commissioning/Testing
      - 13.1.2.1. Attend and witness testing performed by contractor
      - 13.1.2.2. Prepare Commissioning Report and develop post-commissioning punch list
14. Additional Services
- 14.1. Survey
    - 14.1.1. Verify/Reset horizontal and vertical control points for construction purposes
  - 14.2. General Construction Phase Services, which may include:
    - 14.2.1. Additional site visits (10 additional site visits).
    - 14.2.2. Additional submittal review (10 additional shop drawings and/or RFIs).
    - 14.2.3. Additional monthly progress meetings (10 additional monthly progress meetings).
    - 14.2.4. Providing services to review or evaluate Contractor claims that are not due to causes within the control of consultant.
    - 14.2.5. Assisting Owner in preparing for, or appearing at litigation, mediation, arbitration, dispute review boards, or other legal and/or administrative proceedings in the defense or prosecution of claims disputes with Contractor.
    - 14.2.6. Assisting Owner in the defense or prosecution of litigation in connection with or in addition to those services contemplated by this Agreement.
    - 14.2.7. Any services required as a result of default of the Contractor or the failure, for any reason, of the Contractor to complete the work within the Contract Time.

14.2.8. Observe the drilling of the boring to be drilled within the footprint of the Receiving Shaft to confirm findings by the Contractor.





Alliance Regional Water Authority Segment D Design														Project Fee Summary						
Freese and Nichols														Basic Services	\$ 504,872					
7/22/2022														Special Services	\$ 146,456					
Detailed Overall Consultant Cost Breakdown														Total Project	\$ 651,329					
14.2.7	Special	Services required as a result of default of the Contractor or failure to complete work within the contract time (placeholder cost due to insufficient detail)	20	40	20						80	\$ 15,943	\$ 680			\$ 680		\$ -	\$ 16,623	
14.2.8	Special	14.2.8. Observe receiving shaft boring										\$ -	\$ -			\$ -	2,544	\$ 2,544	\$ 2,544	
<b>Subtotal Supplemental Services</b>			<b>88</b>	<b>266</b>	<b>238</b>						<b>592</b>	<b>\$ 111,493</b>	<b>\$ 5,032</b>	<b>\$ 1,890</b>	<b>\$ 460</b>	<b>\$ 7,382</b>	<b>17,250</b>	<b>10,332</b>	<b>\$ 27,582</b>	<b>\$ 146,456</b>
<b>Total Effort (Basic Service + Supplemental Services)*</b>			<b>294</b>	<b>1,023</b>	<b>1,161</b>	<b>47</b>	<b>148</b>	<b>40</b>	<b>84</b>	<b>129</b>	<b>2,926</b>	<b>\$ 530,642</b>	<b>\$ 24,871</b>	<b>\$ 7,749</b>	<b>\$ 2,323</b>	<b>\$ 34,943</b>	<b>17,250</b>	<b>\$ 68,494</b>	<b>\$ 85,744</b>	<b>\$ 651,329</b>
*Total Effort for subconsultants include subconsultant markup																				
**Total for labor effort includes raises fro work projected after 2022																				
***Tech charge cells show hours, sum cells show total tech charges																				
****Total for meals includes expense markup																				

**REGULAR MEETING**  
**Alliance Regional Water Authority Technical Committee**

**COMMITTEE MEMBER PACKETS**

Wednesday, August 10th, 2022 at 3:00 P.M.

Conference Call Number: 1-346-248-7799; Meeting ID: 982 8616 3170; Code: 495028

- F.5** Update, discussion and possible recommendation to the Board regarding the addition of a new delivery point at the Authority's Phase 1B Segment C Pipeline as requested by the City of Kyle. ~ *Graham Moore, P.E., Executive Director*
- 

Background/Information

In July 2021 we informed the Technical Committee and Board of Directors of the request from the City of Kyle to add a second delivery point on the Segment C pipeline. Kyle has been working with a developer in the area and has progressed significantly enough in the negotiations that they wish to move forward with the agreement for the second delivery point.

As a reminder, Kyle has requested up to 1,610 gpm be made available at the second delivery point. Based on this information, a hydraulic analysis was performed and confirmed that the additional delivery point will not affect the sizing of any portions of the Authority's Phase 1B system, provided that delivery is taken at or below the HGL in the pipeline segment adjacent to CR 158.

Staff is proposing to utilize the same agreement for a new delivery point that was utilized with the Maxwell SUD delivery point as requested by CRWA. In the case of Kyle's delivery point – the agreement states that Kyle will build, or will have it built. Alliance Water is responsible for providing the design documents for the delivery point.

Attachment(s):

- Draft Agreement for Addition of Delivery Point Between ARWA and the City of Kyle

**Technical Committee Decisions Needed:**

- Possible recommendation to the Board to approve the agreement with the City of Kyle for the approval of a second delivery point for the City of Kyle.



**AGREEMENT FOR ADDITION OF DELIVERY POINT  
BETWEEN  
ALLIANCE REGIONAL WATER AUTHORITY  
AND THE  
CITY OF KYLE**

This Agreement for the Addition of a Delivery Point (the “Agreement”) is made and entered into by and between Alliance Regional Water Authority (“ARWA”) a Texas conservation and reclamation district organized and operating under Article 16, Section 59 of the Texas Constitution and its enabling legislation and the City of Kyle (“Kyle”) a municipality and political subdivision of the State of Texas. ARWA and Kyle are cumulatively the “Parties” and, individually “Party” depending upon the context. The Effective Date of this Agreement is                     , 2022.

**RECITALS**

WHEREAS, ARWA is developing a Carrizo-Wilcox Aquifer water supply project (the “Project”) for the public purpose of supplying wholesale water to its Sponsors, including Kyle, pursuant to ARWA’s enabling act, Chapter 11010 of the Texas Special District Local Laws Code;

WHEREAS, Kyle desires for ARWA to add a delivery point that would enable Kyle to supply water from the Project (“Delivery Point”) to a new location within the Kyle water system;

WHEREAS, the Parties desire to work together to facilitate the design and construction of the Delivery Point and have determined that it would be in the best interest of each Party to enter into this Agreement.

NOW, THEREFORE, ARWA and Kyle hereby agree as follows:

**ARTICLE I  
DEFINITIONS**

1.1 “Location” means the +/-1.06-acres located on County Road 158 approximately 2,100-ft southeast of Cool Springs Blvd.

+/- 29°57'5.23"N 97°51'8.13"W

1.2 “Completion Date” means June 30, 2024. The parties will coordinate to create a design and construction timeline with milestones for completion by the Completion Date.

1.3 For purposes of this Agreement, when not inconsistent with the context, words used in the present tense include the future tense, words in the plural include the singular, and words in the singular include the plural. The words “shall” and “will” are mandatory and the word “may”

is permissive. Words not defined in this Agreement shall be given their common and ordinary meaning.

## **ARTICLE II ADDITION OF DELIVERY POINT**

**2.1 Specific Location and Engineering Design.** ARWA is responsible for determining the specific site of the Delivery Point at the Location and the engineering design of the Delivery Point with input from Kyle. Kyle will provide ARWA with specifications, recommendations, and other information as needed to complete the engineering design of the Delivery Point. ARWA will provide all plans and engineering designs to Kyle for approval. Kyle will provide such approval in writing.

**2.2 Costs for Engineering Design.** Kyle is responsible for all costs related to the engineering design of the Delivery Point. ARWA will pay all costs associated with the engineering design of the Delivery Point and invoice Kyle once the design is complete and approved by Kyle. Kyle will make full payment to ARWA for any and all costs incurred in relation to the engineering design prior to construction of the Delivery Point.

**2.3 Bids.** All components of the engineering design and construction of the Delivery Point will be bid out in accordance with applicable law.

**2.4 Construction of the Delivery Point.** Kyle is responsible for constructing the infrastructure for the Delivery Point at the Location in accordance with the engineering design provided by ARWA. Likewise, Kyle is responsible for payment of any and all costs incurred in relation to the construction of the Delivery Point as set forth in the construction contract.

**2.5 Limitation of Terms.** The terms of this agreement are limited to the design and construction of the delivery point. ARWA retains full responsibility for the construction and design of all necessary infrastructure to provide water to the delivery point. Kyle retains full responsibility for the construction and design of any necessary infrastructure to receive and distribute water from the delivery point.

**2.6 Completion.** The Parties agree to meet their respective obligations to complete the engineering design and construction of the Delivery Point by the Completion Date. The parties will coordinate and attend a monthly meeting, or exchange detailed project updates, to discuss the progress of the design and construction of the Delivery Point. Any party that has reason to believe a delay has occurred, or will occur, that will cause the design or construction of the Delivery Point to fail to meet the Completion Date or any identified milestones, must promptly provide written notice to the other party.

## **ARTICLE III**

## GENERAL PROVISIONS

3.1 **Recitals.** The Parties agree that the recitals are correct and incorporated into the agreements of the Parties.

3.2 **Amendments.** The terms and conditions of this Agreement may not be modified except by the mutual consent of both Parties in writing and with the approval of the respective Boards of Directors of each Party.

3.3 **Term.** This Agreement will remain in effect from the Effective Date until the Completion Date.

3.4 **Performance.** If a Party has a concern about the adequacy of the other Party's performance under this Agreement, the concerned Party will notify the other party in writing by email and by direct communication by telephone using the following contact information:

ARWA: Graham M. Moore, P.E., Executive Director  
gmoore@alliancewater.org  
512.294.3214

KYLE: Scott Sellers, City Manager  
ssellers@cityofkyle.com  
512.262.3923

3.5 **Force Majeure.** The Parties recognize the possibility of Force Majeure events and agree to collaboratively work around Force Majeure events that arise to expedite the performance of all obligations required under this Agreement. Force Majeure events include acts of God, sabotage, civil disturbances, epidemics, pandemics, acts of domestic or foreign terrorism, lightning, fires, storms, floods, or any other unforeseen events out of the control of either party. With respect to the COVID-19 pandemic, the Parties have become aware of the effects of this pandemic on the water utility industry and will be proactive in selecting bidders and undertaking other actions to meet the obligations of this Agreement by the Completion Date.

3.6 **Execution in Counterparts.** This Agreement may be executed in multiple identical counterparts, each of which shall be deemed an original for all purposes.

3.7 **Entire Agreement.** This Agreement contains the entire agreement of the Parties and supersedes any and all prior agreements, arrangements, or understandings between the Parties related to the subject matter. No oral understandings, statements, promises, or inducements contrary to the terms of this Agreement exist. This Agreement cannot be changed, modified, or terminated orally. No verbal agreement or conversation with any officer, agent, or employee of either Party, either before or after the execution of this Agreement, shall modify or affect any terms or obligations hereunder.

3.8 **Third-party Beneficiaries.** Although the Parties recognize that possibly one or more developers may contribute to the costs and/or may enter one or more contracts separately with one or more of the Parties, there are no third-party beneficiaries to this Agreement.

3.9 **Breach and Opportunity to Cure.** Prior to any claim for breach of this agreement being made, the party claiming breach must provide written notice of the alleged breach to the purportedly breaching party. The party accused of breach shall then have thirty (30) days to cure the alleged breach.

3.10 **Mediation.** In the event a dispute shall arise between the parties to this agreement, the parties agree to participate in at least four hours of mediation with an agreed mediator. The parties agree to share equally in the costs of the mediation.

3.11 **Authority.** The Board of Directors of ARWA and the Kyle City Council has approved this Agreement and authorized the person signing this Agreement to act on behalf of each Party.

SIGNED THIS \_\_\_\_ DAY OF \_\_\_\_\_, 2022.

ALLIANCE REGIONAL WATER AUTHORITY

CITY OF KYLE

by: \_\_\_\_\_  
Graham M. Moore, P.E., Executive Director

by: \_\_\_\_\_  
Scott Sellers, City Manager

**REGULAR MEETING**  
**Alliance Regional Water Authority Technical Committee**

**COMMITTEE MEMBER PACKETS**

Wednesday, August 10th, 2022 at 3:00 P.M.

Conference Call Number: 1-346-248-7799; Meeting ID: 982 8616 3170; Code: 495028

- F.6** Update, discussion and possible direction to Staff regarding the Authority's request to the Texas Water Development Board for additional SWIFT Funding. ~ *Graham Moore, P.E., Executive Director*
- 

Background/Information

The Authority's request for additional funding was approved by the Texas Water Development Board in late July. Staff is working with bond counsel on the detailed schedule for all approvals of the debt issuance that will be needed by the ARWA Board, city councils, CRWA Board and the SUD Boards – all of which will need to occur in October.

The Finance Agreement with the TWDB will be presented to the Board in August for approval.

**Technical Committee Decisions Needed:**

- Possible Direction to Staff.



**REGULAR MEETING**  
**Alliance Regional Water Authority Technical Committee**

**COMMITTEE MEMBER PACKETS**

Wednesday, August 10th, 2022 at 3:00 P.M.

Conference Call Number: 1-346-248-7799; Meeting ID: 982 8616 3170; Code: 495028

- F.7** Update on status of groundwater management in project target area, and Gonzales County Underground Water Conservation District, Plum Creek Conservation District, Groundwater Management Area 13, Region L Planning Group, Guadalupe-Blanco River Authority, Hays County and CAPCOG activities.  
~ *Graham Moore, P.E., Executive Director*
- 

Gonzales County Underground Water Conservation District (GCUWCD)

The GCUWCD is scheduled to meet on August 9th.

Plum Creek Conservation District (PCCD)

The PCCD is scheduled to meet on August 16th.

Groundwater Management Area 13

GMA-13 is in the process of adopting the current round of DFCs. Each groundwater district is scheduling public hearings on the DFCs.

Region L Planning Group

Region L met on August 4th. 2023 will include the release of the water demand projections by user and then water projects will start being identified, until then the work is less strenuous.

Guadalupe-Blanco River Authority; Hays County Activities; CAPCOG Activities

No update.

**Technical Committee decision needed:**

- None.

**REGULAR MEETING**  
**Alliance Regional Water Authority Technical Committee**

**COMMITTEE MEMBER PACKETS**

Wednesday, August 10th, 2022 at 3:00 P.M.

Conference Call Number: 1-346-248-7799; Meeting ID: 982 8616 3170; Code: 495028

- G. EXECUTIVE DIRECTOR REPORT** - Update on future meeting dates, locations, consultant invoices paid, approved changed orders, status of Authority procurements, Executive Director activities and other operational activities where no action is required. ~ *Graham Moore, P.E., Executive Director*

Construction Management & Inspection

- A total of five invoices have been submitted for Work Order #6 with Pape-Dawson to date. The total amount spent represents 29% of the contract whereas 45% of the time has elapsed. The percent of time spent on project management and by senior staff is remaining consistent, with more time being spent by field representatives, especially as four construction projects are at full pace. There are currently no concerns regarding the ability to complete within the contract.

Consultant Invoices Paid

- Below are reports on the consultant invoices paid in July.

**FY 21-22 CONSULTANT INVOICES PAID IN JULY 2022**

<b>Consultant</b>	<b>Total Authorized</b>	<b>Current Invoice</b>	<b>Invoiced-to-Date</b>	<b>% of Contract Invoiced</b>	<b>Remaining</b>	<b>Notes/Anomalies</b>
RW Harden	\$30,000.00	\$0.00	\$9,066.33	30%	\$20,933.67	
Kent Alan Sick - ROW Legal	\$30,000.00	\$0.00	\$0.00	0%	\$30,000.00	
LNV - GIS Svcs	\$1,590.88	\$0.00	\$0.00	0%	\$1,590.88	
Armstrong, Vaughan & Associates, P.C.	\$10,930.00	\$0.00	\$10,930.00	100%	\$0.00	
J.R. Tolles & Associates, Inc.	\$255,000.00	\$0.00	\$149,654.40	59%	\$105,345.60	
Lloyd Gosselink Rochelle & Townsend	\$125,000.00	\$18,547.10	\$80,765.08	65%	\$44,234.92	
CD&P - Public Relations	\$50,000.00	\$0.00	\$27,588.11	55%	\$22,411.89	
Law Offices of Patricia Erlinger Carls	\$22,284.70	\$0.00	\$0.00	0%	\$22,284.70	
Schlueter Group of Texas, LLC	\$45,000.00	\$5,000.00	\$35,000.00	78%	\$10,000.00	
Texas Land & Right of Way Company, LLC	\$35,000.00	\$16,534.96	\$25,424.96	73%	\$9,575.04	
<b>Total</b>	<b>\$604,805.58</b>	<b>\$40,082.06</b>	<b>\$338,428.88</b>		<b>\$266,376.70</b>	

- On the following page is the report on the Phase 1B invoices paid in July.

**REGULAR MEETING**  
**Alliance Regional Water Authority Technical Committee**

**COMMITTEE MEMBER PACKETS**

Wednesday, August 10th, 2022 at 3:00 P.M.

Conference Call Number: 1-346-248-7799; Meeting ID: 982 8616 3170; Code: 495028

**PHASE 1B FY 20-21 CONSULTANT INVOICES PAID IN JULY 2022**

Consultant	Total Authorized	Current Invoice	Invoiced-to-Date	% of Contract Invoiced	Remaining	Notes/ Anomalies
Kimley-Horn Ph 1B Owner's Rep WO5	\$1,211,382.72	\$0.00	\$902,176.05	74%	\$309,206.67	
Kimley-Horn Ph 1B Owner's Rep WO5	\$1,989,091.00	\$175,820.79	\$417,584.42	21%	\$1,571,506.58	
Blanton - Environmental	\$1,184,938.15	\$0.00	\$363,589.04	31%	\$821,349.11	
LAN - Segment A	\$37,197.04	\$0.00	\$37,182.42	100%	\$14.62	
LAN - Segment A Construction	\$805,957.91	\$16,247.54	\$88,553.66	15%	\$517,404.25	
KFA - Segment B	\$89,769.42	\$0.00	\$66,133.15	74%	\$23,636.27	
KFA - Segment B Construction	\$471,544.00	\$25,066.69	\$25,066.69	5%	\$446,477.31	
BGE - Segment C Prelim	\$15,099.24	\$0.00	\$0.00	0%	\$15,099.24	
BGE - Segment C	\$147,053.89	\$0.00	\$33,239.38	23%	\$113,814.51	
FNI - Segment D Prelim	\$61,533.66	\$0.00	\$0.00	0%	\$61,533.66	
FNI - Segment D Final	\$307,435.65	\$37,011.13	\$180,913.36	59%	\$126,522.29	
Walker - Segment E Prelim	\$38,153.24	\$0.00	\$0.00	0%	\$38,153.24	
Walker - Segment E Final	\$326,815.35	\$24,706.86	\$127,293.08	39%	\$199,522.29	
LAN - ROW	\$741,441.42	\$0.00	\$165,740.46	22%	\$575,700.96	
DTR&G	\$2,000,000.00	\$152,329.87	\$1,077,321.97	54%	\$922,678.03	
CBRE - Appraisals	\$943,090.00	\$73,220.00	\$422,140.00	45%	\$520,950.00	
CP&Y - Survey	\$357,734.00	\$0.00	\$130,063.00	36%	\$227,671.00	
RW Harden - WDH Const Admin	\$12,470.00	\$0.00	\$12,470.00	100%	\$0.00	
LNV - RWI	\$113,027.50	\$0.00	\$5,370.00	5%	\$107,657.50	
FNI - BPS Final	\$267,620.10	\$0.00	\$56,675.37	21%	\$210,944.73	
Plummer - Inline Elevated Tank Prelim	\$3,730.07	\$0.00	\$0.00	0%	\$3,730.07	
Plummer - Inline Elevated Tank Final	\$290,663.43	\$0.00	\$26,950.76	9%	\$263,712.67	
Pape-Dawson - CM&I WO#5	\$1,501,376.61	\$0.00	\$935,095.71	62%	\$566,280.90	
Pape-Dawson - CM&I WO#6	\$5,601,900.00	\$333,496.73	\$1,237,108.90	22%	\$4,364,791.10	
Hicks & Co - WDH Environmental	\$15,571.00	\$0.00	\$0.00	0%	\$15,571.00	
Walker Partners - WTP CA Svcs	\$1,253,702.22	\$47,820.32	\$396,642.42	32%	\$857,059.80	
LNV/Ardurura - RWI CA Svcs	\$340,160.00	\$0.00	\$14,704.50	4%	\$325,455.50	
FNI - BPS CA Svcs	\$527,630.50	\$26,268.13	\$112,823.59	21%	\$414,806.91	
CP&Y - SCADA Programming Svcs	\$821,470.94	\$0.00	\$226,921.50	28%	\$594,549.44	
HVJ - Materials Testing (WTP)	\$473,148.75	\$13,004.25	\$85,468.25	18%	\$387,680.50	
HVJ - Materials Testing (BPS)	\$131,259.00	\$7,611.25	\$40,212.25	31%	\$91,046.75	
HVJ - Materials Testing (Segment A)	\$730,665.00	\$6,470.50	\$0.00	0%	\$730,665.00	
<b>Total</b>	<b>\$22,612,631.81</b>	<b>\$939,074.06</b>	<b>\$7,187,439.91</b>	<b>32%</b>	<b>\$15,425,191.90</b>	

**REGULAR MEETING**  
**Alliance Regional Water Authority Technical Committee**

**COMMITTEE MEMBER PACKETS**

Wednesday, August 10th, 2022 at 3:00 P.M.

Conference Call Number: 1-346-248-7799; Meeting ID: 982 8616 3170; Code: 495028

Approved Change Orders

- Below are the Consultant changes that were issued in July 2022.

<b>CHANGE ORDERS APPROVED IN JULY 2022</b>				
<b>Consultant</b>	<b>Original Authorization</b>	<b>Change Orders to Date</b>	<b>Change Order Approved this Month</b>	<b>New Total Contract Amount</b>
Freese & Nichols: 1B BPS & DP Prelim	\$ 771,617.00	\$ 44,408.00	\$ -	\$ 816,025.00
CP&Y: Ph 1B Program Survey	\$ 3,375,780.00	\$ 83,500.00	\$ -	\$ 3,459,280.00
Freese & Nichols: 1B Segment D (Final)	\$ 1,999,464.00	\$ 418,373.96		\$ 2,417,837.96
LAN: 1B Segment A Final Design	\$ 1,903,077.00	\$ 262,949.00	\$ -	\$ 2,166,026.00
Blanton & Assoc: Environmental Invest.	\$ 1,398,775.00	\$ 150,703.00	\$ -	\$ 1,549,478.00
K Friese & Assoc: 1B Seg B Final Design	\$ 1,830,994.00	\$ 306,242.13	\$ -	\$ 2,063,949.13
LAN: 1A Seg B Const Admin	\$ 108,860.01	\$ 6,204.04	\$ -	\$ 115,064.05
LNV: 1B Raw Water (Design)	\$ 1,418,700.00	\$ 85,337.00	\$ -	\$ 1,504,037.00
Walker Partners: 1B Seg E (Final)	\$ 1,190,421.00	\$ 163,128.00	\$ -	\$ 1,353,549.00
BGE: 1B Segment C Final	\$ 2,688,310.00	\$ 652,306.00	\$ 372,285.00	\$ 3,340,616.00
Freese & Nichols: 1B BPS & DP Final	\$ 1,580,519.00	\$ 163,657.00	\$ -	\$ 1,744,176.00
Pape Dawson: CMI	\$ 57,520.00	\$ 43,080.00	\$ -	\$ 100,600.00
Walker Partners: WTP (CA Svcs)	\$ 1,638,207.00	\$ 164,682.00	\$ -	\$ 1,802,889.00
Freese & Nichols: 1B BPS & DP (CA Svcs)	\$ 497,224.00	\$ 32,896.00	\$ -	\$ 530,120.00
Freese & Nichols: 1B BPS & DP (CA Svcs)	\$ 486,610.00	\$ 25,000.00	\$ -	\$ 511,610.00

- No change orders were approved for construction contracts in July.

**REGULAR MEETING**  
**Alliance Regional Water Authority Technical Committee**

**COMMITTEE MEMBER PACKETS**

Wednesday, August 10th, 2022 at 3:00 P.M.

Conference Call Number: 1-346-248-7799; Meeting ID: 982 8616 3170; Code: 495028

- H.** COMMITTEE MEMBER ITEMS OR FUTURE AGENDA ITEMS – Possible acknowledgement by Committee Members of future area events and/or requests for item(s) to be placed on a future agenda where no action is required.
- 

Background/Information

The Committee Members have an opportunity to make announcements or to request that items be added to future Board or Committee agendas.



**REGULAR MEETING**  
**Alliance Regional Water Authority Technical Committee**

**COMMITTEE MEMBER PACKETS**

Wednesday, August 10th, 2022 at 3:00 P.M.

Conference Call Number: 1-346-248-7799; Meeting ID: 982 8616 3170; Code: 495028

- I.1 *Executive Session pursuant to the Government Code, Section 551.071 (Consultation with Attorney) and/or Section 551.072 (Real Property Deliberations) regarding:*
- A. *Water supply partnership options*
  - B. *Groundwater leases*
  - C. *Permit Applications filed at the Gonzales County Underground Water Conservation District*
  - D. *Acquisition of real property for water supply project purposes*
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**REGULAR MEETING**  
**Alliance Regional Water Authority Technical Committee**

**COMMITTEE MEMBER PACKETS**

Wednesday, August 10th, 2022 at 3:00 P.M.

Conference Call Number: 1-346-248-7799; Meeting ID: 982 8616 3170; Code: 495028

**I.2** Action from Executive Session on the following matters:

- A. *Water supply partnership options*
  - B. *Groundwater leases*
  - C. *Permit Applications filed at the Gonzales County Underground Water Conservation District*
  - D. *Acquisition of real property for water supply project purposes*
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**J. ADJOURNMENT**

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