

**Alliance Regional Water Authority  
Technical Committee**

**REGULAR MEETING**



**COMMITTEE MEMBER PACKETS**

Wednesday, February 8th, 2023 at 3:00 P.M.

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

Meeting ID: 896 9982 2817

Passcode: 257788

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

**COMMITTEE MEMBER PACKETS**

Wednesday, February 8th, 2023 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, February 8<sup>th</sup>, 2023. 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: 896 9982 2817

Passcode: 257788

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 February 8, 2023. 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 December 14, 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. ~ *Toby Flinn, 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 South Elevated Inline Storage Tank Project. ~ *Graham Moore, P.E., Executive Director*
- F.4 Possible recommendation to the Board to authorize a Work Order with HVJ South Central Texas – M&J, Inc. for material testing on the Segment E Pipeline project. ~ *Graham Moore, P.E., Executive Director*
- F.5 Discussion and possible recommendation to the Board to approve a work order with Kimley-Horn & Associates, Inc. for Owner's Representative Services for March 2023 through February 2024 for the Authority's Phase 1B Program. ~ *Graham Moore, P.E., Executive Director*
- F.6 Update, discussion and possible direction to Staff regarding updated water projections from the Authority's Sponsors. ~ *Graham Moore, P.E., Executive Director*
- F.7 Discussion of legislative issues for the 88<sup>th</sup> Texas Legislature and possible direction to Staff. ~ *Graham Moore, P.E., Executive Director*
- 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. ~ *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:*

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- A. *Water supply partnership options*
- B. *Groundwater leases*
- C. *Acquisition of real property for water supply project purposes*
- D. *Operation and Maintenance Agreement of Carrizo Regional Water Supply*

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*
- D. *Operation and Maintenance Agreement of Carrizo Regional Water Supply*

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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<u>NAME</u>	<u>PRESENT</u>
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Blake Neffendorf

Derrick Turley

Paul Kite

Humberto Ramos

Tim Samford

Regina Franke

<u>NON-VOTING MEMBERS</u>	<u>PRESENT</u>
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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 December 14, 2022. ~ *Graham Moore, P.E., Executive Director*

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Attachment(s)

- 2022 12 14 Technical Committee Meeting Minutes

**Technical Committee decision needed:**

- Approval of minutes.



## ALLIANCE WATER

### Alliance Regional Water Authority

### TECHNICAL COMMITTEE MEETING

### MINUTES

**Wednesday, December 14, 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, December 14, 2022 by telephonic conference call.

A. CALL TO ORDER.

**The Alliance Water Technical Committee Meeting was called to order at 3:02 p.m. by Mr. Neffendorf.**

B. ROLL CALL.

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

C. PUBLIC COMMENT PERIOD

- **None.**

D. CONSENT AGENDA

D.1 Consider approval of minutes of the Regular Technical Committee Meeting held October 12, 2022.

- **Motion to adopt the minutes as presented was made by Mr. Ramos, seconded by Mr. Kite and approved on a 4-0 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. Flinn with Pape-Dawson provided an update on the Phase 1B construction.**
  - **Mr. Ramos requested an update in the future on the Maxwell and Kyle delivery points.**
  - **No Action.**
- F.2 Update, discussion and possible direction to Staff regarding the Authority's Phase 1B program.
- **Mr. Sowa with Kimley-Horn provided an update on the Phase 1B program.**
  - **Mr. Neffendorf asked the size of the south inline tank.**
  - **Mr. Sowa responded that it is 1 million gallons of storage.**
  - **No Action.**
- F.3 Possible recommendation to the Board to contingently award a construction contract for the Authority's Phase 1B Segment E Pipeline Project.
- **Mr. Ramos recommended the Board approve an agreement with Garney Construction with Alternates B and E, seconded by Mr. Neffendorf and approved on a 4-0 vote.**
- F.4 Possible recommendation to the Board to authorize a Work Order with Walker Partners, LLC for construction administration services on the Authority's Phase 1B Segment E Pipeline Project.
- **Motion to recommend the Board approve a Work Order with Walker Partners, LLC for construction administration services on the Segment E pipeline was made by Mr. Neffendorf, seconded by Mr. Ramos and approved 4-0.**
- F.5 Possible recommendation to the Board to authorize a Work Order with Pape-Dawson Engineers, Inc. for Construction Management and Inspection Services on the Authority's Phase 1B program.
- **Mr. Ramos inquired if Pape-Dawson is being reviewed as a consultant.**
  - **Mr. Moore noted that he meets with them every other week to discuss all aspects of the program, so he felt a formal review was not necessary.**
  - **Motion to recommend the Board approve a Work Order with Pape-Dawson Engineers, Inc. for construction management services for 2023 was made by Mr. Ramos, seconded by Mr. Neffendorf and approved 4-0.**

- F.6 Update, discussion and possible direction to Staff regarding the Corrosion Report process and submittals to the Texas Commission on Environmental Quality.
- **Ms. Vergara with CP&Y attended the meeting and provided an update on the status of the TCEQ approvals and submittals regarding the Corrosion Report.**
  - **No Action.**
- F.7 Update, discussion and possible direction to Staff regarding updated water projections from the Authority's Sponsors.
- **Mr. Moore presented the current projections and noted that confidence in the accuracy of the projections is extremely low.**
  - **Mr. Ramos inquired as to the impact of the Phase 1C and 1D and ultimately Phase 2 on the three special utility districts and their surplus / needs.**
  - **Mr. Neffendorf noted that water sharing is key.**
  - **No Action.**
- 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

- **No Action.**

#### H. COMMITTEE MEMBER ITEMS OR FUTURE AGENDA ITEMS

- **None.**

#### 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
  - B. Groundwater leases
  - C. 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. Acquisition of real property for water supply project purposes
    - **No Action.**

J. ADJOURNMENT

- **Meeting was adjourned at 4:22 p.m. based on the motion by Mr. Ramos, seconded by Mr. Turley and approved on a 4-0 vote.**

**APPROVED:** \_\_\_\_\_, 2023

\_\_\_\_\_

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

Background/Information

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

Attachment(s)

- Phase 1B Construction Update – February 1, 2023

**Technical Committee Decisions Needed:**

- None.



# PHASE 1B CONSTRUCTION UPDATE

CMI Progress

February 1, 2023

Water Resources | Transportation | Land Development | Surveying | Environmental



## PROGRAM CONTRACT VALUES



PROJECT	CURRENT CONTRACT VALUE	BILLED TO DATE	REMAINING	% COMPLETE
WTP/RWI	\$ 55,002,687.00	\$34,722,116.16	\$20,280,570.84	63.13%
BPS	\$19,726,758.71	\$12,695,030.40	\$7,031,728.31	64.35%
Seg A	\$49,471,384.71	\$38,557,323.43	\$10,914,061.28	77.94%
Seg B	\$41,897,809.16	\$25,266,221.69	\$16,631,587.47	60.30%
Seg D	\$46,663,969.35	\$166,693.75	\$46,497,275.60	0.36%
Seg E	\$27,277,770.46	\$0.00	\$27,277,770.46	0.00%





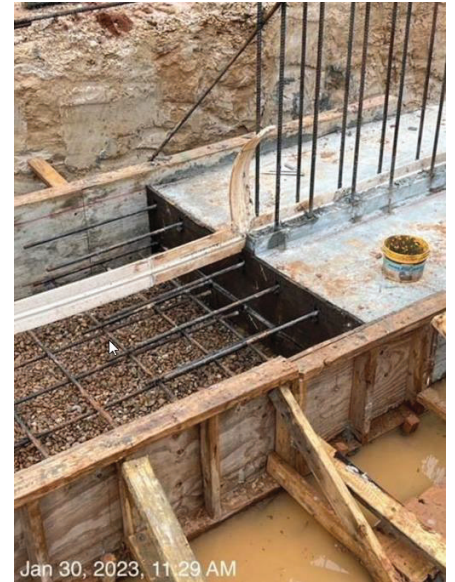
# WTP/RWI - PROGRESS PHOTOS



WTP – Compacting Retaining Wall Subgrade



WTP – Retainer Wall Rebar

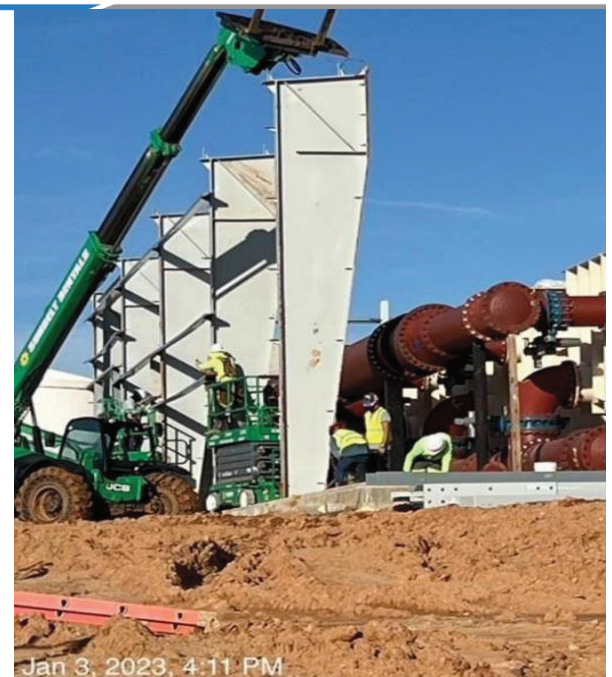


WTP – Retainer Wall Installation of Expansion Joint Fiber Board

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

## Next Month - Projected Construction Activities

- Continue 48" PW-A installation.
- Continue installation of the filter units process piping.
- Continue electrical ductbank and underground conduit installation.
- Continue 24" Backwash Supply line installation.
- Continue bypass vault construction and piping at HSPS
- Continue PMB structural steel erection at the Filter Complex

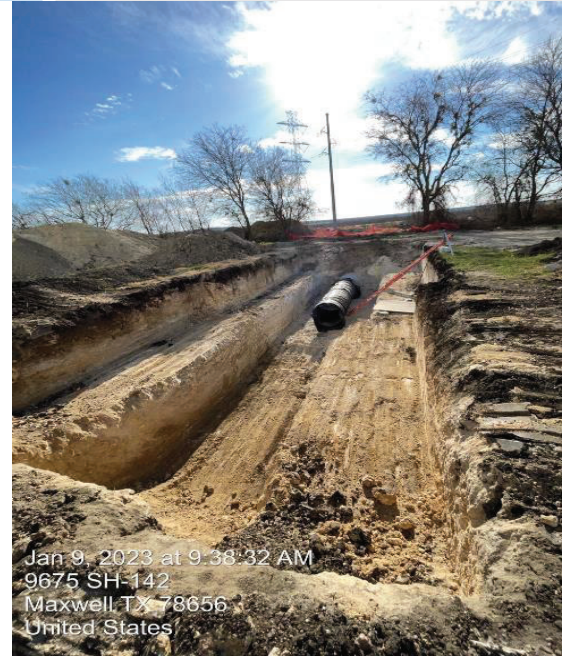


WTP – Filter Complex Grid Line 9 Settings Structural Steel

# Booster Pump Station (MWH / Freese and Nichols)

## Construction Status

- Completed 42" DIP segment D installation.
- Completed Segment B, C & D rework.
- Preliminary pressure testing of steel suction header piping.
- Set segment C & D steel discharge header.
- Begin CLSM backfill of pump suction header piping
- Continue electrical ductbank installation.
- Continued SM#1 mechanical piping installation



BPS – Excavation for Seg B, STA 0+69

## BPS- PROGRESS PHOTOS



BPS – Seg D Formwork Removal for  
Concrete Encasement



BPS – Seg D Formwork for Flowable Fill  
Discharge Header



BPS – Stripping Forms for Seg D  
Discharge Header Flowable Fill  
Encasement

# Booster Pump Station (MWH / Freese and Nichols)

## Next Month - Projected Construction Activities

- Continued Segments B, C and D rework
- Continue construction of the SM#1 delivery point mechanical pad
- Test pump suction header piping and backfill
- Continue segments B, C and D piping at the pump station
- Set segment C & D steel discharge header.

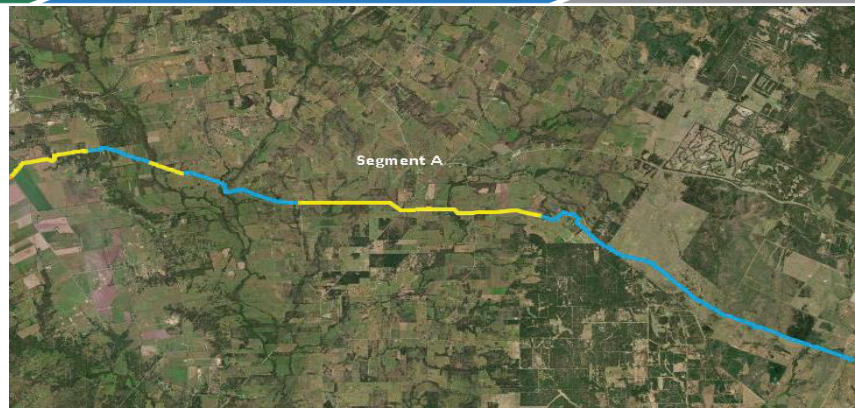


BPS – Rebar Installation for Thrust Block at San Marcos

# Segment A (Garney Construction / LAN)

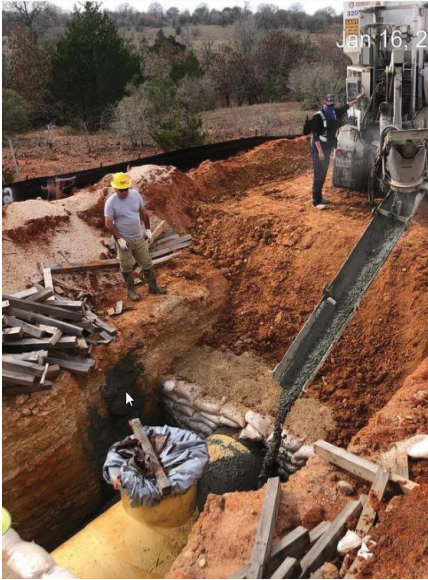
## Construction Status

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

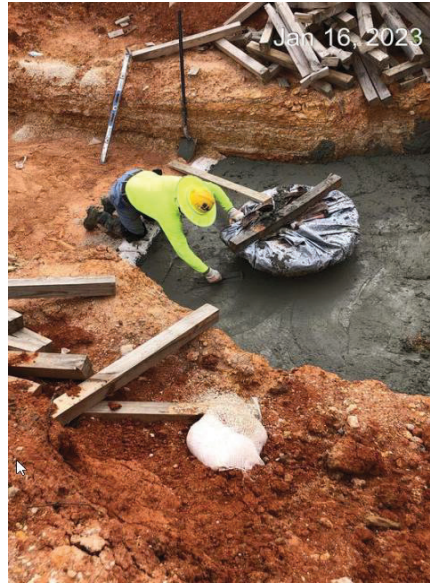


Activity	Status
ROW Cleared	100%
Pipe Delivered	100%
Tunnels Completed	100%(15 of 15)
Pipe Installed	60%
Major Crossing (Plum Creek)	Continue installation of launch shaft on West side of Plum Creek

# SEGMENT A - PROGRESS PHOTOS



Seg A – Concrete Pour



Seg A – Precast Base Concrete Pour



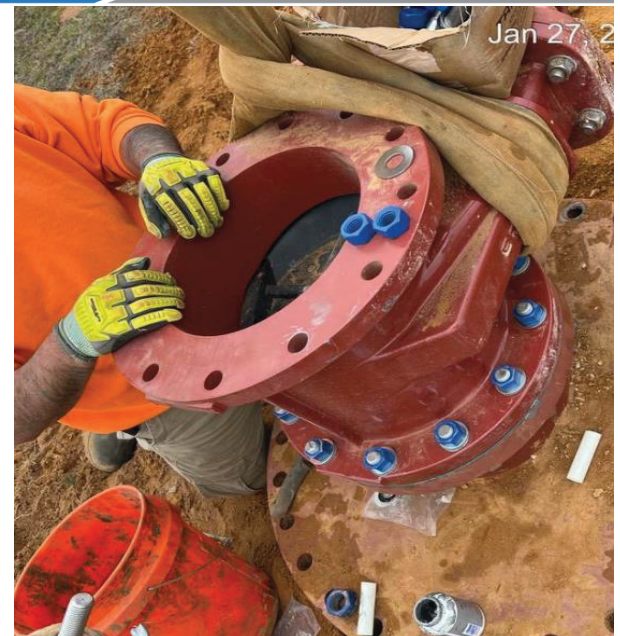
Seg A – Setting Concrete Riser

11

## Segment A (Garney Construction / LAN)

### Next Month - Projected Construction Activities

- Continue conducting testing on embedment material, native backfill and weld inspections thru HVJ
- Pipe Installation
  - Continue stripping, trenching, and pipe installation operations with pipe laying crew 1, between Sand hill Road headed West towards 3158
  - Continue stripping, trenching, and pipe installation operations with pipe laying crew 2, up to within a few hundred feet of the receiving shaft on the East side of Plum Creek
  - Continue stripping, trenching, and pipe installation operations with pipe laying crew 3, West of RC lane and heading to towards Sea willow Road
  - All pipe laying crews are loading carrier pipe in tunnels, pouring CLSM at ends of tunnels, pouring 3000 psi concrete anchors as they lay past appurtenance locations, installing test stations for cathodic protection, and stacking out precast at appurtenance locations after concrete cures
- Crew #2 will demobilize from the project once they install pipe within a few hundred feet of the receiving shaft on the East side of Plum Creek
- Perform maintenance on all county roads and private roads being used for construction operations
- Continue haul off excess native material and rough grading



Seg A – Garney Crew 1 – Work on Bolt Up

12

# Segment B (Garney Construction / K Friese)

### Construction Status

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



Activity	Status
ROW Cleared	100%
Pipe Delivered	85%
Tunnels Completed B1	100% (21 of 21)
Tunnels Completed B2	50% (2 of 4)
Pipe Installed	37%
Major Crossing (TX 130)	55% (430LF of 775LF) Launch shaft completed and 24-hour tunneling operations started

# SEGMENT B - PROGRESS PHOTOS



Seg B – SH130 BORECO Assembling Frame for Tail Shaft



Seg B – SH130 BORECO Placing Contact Grout in Tail Shaft



Seg B – SH130 BORECO Aligning Casing

# Segment B (Garney Construction / K Friese)

## Next Month - Projected Construction Activities

- Tunnels
  - Installed tunnels to bring total to 21 of 21 (100%) on original B1/B2 scope of work
  - Hold on CP002 scope of tunnel installations for segment B2 during installation of SH130 tunnel; current total is 2 of 4 (50%) completed on CP002 scope of work added to segment B contract
- Major Crossings
  - Continue tunneling at SH130 crossing with 24-hour operations
  - Finish tunnel (775LF)
  - Contact grout casing at the completion of the SH-130 tunnel casing installation
- Pipe Installation
  - Finish loading carrier pipe at Church Street tunnel location #2 on B2
  - Continue final open cut pipe installation on original scope of work to be completed on Segment B2 (approximately 450 LF) and tie into carrier pipe at church street tunnel location #2
  - Finish pipe installation on B-D line from BPS to start of original scope of B2
  - Set 36" in-line gate valve on SW side of SH 142
  - Hauling off excess spoils from project site and spreading topsoil
  - Continue pouring concrete anchors for precast at CAV and Drain Valves
  - Setting precast structures for appurtenances behind laying operation
  - Finish interior joint grouting and final broom sweeping on Segment B2 and CP002 scope of work added to Segment B.
  - Prep B2 for final inspections
  - Start final pipe inspections with contractor and CMI staff
- Start filling B2 from SMWTP



SH130 – BORECO Began Hand Tunneling

# Segment D (SJ Louis / Freese & Nichols)

## Construction Activities

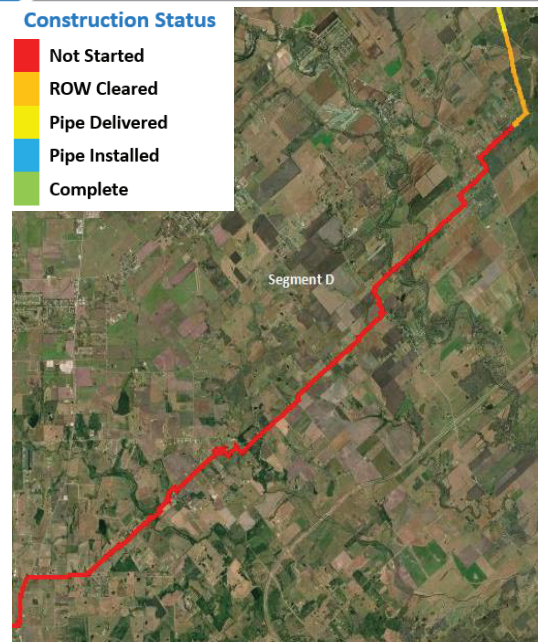
- Conducted bi-weekly progress meetings
- Process documentation in SharePoint
- Finished clearing operations from SH142 headed Southeast up to HWY 80
- Continued SWPPP installations at SH142 headed Southeast towards HWY 80 behind the clearing operation
- Continued temporary fence gaps for access and cattle fencing along easements
- Started pipe deliveries and receiving approximately 3000LF a week
- Prepping ROW with culverts and leveling out easements for access with pipe trucks
- Conducted onsite meeting to discuss TxDOT temp and permanent driveways
- Temporary construction entrance will be moved to rough station 213+00 with TxDOT approval
- Inclement weather conditions impacted jobsite and will likely shut down site for a few days starting Tuesday 1/31/23

## Next Month - Projected Activities

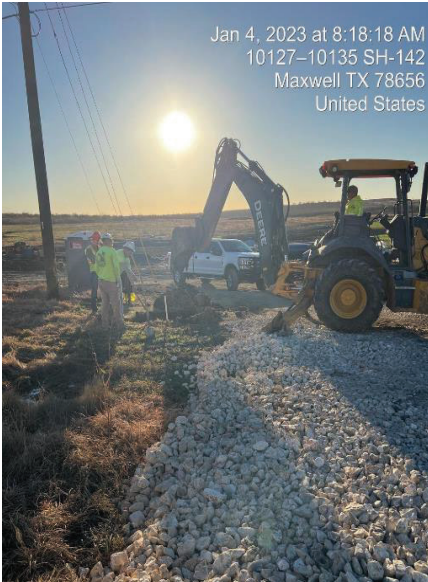
- Suspend pipe deliveries due to inclement weather the week of 1/30/23 and resume pipe deliveries on 2/6/23
- Continue temporary fence gaps for access and cattle fencing along easements
- Continue SWPPP installations from SH142 headed SE towards HWY 80 behind the clearing operation
- Resume clearing operations ahead of embedment and pipe deliveries on South side of HWY 50
- Conduct bi-weekly progress meeting
- Conduct prove-out on SJ Louis compaction process for embedment and native backfill
- Start pipe installation with crew at B-D connection near BPS and headed SW towards HWY 80

### Construction Status

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



# SEGMENT D - PROGRESS PHOTOS



Seg D – Utility locating for casing prep under SH142



Seg D – Surveying for easement along HWY 80



Seg D – Northwest Pipe Deliveries

17

## Segment E (Garney / Walker Partners)

### Construction Activities

- Conducted Pre-Construction meeting on 1/25
- Coordination with developments along 758.
- Coordination of UIR permitting.

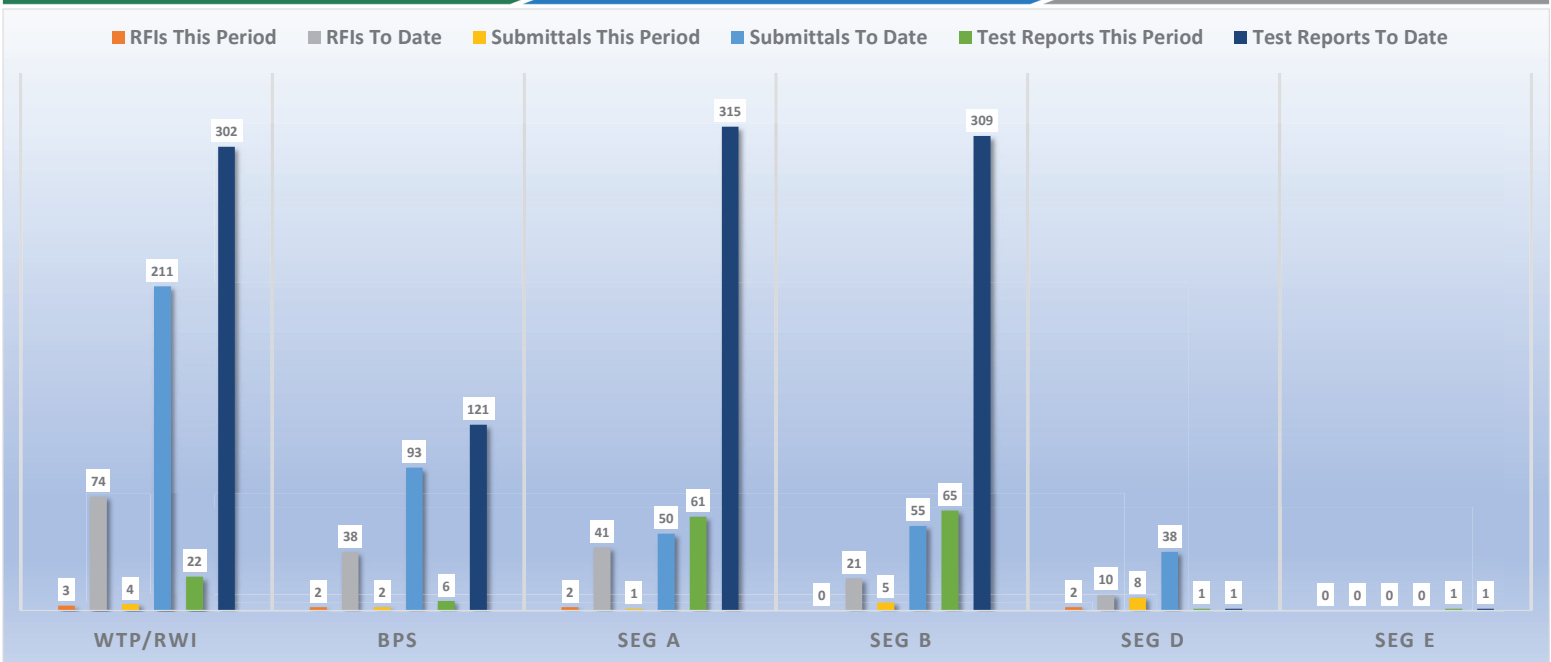
### Next Month - Projected Activities

- Continue processing documentation in SharePoint



18

# PROGRAM OVERSIGHT RECAP



19

**QUESTIONS?**

20



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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 – February 8, 2023
- Kimley-Horn Monthly Summary of Activities for January 2023

**Technical Committee Decisions Needed:**

- None.



# Phase 1B Program Update

Technical Committee Meeting  
February 8, 2023



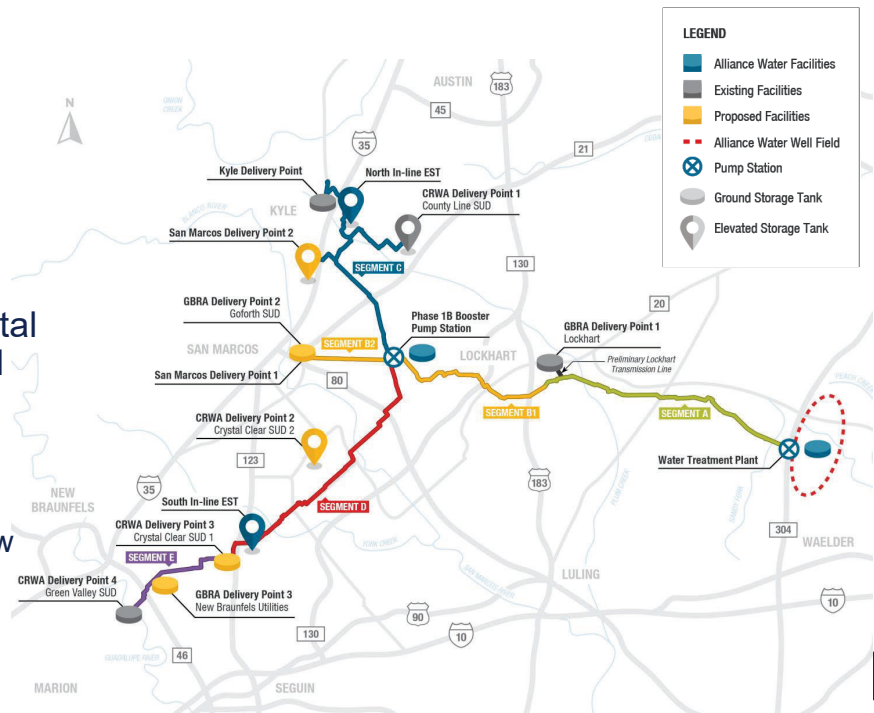
**ALLIANCE WATER**

PRESENTED BY **Kimley»Horn**  
Expect More. Experience Better.

## Ongoing Progress

### ► Design Milestone Status

- Design Submittal
  - Segment C – 100% submittal under review
  - North Inline EST – 60% submittal reviewed/comments distributed
  
- TWDB Reviews
  - WTP
    - Change Order No. 1 and 2 Release of Funds Under Review
  - Segment D
    - Final Design – Release of Funds Under Review
    - Construction – Release of Funds Under Review
  - Segment E
    - Plans and Specs – Under Review



# Ongoing Progress

## ► South Inline EST Procurement Schedule

- Dec. 14<sup>th</sup> – Advertisement
- Jan. 27<sup>th</sup> – Proposals Received/Opened
- February – Anticipated Contract Award
- March – Notice to Proceed



# Pipeline Easement Acquisition Status

Pipeline Segment	Number of Parcels	STATUS						Final Settlement Outstanding
		(A) Appraisal/Offer in Development	(B) Negotiation	(C) = (A+B) Appraisal / Negotiation	(D) Condemnation in Process	(E) = (C+D) Possession Still Needed	(F) Purchase Agreement Signed / Possession Obtained	
A	39	0	0	0	0	0	39	5
B	47	0	0	0	0	0	47	16
D	60	0	0	0	0	0	60	16
C	75	4	9	13	9	22	53	41
E	38	0	2	2	3	5	33	22
Well Field	16	0	4	4	0	4	12	4
<b>Total</b>	<b>275</b>					<b>31</b>	<b>244</b>	<b>104</b>



## COST UPDATES BASED ON JANUARY MILESTONE SUBMITTALS/RESULTS

		ORIGINAL (FEB. 2019)	REVISED	
	Construction Package	ARWA Total Projected Cost	ARWA Total Projected Cost	DIFFERENCE
<b>Submittal (%)</b>	<b>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
100	Inline EST (South)	\$ 3,600,000	\$ 4,800,000	\$ 1,200,000
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
Const.	Pipeline Segment D	\$ 36,300,000	\$ 44,200,000	\$ 7,900,000
Const.	Pipeline Segment E	\$ 9,500,000	\$ 14,000,000	\$ 4,500,000
	<b>Subtotal</b>	<b>\$141,000,000</b>	<b>\$168,600,000</b>	<b>\$ 27,600,000</b>
	<b>ARWA-Only Infrastructure</b>			
Closed	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
Const.	Pipeline Segment E (ARWA-Only)	\$ 6,700,000	\$ 12,800,000	\$ 6,100,000
No Design	Administration and Operations Building	\$ 4,300,000	\$ 4,200,000	(\$ 100,000)
	<b>Subtotal</b>	<b>\$ 99,400,000</b>	<b>\$110,800,000</b>	<b>\$ 11,400,000</b>
	<b>Total</b>	<b>\$240,400,000</b>	<b>\$279,400,000</b>	<b>\$39,000,000</b>

FEBRUARY 2023 UPDATE

NO CHANGE FROM  
JANUARY UPDATE



# Questions?

February 3, 2023

## Project Monthly Summary

### January 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 and submitted updated budget projections.*
  - *Began preparation for the Overall Program Budget projection presentation.*
  - 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
  - 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
  - *Assisted the Program Environmental Consultant in addressing Segment C agency comments on submitted reports.*
  - Continue coordination with ARWA and the Program Environmental Consultant regarding the burial relocation proceedings.
  - Continued coordination with ARWA and the Program Environmental Consultant regarding the burial relocation proceedings.
  - Continued coordination with Program Environmental Consultant concerning the comments from the United States Army Corps of Engineers.
  - Monthly progress meeting and ongoing coordination with Program Environmental Consultant.

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

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- Continued coordination between Program Environmental Consultant and Design Engineers.
- Task 8 – Land Acquisition Management
  - Continued negotiations with remaining Segment C parcels.
  - Coordinated the appraisal process for Segments C and W parcels.
  - Coordinated with Program Survey Consultant, Program Environmental Consultant, and Land Acquisition legal 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 legal team.
  - Weekly coordination meeting with Legal Land Acquisition team to discuss status of easement acquisition proceedings and to provide Program clarification on any questions/requests that have come from landowners.
  - Reviewed 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
  - *Coordinated with Program PM and Design Consultant to prepare the Segment D Construction Phase Release of Funds documentation.*
  - Coordinated with TWDB staff to track the status of funding release requests under review.
  - Continued coordination with ARWA, GBRA, and TWDB Staff to track all documents currently under review.
- 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
      - *Began review of 100% Submittal prepared by the Design Consultant.*
      - Continued coordination with Design Consultant for final design.
      - Continued coordination with Design Consultant regarding ongoing pipeline alignment considerations.
    - Segment D
      - Continue coordination with Design Consultant for construction phase services.
    - Segment E



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

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- Task 16 – Other Services
  - *Prepared and submitted for review the updated City of San Marcos Watershed Protection Plan for the parcels to be platted near the Booster Pump Station.*
- Task 18 – Environmental Construction Services
  - Attended construction status meetings.

**February 2023 Projection:**

- Task 1 – Program Management Plan Updates
  - *Finalize the updates to the Document Control Data Management Section given ARWA’s document retention feedback.*
- 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 the 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
  - *Continue preparation for Overall Program Budget projection presentation.*
  - 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
  - Integrate each project schedule into overall Program schedule. Develop and distribute schedule update and memorandum.
- Task 6 – Data Management
  - Continue tracking the number of easements with final settlement outstanding.
  - Continue 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.
  - Continue updating of web-based GIS for easement acquisition process and alignment changes.
- Task 7 – Environmental Management



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

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- Assist the Program Environmental Consultant in addressing Segment C agency comments on submitted reports.
- Continue coordination with ARWA and the Program Environmental Consultant regarding the burial relocation proceedings.
- 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 negotiations with remaining Segment C parcels.
  - Coordinate the appraisal process for Segment C and W parcels.
  - Coordinate with Program Survey Consultant and Design Consultants to address questions that arise as part of the field work coordination process.
  - Perform weekly QC of parcel files in SharePoint, provide comments to Legal Land Acquisition team.
  - Weekly coordination meeting with Legal Land Acquisition to discuss status of easement acquisition proceedings and to provide Program clarification on any questions/requests that have come from landowners.
  - Review 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
  - Prepare the Segment D Construction Phase Release of Funds request and submit to TWDB for review.
  - Continue coordination with ARWA, GBRA, and TWDB Staff to track all 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 Design Consultants as needed.
  
- Task 11 – Engineering Design Management
  - Pipelines:
    - Segment A
      - Continue coordination with Design Consultant for construction phase services.
    - Segment B
      - Continue coordination with Design Consultant for construction phase services.
    - Segment C

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

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- Continue review of 100% Submittal prepared by the Design Consultant.
      - 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 for construction phase services.
    - Segment E
      - Continue coordination with Design Consultant for construction phase services.
  - Raw Water Infrastructure:
    - Continue coordination with Design Consultant for construction phase services.
  - Water Treatment Plant:
    - Continue coordination with Design Consultant for construction phase services.
  - Booster Pump Station:
    - Continue coordination with Design Consultant for construction phase services.
  - Inline Elevated Storage Tanks:
    - Continue to coordinate with Design Consultant during the South Inline Elevated Storage Tank project procurement services.
    - Continue coordination with Design Consultant for final design development for the North Inline Elevated Storage Tanks.
  - 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.
  - 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

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

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- *Continue coordination with Inline Elevated Storage Tank Design Consultant during the South Inline Elevated Storage Tank procurement and construction phase services.*
- *On-going coordination with WTP, RWI, BPS, Segment A, Segment B, Segment D, and Segment E Design Consultants during the construction phase.*
- *On-going coordination with the Construction Management & Inspection team.*
  
- **Task 16 – Other Services**
  - *Respond to City of San Marcos comments for the submitted City of San Marcos Watershed Protection Plan for the parcels to be platted near the Booster Pump Station.*
  
- **Task 18 – Environmental Construction Services**
  - *Attend construction status meetings.*

**Scope Elements Added/Removed:**

- *Continue evaluation and revised prepared WTP Expansion options given GBRA’s request for additional capacity at the WTP in the future.*
- *Continue evaluation of impacts to Phase 1B infrastructure based on WTP Expansion options recommended.*

**Outstanding Issues/Concerns:**

None at this time.

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

**COMMITTEE MEMBER PACKETS**

Wednesday, February 8th, 2023 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 South Elevated Inline Storage Tank Project.  
~ *Graham Moore, P.E., Executive Director*
- 

Background/Information

Alliance Water sought proposals for the Phase 1B South Inline Elevated Storage Tank Project starting in December 2022 with proposals submitted on January 27, 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 a 1.0 million gallon elevated storage tank, connections to the Segment D pipeline, and other site improvements. The proposals included two alternatives, one for the addition of a logo and the second for electrical service to the site.

Two 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)

- South Inline Elevated Storage Tank Recommendation Presentation

**Technical Committee Decision Needed:**

- Possible recommendation to the Board to recommend contingently awarding the South Inline Elevated Storage Tank Project to Landmark Structures with Allowance 1 (Logo) and Allowance 2 (Electrical Service).

# Alliance Regional Water Authority

## South Inline EST – Recommendation of Construction Award

February 9, 2023



1

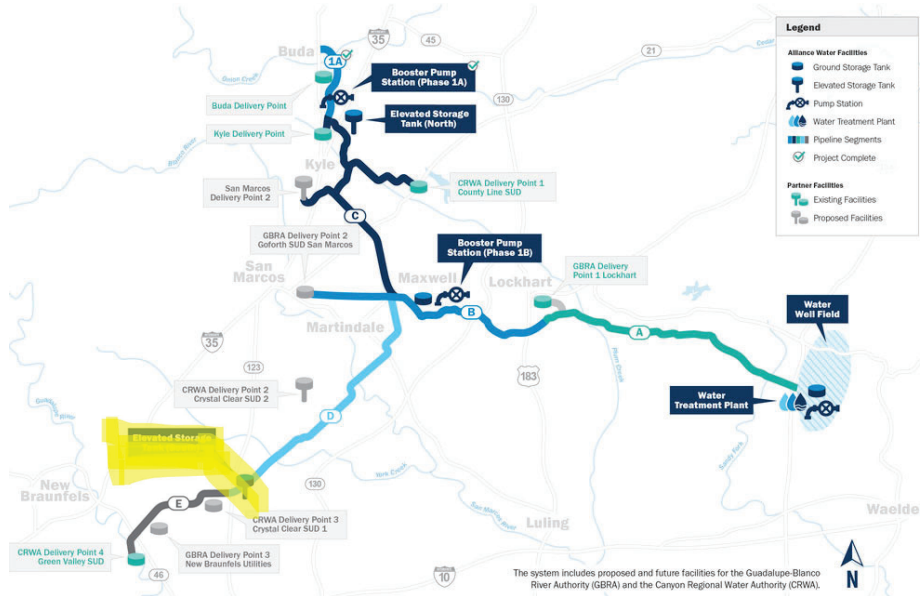
### Meeting Agenda

#### South Inline Elevated Storage Tank

- Summary of Proposals Received
- Review Team Total Combined Score
- Recommendation



# Segment D Limits



# South Inline EST Summary of Proposals Received

Proposal Price	Alt Description	Proposal Company	
		Landmark	Phoenix
Base Proposal		\$4,573,000	\$6,832,000
Allowance 1	Tank Logo	\$40,000	\$40,000
Allowance 2	Electric Service	\$25,000	\$25,000
TOTAL		\$4,638,000	\$6,897,000

RECOMMENDED



## Criteria for Selection

- Proposal Price (40 Points)
- Quality Reputation, and Ability to Complete Similar Projects on Schedule and Within Budget (20 Points)
- Key Personnel (15 Points)
- Project Approach (15 Points)
- Safety Record (5 Points)
- Historically Underutilized Business (HUB) Program Compliance Plan (5 Points)



## Review Team Total Combined Score

Criteria	Landmark Structures	Phoenix
Proposal Price (40 Points)	40.0	27.0
Quality, Reputation, and Ability to Complete Similar Projects on Schedule and Within Budget (20 Points)	18.2	16.4
Key Personnel (15 Points)	14.2	11.2
Project Approach (15 Points)	13.6	9.0
Safety Record (5 Points)	3.8	0.0
Historically Underutilized Business (HUB) Program Compliance Plan (5 Points)	3.2	0.2
<b>Total (100 Points Possible)</b>	<b>93.0</b>	<b>63.8</b>



## ARWA-GBRA Segment E Cost Split

Proposal Item	Cost Split				
	Landmark	ARWA (%)	GBRA (%)	ARWA Cost	GBRA Cost
Base Bid	\$4,573,000	76.6	23.4	\$3,552,708	\$1,020,292
Allowance 1	\$40,000	76.6	23.4	\$30,640	\$9,360
Allowance 2	\$25,000	76.6	23.4	\$19,150	\$5,850
<b>TOTAL</b>	<b>\$4,638,000</b>			<b>\$3,602,498</b>	<b>\$1,035,502</b>

- ARWA Budget for South Inline EST Construction = \$4,404,500



## Recommendation

- It is the recommendation that **Landmark Structures** be selected as the General Contractor for the Alliance Regional Water Authority South Inline Elevated Storage Tank Project.
- Award the Project complete with Allowances 1 and 2.





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

**COMMITTEE MEMBER PACKETS**

Wednesday, February 8th, 2023 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 HVJ South Central Texas – M&J, Inc. for material testing on the Segment E Pipeline project.  
~ *Graham Moore, P.E., Executive Director*
- 

Background/Information

The Authority entered into a Master Agreement with HVJ Associates for material testing on the Phase 1B Program after a Request for Qualifications process was followed. Work Orders #1 through #5 were issued to HVJ for the Water Treatment Plant Project through Segment D Pipeline projects.

The Executive Director negotiated the scope and fee for the materials testing for the Segment E project with HVJ. The effort was reviewed by the Construction Management and Inspection teams to help ensure that all anticipated materials testing needs are included and largely follows the scope negotiated for the previous pipeline segments. The Segment E proposal is inline with the Segment D proposal

Below are some of the key facts regarding the proposal:

<b>Firm:</b>	HVJ, Inc.
<b>Project:</b>	Segment E
<b>Fee:</b>	\$392,695
<b>Work Order Type:</b>	Hourly, Not-to-Exceed
<b>Duration:</b>	Thru 5/2024
<b>Project Manager:</b>	Jimmy Si

Attachment(s)

- ARWA Segment E Proposal dated February 2, 2023

**Technical Committee Decision Needed:**

- Possible recommendation to the Board to approve a work order with HVJ South Central Texas – M&J, Inc. for Material Testing on the Phase 1B Segment E Pipeline Project.



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Austin, Texas 78744

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Feb. 2, 2023

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

Re: ARWA Phase 1B – Pipeline Segment E  
Construction Phase Materials Engineering and Testing Proposal  
San Marcos, Texas  
HVJ Project No. SC2110020.7

Dear Mr. Moore:

Pursuant to your request, HVJ South Central Texas – M&J, Inc. (HVJ) is pleased to submit this proposal to provide Owner quality assurance testing for the above referenced project. This proposal reflects brief scope and fee for construction phase materials engineering and testing services following a brief review of project documents.

### **Project Description**

The Alliance Regional Water Authority Phase 1B Pipeline Segment E project consists of approximately 44,583 linear feet of 36” potable water pipeline, and associated appurtenances, from the Texas State Highway 123 – Farm to Market Road 758 intersection to the Canyon Regional Water Authority Lake Dunlap Water Treatment Plant on Lakeside Pass in Guadalupe County, Texas. The pipelines are primarily constructed via open-cut methodology but also consists of 709 LF of Trenchless (Excluding Lake Dunlap), 5 gate valves, 18 air valve assemblies, 12 drain valve assemblies, 1 access manway, impressed current cathodic protection, and HDD proposed by Garney for Lake Dunlap crossing option.

### **Scope of Services**

The general scope of material testing and inspection services anticipated for this project is as follows.

- Soils, Base, Aggregate, Concrete, Flowable Fill, and Grout/Mortar Lab/Field Testing
- Steel Pipe – Weld Inspection & Testing

It is understood that materials testing and observations services were estimated on a call-out basis, where personnel will not be present full time during performance of the work unless requested to be present. ***However, where possible, HVJ-SCTx will work with the CMI team to combine testing and inspection activities in an attempt to reduce the number of site visits needed.***

## Cost Estimate

We recommend allocating a budget of **\$392,695.00** for construction materials testing and inspection including weld inspection for the proposed Phase 1B Pipeline Segment E. Summary of the itemized materials testing and inspection budget is attached.

## Assumptions

The following assumptions were used in the preparation of this proposal:

- For soils and concrete/grout testing, 190 days for one tech and 60 days for second tech at 4 hrs./day are assumed.
- For welding inspections, 125 days at 10 hrs./day are assumed.
- Inspection of O Ring Connections will be performed by others.
- Field inspection of mortar lining and polyurethane coating is not included in this scope. The CWIs will be certified to measure polyurethane coating thickness of field repairs. When scheduled the previous day, the CWIs will perform thickness measurements of polyurethane coating and the only extra fees will be for equipment and reporting.
- 100% visual and 100% testing is assumed for field welds.
- All welds will be tested using the Magnetic Particle method.
- Retest and reinspection costs are not included in the estimate. We will reinspect/retest inside the daily fee as long as it doesn't cause the need to add more service days. As requested, reinspection/retest costs will be separated on invoices to ARWA.
- 1 business day advance notice will be required to schedule services.

This estimate was prepared based on a **12-month** pipe installation schedule with anticipated completion in June 2024. The cost estimate is based on our projections for both the construction schedule and the frequency of service requests from the Client. As the schedule and frequency of service requests are oftentimes beyond our control, we cannot guarantee that the estimate provided herein will be adequate for the services needed through the entire duration of the construction of this project. We understand that advance authorization will be required if additional funds are needed to complete the testing per project specifications. HVJ will monitor the budget as the work proceeds and will keep you or your designated representative informed.

Scheduling of our personnel for this project will be at the request of you or your designated representatives. To ensure proper scheduling of the work, we require a minimum 24 hour notice (1 full business day, Monday-Friday) to provide on-call personnel.

Services will be invoiced on a unit fee basis in accordance with the attached Construction Phase Services Fee Schedule. Overtime rates of 1.5 times the regular hourly rates will be charged for any time worked over 8 hours per day, hours worked before 6:00 AM or after 6:00 PM Monday through Friday, and all hours worked on Saturdays, Sundays and holidays.

## Limitations

Our work will be performed in a manner consistent with that level of care and skill ordinarily exercised by other members of HVJ's profession practicing in the same locality, under similar

conditions and on the date the services are provided. Our conclusions, opinions, and recommendations will be based on a limited number of observations and testing data. It is possible that conditions could vary between or beyond the data evaluated. HVJ makes no guarantee or warranty, express or implied, regarding the services, communication (oral or written), report, opinion, or instrument of service provided.

This proposal was prepared specifically for the client and its designated representatives and may not be provided to others without HVJ's expressed permission.

HVJ Associates® appreciates the opportunity to provide the services to ARWA projects, and is pleased to submit this proposal along with the itemized cost estimate for the proposed project. Should you have any questions regarding this proposal, please don't hesitate to contact us at 512-447-9081.

Sincerely,

**HVJ South Central Texas – M&J, Inc.**  
TBPE F-18091



Jimmy Si, P.E.  
Sr. Project Manager



Syed Jafar, P.E.  
Executive Vice President

Enclosures:

Itemized Cost Estimate  
Attachment A: Standard Fee Schedule (3 pages)

### Itemized Cost Estimate

<b>ARWA - Phase 1B Pipeline Segment E - Materials Testing (Field Services - soils, concrete/grout)</b>				
<i>Description</i>	<i>Unit</i>	<i>Quantity</i>	<i>Rate</i>	<i>Total</i>
Tech Time - Soil Compaction, Concrete/Grout Testing	hour	1000	\$84	\$84,000
Overtime - Soil Compaction, Concrete/Grout Testing	hour	50	\$126	\$6,300
Nuclear Gauge	trip	250	\$55	\$13,750
Vehicle Charge	trip	250	\$80	\$20,000
			<b>Subtotal</b>	<b>\$124,050</b>
<b>ARWA - Phase 1B Pipeline Segment E - Materials Testing (Lab Services - soils, aggregates &amp; concrete/grout)</b>				
<i>Description</i>	<i>Unit</i>	<i>Quantity</i>	<i>Rate</i>	<i>Total</i>
Soil/Base Sample Preparation	each	15	\$75	\$1,125
Atterberg Limits	each	15	\$75	\$1,125
Sieve Analysis (soils)	each	15	\$72	\$1,080
Proctors	each	15	\$275	\$4,125
Relative Density (gravel)	each	3	\$550	\$1,650
Sieve Analysis (bedding & rip rap)	each	3	\$95	\$285
Concrete & Grout Cylinder Compressive Strength	each	195	\$24	\$4,680
			<b>Subtotal</b>	<b>\$14,070</b>
<b>ARWA - Phase 1B Pipeline Segment E - Weld Inspection</b>				
<i>Description</i>	<i>Unit</i>	<i>Quantity</i>	<i>Rate</i>	<i>Total</i>
Pipeline Inspector (CWI)	hour	1250	115	\$143,750
Pipeline Inspector - Overtime	hour	250	172.5	\$43,125
Magnetic Particle Equipment	trip	125	\$125	\$15,625
Vehicle Charge	trip	125	\$80	\$10,000
Reporting - Welding Inspection	each	125	\$100	\$12,500
			<b>Subtotal</b>	<b>\$225,000</b>
<b>ARWA - Phase 1B Pipeline Segment E - Project Administration</b>				
<i>Description</i>	<i>Unit</i>	<i>Quantity</i>	<i>Rate</i>	<i>Total</i>
Project Manager, PE	hour	75	\$179	\$13,425
Task Leader (Deputy Project Manager)	hour	85	\$125	\$10,625
Admin	hour	85	\$65	\$5,525
			<b>Subtotal</b>	<b>\$29,575</b>
			<b>Total</b>	<b>\$392,695.00</b>

**HVJ SOUTH CENTRAL TEXAS  
CONSTRUCTION MATERIALS ENGINEERING AND TESTING SERVICES  
STANDARD FEE SCHEDULE**

Attachment A

**ALLIANCE REGIONAL WATER AUTHORITY MASTER FEE  
SCHEDULE**

CODE	DESCRIPTION	HOURLY RATES
1	Project Manager (PE)	\$ 179.00
2	Sr. Project Engineer(PE)	\$ 179.00
3	Project Engineer (PE)	\$ 150.00
4	Staff Engineer (EIT)	\$ 125.00
5	Certified Engineering Technician	\$ 84.00
6	Welding Inspector (CWI)	\$ 115.00
7	NDT Inspector (ASNT Level II)	\$ 125.00
8	NDT Inspector (ASNT Level III)	\$ 145.00
9	NACE Inspector Level I Coatings Inspector	\$ 115.00
10	Administrative	\$ 65.00
11	Vehicle Charge (per trip)	\$ 80.00
12	Nuclear Gauge (per trip)	\$ 55.00
13	Magnetic Particle Equipment (per trip)	\$ 125.00
14	Traffic Control	Cost + 10%

<b>MATERIAL TESTING</b>		<b>UNIT PRICE</b>
CODE	DESCRIPTION	UNIT PRICE
<b>100</b>	<b>Concrete Aggregates:</b>	
101	Screen or Sieve Analysis (ASTM C-136 or Tex-110)	\$ 72.00
102	Specific Gravity (ASTM C-127 or C128)	\$ 51.00
103	Unit Weight (ASTM C-29)	\$ 45.00
104	Absorption (ASTM C-127 or C-128)	\$ 44.00
105	Finer than 200 Mesh (ASTM C-117)	\$ 49.00
106	Organic Impurities (ASTM C-40)	\$ 45.00
107	Scratch Hardness (ASTM C-851)	\$ 45.00
108	Abrasion Tests (ASTM C-131 or C-535)	\$ 215.00
109	Clay Lumps (ASTM C-142)	\$ 55.00
110	Light Weight Pieces (ASTM C-123)	\$ 61.00
111	Sand Equivalent (ASTM D-2419)	\$ 65.00
112	Sodium/Magnesium Sulfate Soundness (5 Cycles)	\$ 390.00
113	Sodium/Magnesium Sulfate Soundness Additional Cycles	\$ 175.00
114	Petrographic Examination of Concrete Aggregates (ASTM C-295)	By Quotation

CODE	DESCRIPTION	UNIT PRICE
<b>200</b>	<b>Concrete Mix Design Inspection and Testing</b>	
	Mix Design Review (using previously determined aggregate properties and other design factors) Excluding Test Costs	\$ 179.00
201		
202	Trial Batch Tests (ASTM C-192) (Using aggregate admixtures and cement proposed for use in the project) each batch or each curve point	\$ 450.00
203	Cylinders (ASTM C-39) test or hold, each	\$ 24.00
204	Beam Test (ASTM C-78, C-293) or Hold, Each	\$ 55.00
205	Concrete Coring (4" Dia Up to 6" Thickness) ASTM C-42 includes Personnel, Vehicle and Patching Holes	\$ 90.00
206	Measuring Thickness of Concrete Cores (ASTM C-174)	\$ 22.00
207	Additional Thickness (6"to 12")/ (Inch)	\$ 8.00
208	Additional Thickness (Over 12")/ (Inch)	\$ 10.00

**HVJ SOUTH CENTRAL TEXAS  
CONSTRUCTION MATERIALS ENGINEERING AND TESTING SERVICES  
STANDARD FEE SCHEDULE**

Attachment A

209	Concrete Coring, Minimum Charge (Min. 3 Cores)/ (LS)	\$	290.00
210	Preparation of Cores, Capping & Test (ASTM C42, C-39)	\$	67.00
211	Cement Compressive Strength, one age (ASTM C-109)/(Set)	\$	120.00
212	Cement Compressive Strength, two age (ASTM C-109)/ (Set)	\$	127.00
213	Mortar/Grout Compressive Strength Cubes (ASTM C-109)	\$	27.00
214	Mortar/Grout Compressive Strength 3" x 6" (ASTM C-495)	\$	24.00
215	Mortar/Grout Compressive Strength Grout Prisms (ASTM C-1019)	\$	55.00
216	Structural Coring		By Quotation
217	Windsor Probes (ASTM C-803)	\$	79.00
218	Bar Linear Shrinkage/ (Set)	\$	282.00
219	Unit Weight of Lightweight Cylinders/ (Set)	\$	70.00
220	Split Tensile Strength including preparation (ASTM C-496)	\$	94.00
221	Petrographic Examination of Hardened Concrete (ASTM C-856)		By Quotation
222	Concrete Shrinkage Test (ASTM C-157, C-490)/ (Test)	\$	138.00
<b>CODE</b>	<b>DESCRIPTION</b>		<b>UNIT PRICE</b>
<b>800</b>	<b>Asphalt Concrete Mix Design &amp; Inspection</b>		
801	Mix Design Review (using previously determined aggregates properties and other design factors) Excluding Test Costs	\$	187.00
802	Trial Batch Test (up to 5 curve points)	\$	1,403.00
803	Additional Curve Points for item 802, Per Point	\$	202.00
804	Extraction & Gradation Test (ASTM D-2172, ASTM C-136 or TEX - 210F)	\$	174.00
805	Specific Gravity (ASTM D-2041 TEX 201F)	\$	75.00
806	Stability: Hveem (3 Per Set) (ASTM D-1559)	\$	125.00
807	Bulk Density of Lab Molded or Field Specimen (Core), (TEX - 207F)/(Set)	\$	75.00
808	Molding Specimens (3 Per Set) for 806 & 807 (ASTM D-1560, TEX-208F)/(Set)	\$	125.00
809	Penetration (ASTM D-5)	\$	74.00
810	Ductility (ASTM D-113)	\$	99.00
811	Viscosity (ASTM D-2170)	\$	82.00
812	Asphalt Coring (4" Dia Up to 6" Thickness) includes Personnel, Vehicles and Patching Holes	\$	80.00
813	Asphalt Coring Minimum Charge/ (LS)	\$	290.00
814	Additional Thickness over 6"/ (Inch)	\$	7.00
815	Abson Recovery (TEX-211F)	\$	281.00
816	Measuring Thickness of Asphalt Cores	\$	8.00
817	Maximum Theoretical Specific Gravity (TEX 227F)	\$	115.00
818	Hot Mix In-Place Asphalt Design	\$	1,870.00
819	Apparent Specific Gravity (TEX 227F)	\$	58.00
820	Moisture Susceptibility Test (TEX 531C)	\$	409.00
821	PMA Extraction/Gradation (ASTM D-2172)	\$	234.00
822	PMA Extraction/Gradation by Ignition (ASTM D-2928)	\$	145.00

**HVJ SOUTH CENTRAL TEXAS  
CONSTRUCTION MATERIALS ENGINEERING AND TESTING SERVICES  
STANDARD FEE SCHEDULE**

Attachment A

<b>CODE</b>	<b>DESCRIPTION</b>	<b>UNIT PRICE</b>
<b>1000</b>	<b>Soil Tests</b>	
I001	Atterberg Limits (ASTM D-4318, Tex 104E, 105E, 106E)	\$ 75.00
I002	Moisture Content Only (ASTM D-2216)	\$ 15.00
I003	Mechanical Sieve Analysis, Through #200 Sieve (ASTM D-422)	\$ 72.00
I004	Percent Passing #200 Sieve (ASTM D-1120)	\$ 65.00
I005	Specific Gravity (ASTM D-854 & D-204)	\$ 51.00
I006	OMD Standard Compaction (ASTM D-698, Tex-114E)	\$ 275.00
I007	OMD Modified Compaction (ASTM D-1557, Tex-113E)	\$ 275.00
I008	OMD Lime or Cement Stabilized Soil (ASTM D-698, D-558, D-1557, Tex121E)	\$ 275.00
I009	California Bearing Ratio (ASTM D-1883)	\$ 185.00
I010	Percent Solids in Lime Slurry / (Test)	\$ 37.00
I011	Four Point Lime Content Recommendation Series (PI)/(Set)	\$ 250.00
I012	Cement Content of Freshly Mixed CSS Mixture (ASTM D-806)	\$ 269.00
I014	Comp. Strength of CSS Sample, Including Molding (ASTM D-1632 & D-1633)	\$ 61.00
I015	Maximum & Minimum Density (Sands) (ASTM D-4254)/ (Test)	\$ 275.00
I016	Density and Moisture of Soil Sample	\$ 19.00
I017	Unconfined Compression (ASTM D-2166)	\$ 39.00
I018	Unconsolidated Undrained (ASTM D-2850)	\$ 54.00
I019	Consolidation (One cycle) (ASTM D-2435)	\$ 310.00
I020	Consolidation - Additional Increments	\$ 44.00
I021	Ph of Soil (ASTM D-4972)	\$ 45.00
I022	Optimum Lime Content Ph Method	\$ 225.00
I023	Sieve Analysis - Base Materials (ASTM C-136)	\$ 85.00
I024	Compressive Strength of Cement Stabilized Base Materials, (TEX-120E, ASTM D-2166)	\$ 275.00
I025	Soil Shrinkage Factor (ASTM D-427)	\$ 54.00
I026	One Dimensional Swell Cohesive Soils	\$ 251.00
I027	Triaxial Testing	By Quotation
I028	Permeability Test, Constant Head Method (ASTM D-2434)	\$ 225.00
I029	Pinhole Test	\$ 246.00
I030	Crumb Test (ASTM D-4647)	\$ 33.00
I031	Double Hydrometer (ASTM D-4221)	\$ 152.00
I032	Free Swell (FHA)	\$ 75.00
I033	Soil Suction - Filter Paper Method	\$ 49.00

**1300 Reimbursable Expenses:**

I301 Reimb Expenses Including Outside Testing, Equipment and Supplies Cost + 10%

**General Notes**

\* Services on an hourly basis will be invoiced based on unit rates presented above. Overtime rates of 1.5 times the regular hourly rates will be charged for time worked over 8 hours or before 6:00 AM or after 6:00 PM on Monday through Friday, and all hours worked on Saturdays, Sundays, or holidays.

\* A minimum charge of four (4) hours applies to time worked less than four hours in any service call. HVJ, when possible will combine inspection and testing activities to minimize trip charges and labor expenses.

\* Services will be invoiced from portal to portal including on-site time.



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

**COMMITTEE MEMBER PACKETS**

Wednesday, February 8th, 2023 at 3:00 P.M.

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

**F.5** Discussion and possible recommendation to the Board to approve a work order with Kimley-Horn & Associates, Inc. for Owner’s Representative Services for March 2023 through February 2024 for the Authority’s Phase 1B Program. ~ *Graham Moore, P.E., Executive Director*

Background/Information

The Authority entered into a work order with Kimley-Horn & Associates, Inc. in February 2018 for the first year of Owner’s Representative Services for the Phase 1B Program and entered into work orders in February 2019, 2020, 2021 and 2022 for the subsequent years. The current work order is set to expire on February 28, 2023.

The table below outlines the contracted fees for Owner’s Representative services for the first two work orders and the actual/projected total expenditure for each:

<b>Work Order / Period</b>	<b>Contract Value</b>	<b>Total Expenditure</b>
#1 (3/18 – 2/19)	\$2,609,966	\$1,984,280
#2 (3/19 – 2/20)	\$2,877,103	\$2,815,225
#3 (3/20 – 2/21)	\$3,110,422	\$3,110,422
#4 (3/21 – 2/22)	\$2,685,433	\$2,376,226
#5 (3/22 – 2/23)	\$1,989,091	\$1,989,000*

\* Projected

The Executive Director negotiated a new work order with Kimley-Horn to begin on March 1, 2023 and extend through February 29, 2024. Below is a summary of the scope of work.

Scope of Work

A detailed scope of work is attached with summary costs listed below. Due to the scale of the effort it is difficult to get a definitive list of all activities that will be required. It will be incumbent upon the Executive Director to closely monitor the activities and expenditures.

<b>Task</b>	<b>Anticipated Fee</b>
1 – Program Management Plan Updates	\$5,455
2 – Stakeholder Coordination	\$160,793
3 - Budgeting	\$91,252
4 - Schedule	\$32,002
5 – Reporting	\$36,930
6 – Data Management	\$71,058
7 – Environmental Management	\$31,866

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

**COMMITTEE MEMBER PACKETS**

Wednesday, February 8th, 2023 at 3:00 P.M.

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

8 – Land Acquisition Management	\$294,091
9 – TWDB Management	\$67,256
10 – Design Standards Updates	\$12,036
11 – Engineering Design Management	\$77,716
12 – Quality Assurance	\$3,630
13 – Electrical Power Planning*	\$7,325
14 – Permit Coordination/Tracking	\$19,746
15 – Procurement & Construction Phase	\$285,132
16 – Project Administration	\$17,888
17 – Other Services	\$141,826
18 – Environmental Const Phase Svcs	\$266,369
<b>Maximum Fee</b>	<b>\$1,622,371</b>

Fee Schedule

The work is proposed to be contracted on an hourly rate basis. Kimley-Horn's subconsultants account for 62.0% of the total anticipated effort, with 22.0% of the total effort contracted to Historically Underutilized Businesses. The costs include a 10% markup by Kimley-Horn on all subconsultants work.

Contract

The work order will be issued under the terms and conditions of the Master Agreement entered into between Kimley-Horn and Alliance Water in May 2016.

Attachment(s)

- Proposal dated February 2, 2023 from Kimley-Horn for Phase 1B – Owner's Representative Services

Recommendation(s)

- The Executive Director recommends approval of the work order with Kimley-Horn & Associates

**Technical Committee Decision Needed:**

- Possible recommendation to the Board to approve a work order with Kimley-Horn & Associates, Inc. for Owner's Representative Services for March 2023 through February 2024 for the Authority's Phase 1B Program.



February 2, 2023

Mr. Graham Moore, P.E.  
Executive Director  
Alliance Regional Water Authority  
1040 Highway 123  
San Marcos, TX 78666

**RE: *Scope of Services – Work Order No. 7  
Phase 1B Infrastructure – Owner’s Representative***

## **PROJECT DEFINITION AND BACKGROUND**

The Alliance Regional Water Authority (Alliance Water) has developed a Capital Improvements Plan (CIP) per Resolution 20160525-008 that identifies anticipated infrastructure requirements over the several decades. This CIP is divided into multiple project delivery phases. Phase 1A was completed in 2020. Phase 1B consists of infrastructure to be delivered by the end of 2024 and includes groundwater wells, water treatment plant, transmission mains, booster pump station, elevated storage tanks, and eight (8) delivery points. Alliance Water and Guadalupe Blanco River Authority (GBRA) have entered into an agreement to oversize a portion of the proposed Phase 1B infrastructure to accommodate delivery of water to both Alliance Water as well as GBRA customers (three additional delivery points). The infrastructure to be oversized includes: water treatment plant, a significant portion of the transmission mains, and booster pump station.

Alliance Water has obtained a State Water Implementation Fund for Texas (SWIFT) loan from the Texas Water Development Board (TWDB) for the proposed Phase 1B Program.

The Scope of Services for this agreement consists of Kimley-Horn and Associates, Inc. (“Kimley-Horn” or “Owner’s Representative”) serving Alliance Water as an Owner’s Representative by assisting in the management of the overall project delivery of Phase 1B Program through the completion and startup of the infrastructure in 2024. In performing the services, the Owner’s Representative will endeavor to operate as an extension of Alliance Water’s staff. The Owner’s Representative will function as the representative and not the agent of Alliance Water. The Owner’s Representative will exercise independent judgment and will operate without extensive oversight and direction. The Owner’s Representative will commit the personnel and resources required to perform the services throughout the term of this Agreement.

Work Order No. 7 will extend for a duration of 12 months. Attachment A identifies the key phases that each infrastructure contract is anticipated to complete within this 12-month period.

## KEY TERMINOLOGY

- **Consultants** – refers collectively to consultants (design, environmental, and land acquisition) that will be procured by and contracted directly with Alliance Water for the Phase 1B Program.
- **Land Acquisition Consultant Team** – refers to consultants (legal, land agent / appraisal, and survey) that will be procured by and contracted directly with Alliance Water for the land acquisition process for the Phase 1B Program.
- **Environmental Consultant** – refers to the consultant that will be procured by and contracted directly with Alliance Water to perform environmental services for the Phase 1B Program.
- **Combined Program** – refers to the infrastructure that will be shared between Alliance Water and GBRA.

## SCOPE OF WORK

### 1. Program Management Plan Updates

This task consists of the ongoing implementation and maintenance of the Phase 1B Program Management Plan (PMP) that was developed in Work Order No. 2. The PMP defines the policies and procedures to be implemented by Phase 1B Program personnel. Tasks to be performed may include the development of additional PMP components as well as the maintenance of the following components already developed:

- 1.1. Communication Protocol
- 1.2. Document Control / Data Management Protocol
- 1.3. Quality Assurance Plan
- 1.4. Milestone Review Process Protocol
- 1.5. Risk Management Plan
- 1.6. Land Acquisition Protocol
- 1.7. Environmental Management Protocol
- 1.8. Texas Water Development Board (TWDB) Protocol
- 1.9. Design Management Protocol
- 1.10. Budget and Funding Protocol
- 1.11. Schedule Protocol
- 1.12. Reporting Protocol
- 1.13. Permit Management Protocol
- 1.14. GBRA & Project Advisory Committee (PAC) Protocol
- 1.15. Procurement Protocol
- 1.16. Construction Protocol, including integration of the Construction Management & Inspection (CM&I) team
- 1.17. PMP Appendices

#### **Task Meetings:**

- None

## 2. Stakeholder Coordination

This task consists of the coordination that will be required by the Owner's Representative in performance of the management of the Phase 1B program. Perform stakeholder coordination in accordance with the protocol established in the PMP. This task consists of:

- 2.1. Stakeholder identification – Not Used
- 2.2. Initial and/or Ongoing Coordination
  - 2.2.1. Executive Director
  - 2.2.2. Technical Committee and Board Meetings – attend and present status updates
  - 2.2.3. Project Advisory Committee (PAC) Meetings – attend and present status updates
  - 2.2.4. Other Alliance Water Consulting Services (Public Relations, Accounting, Legal)
  - 2.2.5. Texas Commission on Environmental Quality (TCEQ)
  - 2.2.6. Texas Department of Transportation (TxDOT)
  - 2.2.7. Union Pacific Railroad (UPRR)
  - 2.2.8. Counties (Hays, Caldwell, Guadalupe)
  - 2.2.9. Cities (Kyle, San Marcos, Umland, Lockhart, Maxwell, others)
  - 2.2.10. GBRA and/or its consultants
  - 2.2.11. Other utilities, entities

### **Task Meetings:**

- Alliance Water Executive Director coordination meetings
- Alliance Water Executive Committee and Board Meetings
- PAC Meetings
- Other Alliance Water Consulting Services – as part of coordination meetings with Executive Director
- Texas Commission on Environmental Quality
- Texas Department of Transportation
- Union Pacific Railroad
- Counties
- Cities
- Other utilities, entities
- Design consultants will be required to meet with agencies separately on project specific issues.

## 3. Budgeting

Maintain the budget tracking protocol developed in the PMP for the Phase 1B Program. It is assumed that the budget will be maintained in Microsoft Excel and linked to the schedule. The format of the budget will be in accordance with TWDB requirements. Monthly Budget updates are anticipated with monthly review sessions as established in the PMP. This task consists of:

- 3.1. Perform monthly budget updates:
  - 3.1.1. Track costs to the Phase 1B Program versus the anticipated budget. Costs associated with the Combined Program will be tracked separately.

- 3.1.2. Coordinate with applicable parties to receive current opinion of probable construction cost (OPCC) data for projects as identified in PMP.
- 3.1.3. Identify budget deviations and coordinate with applicable parties for potential corrective measures. Summarize budget deviations within monthly updates.
- 3.2. Prepare budget updates for the following parties at the frequency identified:
  - 3.2.1. Executive Director – quarterly
  - 3.2.2. Alliance Water Board and Technical Committee – quarterly
  - 3.2.3. PAC – quarterly
  - 3.2.4. TWDB – quarterly
  - 3.2.5. Public – quarterly
- 3.3. Program Cost Analysis and Review – perform cost analyses, which may include: evaluating proposed design standards and specifications, obtaining contractor input, and comparing cost projections prepared by Design Consultants to look for potential options for controlling projected program costs.

**Task Meetings:**

- None.

#### 4. Schedule

Maintain the schedule as Identified in the PMP for the Phase 1B Program. The schedule management will be performed monthly using Microsoft Project with schedule review sessions as established in the PMP (concurrent with budget review sessions). This task consists of:

- 4.1. Perform monthly schedule updates:
  - 4.1.1. Coordinate with applicable parties to obtain current schedules for projects
  - 4.1.2. Identify schedule deviations and coordinate with applicable parties for potential corrective measures. Schedules for projects in construction will be evaluated by others and for the purposes of the monthly update these schedules will be condensed into only the primary construction tasks.
  - 4.1.3. Special updates will be performed when critical information becomes known
- 4.2. Prepare schedule updates for the following parties at the frequency identified:
  - 4.2.1. Executive Director – monthly
  - 4.2.2. Alliance Water Board and Technical Committee – quarterly
  - 4.2.3. PAC – quarterly
  - 4.2.4. TWDB – quarterly
  - 4.2.5. Public – quarterly
- 4.3. Program Schedule Analysis and Review – perform overall program schedule analysis, which may include: obtaining contractor input and comparing schedules prepared by Design Consultants to look for potential options for controlling projected program schedule.

**Task Meetings:**

- None.

**5. Reporting**

Prepare routine progress reports as identified in the PMP for the Phase 1B Program. This task consists of:

- 5.1. Prepare monthly progress reports:
    - 5.1.1. Coordinate with applicable parties to obtain status for project tasks
    - 5.1.2. Provide Board and Technical Committee a detailed report identifying what was worked on during the previous month and what is anticipated for the following month
  - 5.2. Prepare progress updates for the following parties at the frequency identified:
    - 5.2.1. Executive Director – weekly summary and monthly report
    - 5.2.2. Alliance Water Board and Technical Committee – monthly
    - 5.2.3. PAC – monthly
    - 5.2.4. TWDB – quarterly
    - 5.2.5. Public – quarterly
- Progress reports for projects in construction will be prepared by the CM&I team.

**Task Meetings:**

- None.

**6. Data Management**

Manage record keeping as established in the PMP. Data storage will continue to be performed utilizing Microsoft SharePoint as well as Esri ArcGIS. This task consists of:

- 6.1. Overall data management:
  - 6.1.1. Perform administrative support functions for overall project record keeping and implementing the data management system;
  - 6.1.2. Enter information into applicable data management system;
  - 6.1.3. Distribute updated contract documents ensuring program team maintain current version of project documents;
  - 6.1.4. Prepare, manage, record, distribute and archive documentation of project activities, progress, and related communications;
  - 6.1.5. Log receipt of documents and inquiries requiring a response, provide delivery of documents to appropriate parties, track documents, and monitor timely response;
  - 6.1.6. Review supporting documents for conformance with PMP guidelines;
  - 6.1.7. Maintain project records;
  - 6.1.8. Maintain change management logs, RFI logs, RFPs logs, submittal logs;
  - 6.1.9. Perform internal audits for quality assurance of overall documents.
- 6.2. Microsoft SharePoint:
  - 6.2.1. Perform ongoing data management of documents within SharePoint,
- 6.3. Interactive Web-based GIS:
  - 6.3.1. Perform data updates for the following data to be hosted in ArcGIS application, assumed to occur at the frequencies identified:
    - Background Imagery (provided by Esri base-mapping) – annually;
    - Parcel data (right-of-entry and land acquisition status) – weekly;

- City / County / District boundaries – annually;
- Alliance Water proposed infrastructure – monthly;
- FEMA 100-year floodplain (from FEMA map service) – annually;
- United States Geological Service (USGS) National Hydrography Dataset (from USGS hosted map service) – annually;
- United States Fish and Wildlife Service (USFWS) National Wetlands Inventory (from USFWS hosted map service) – annually;
- Desktop/Field Environmental data provided by Environmental Consultant – monthly;
- Topographical data – annually;
- Existing utility data – monthly;
- Construction progress tracking - monthly

Updates/edits will be performed in an ArcGIS Desktop environment prior to being viewable in the web-based application. Data and application support and hosting will be provided for the duration of this this Work Order.

- 6.4. Coordination with Construction Management and Inspection (CMI) Team regarding GPS Collected Data:
  - 6.4.1. Coordinate with CMI Team regarding setting up and implementing Web-Based GIS site to accept their collected field data.
  - 6.4.2. Review data loaded to the Web-Based GIS by the CMI Team on a monthly basis to confirm construction data is being collected as each project progresses and confirm naming convention is being followed by the CMI Team. CMI Team responsible for their own internal QA/QC, Kimley-Horn to spot check for conformance.

**Task Meetings:**

- None.

**Deliverables:**

- Hard copy deliverables to be provided to Alliance Water and other parties as part of the Owner’s Representative services are included in this task. Deliverables may include:
  - Meeting agendas;
  - Program status reports;
  - Copies of the PMP;
  - Exhibits.

## 7. Environmental Management

Perform environmental management and coordination for the Phase 1B Program in accordance with the PMP. This task consists of:

- 7.1. Perform regular coordination with Environmental Consultant to discuss ongoing activities, schedule, potential issues, deliverables, and other items related to their scope of work.
- 7.2. In conjunction with the Environmental Consultant, perform ongoing coordination with key agencies, including:
  - 7.2.1. United States Army Corps of Engineers (USACE)



- 7.2.2. Texas Parks and Wildlife Department (TPWD)
- 7.2.3. Local floodplain administrators.
- 7.3. Assist with the review of Environmental Consultant monthly invoices.
- 7.4. Perform continuous tracking of Environmental Consultant's project scope and assist with the development and review of potential amendments.
- 7.5. Perform as-needed site visits with Environmental Consultant during their field studies.
- 7.6. To the extent reasonably possible, site visits will be coordinated with those identified in Task 8 and 11.
- 7.7. Review and comment on environmental permitting documents (prepared by Environmental Consultant) for the following agencies:
  - 7.7.1. USACE
  - 7.7.2. TPWD
  - 7.7.3. United States Fish and Wildlife Service (USFWS)
  - 7.7.4. Texas Historical Commission (THC).
- 7.8. Review and comment on TWDB environmental deliverables prepared by Environmental Consultant.
- 7.9. Other Environmental Services as identified and assigned by Alliance Water.

**Task Meetings:**

- Environmental agency (USACE, USFWS, TPWD, THC) meetings
- Environmental Consultant Team progress meetings

## 8. Land Acquisition Management

Perform management and coordination for the Phase 1B Program land acquisition process in accordance with the PMP and the RAMP. This task consists of:

- 8.1. Perform negotiation efforts with landowners for parcels where easements have not yet been acquired. Track ongoing activities, schedule, potential issues, deliverables, and other items related to the acquisition process.
- 8.2. Assist with the review of Program Appraisal Consultant monthly invoices.
- 8.3. Perform continuous tracking of Program Appraisal Consultant's project scope and assist with the development and review of potential amendments.
- 8.4. Review land acquisition data for conformance to the PMP/RAMP requirements.
- 8.5. Perform as-needed site visits.
- 8.6. To the extent reasonably possible, site visits will be coordinated with those identified in Task 7 and 11.
- 8.7. Review and comment on TWDB land acquisition deliverables.
- 8.8. Coordination with landowners to facilitate access for Consultants for field work,
- 8.9. Assist in the resolution of title issues (such as recent landowner transactions) by contacting/visiting County appraisal districts and other offices as needed to obtain relevant deeds, plats, and similar documents.
- 8.10. Weekly meetings with Alliance Water and Special Counsel as well as biweekly meetings with the Program Surveyor.
- 8.11. Other Land Acquisition Services as identified and assigned by Alliance Water.

**Task Meetings:**

- Weekly progress meetings

**9. Texas Water Development Board Management**

Perform management and coordination with the TWDB for the Phase 1B Program in accordance with the PMP. This task consists of:

- 9.1. Identify milestone deliverables and provide feedback on critical path schedule.
- 9.2. Review TWDB deliverables for conformance to TWDB requirements and provide comments to the Consultants.
- 9.3. Perform regular coordination with the TWDB to discuss ongoing activities, schedule, potential issues, status of deliverables, and other items related to the TWDB SWIFT loan.
- 9.4. Prepare fund release request letters for submission to the TWDB, including required backup information.

**Task Meetings:**

- TWDB progress meetings

**10. Design Standards Updates**

This task shall include the revising and updating of design standards documents already prepared in prior Work Orders. Categories may consist of:

- 10.1. Revisions/Updates to Design Standards, Specifications and Details (develop and/or update as needed):
  - 10.1.1. Transmission Pipelines and Delivery Points Design Standards
  - 10.1.2. Standard Specifications for Construction
  - 10.1.3. Standard Details
  - 10.1.4. Pipeline Corrosion Protection Standards
  - 10.1.5. Telemetry, Instrumentation & Controls, SCADA, and Security Standards – Development of Design Standards, Specifications and Details for the following:
    - 10.1.5.1. Fiber Optic Design Standards, Specifications and Details
    - 10.1.5.2. SCADA Communication Standards, Specifications and Details
    - 10.1.5.3. Instrumentation Standards, Specifications and Details
    - 10.1.5.4. Security Standards, Specifications and Details
  - 10.1.6. Facility General Electrical Standards – to be developed by the Water Treatment Plant Consultant as part of their specification development. The Owner’s Representative will review and comment and coordinate with other applicable Consultants to promote consistency.
- 10.2. Master Specifications – develop and/or update as needed
- 10.3. Record Drawings (Plans & GIS)
- 10.4. Address comments from Design Consultant Teams and finalize

**Task Meetings:**

- Specifications and Details Review Meeting (1 total).

**11. Engineering Design Management**

Perform engineering design management and coordination for the Phase 1B Program in accordance with the PMP. Manage the following proposed design contracts:

- 11.1. Raw Water Infrastructure
- 11.2. Water Treatment Plant and High Service Pump Station
- 11.3. Transmission Pipelines (5 contracts)
- 11.4. Administration Building and Operations Center
- 11.5. Booster Pump Station and Delivery Points
- 11.6. Elevated Storage Tanks
- 11.7. Program Survey

The following tasks may be performed, as applicable to the current status of the contract:

- Identify early actions required.
- Assist with the development and review of project scope (new contracts and/or contract amendments) for the Design Consultants.
- Assist with the review of proposed LOE developed by the Design Consultants.
- Review and provide comments on the Project Management Plans prepared by the Design Consultants.
- Assist with the review of Design Consultant monthly invoices.
- Perform regular coordination with the Design Consultants to discuss ongoing activities, schedule, potential issues, deliverables, and other items related to their scope of work.
- Perform as-needed site visits with Design Consultants.
- To the extent reasonably possible, site visits will be coordinated with those identified in Task 7 and 8.
- Review and comment on TWDB Engineering Feasibility Report (EFR) deliverables prepared by Design Consultants.
- Review and comment on milestone submittals (60%, 90%, final) prepared by Design Consultants.
- Review/Provide comments on Consultant OPCCs at milestones.
- Other Design-related services as assigned by Alliance Water.

**Task Meetings:**

- Consultant Design Teams progress meetings

**12. Quality Assurance**

Perform Quality Assurance protocol for the Phase 1B Program in accordance with the PMP. This task includes:

- 12.1. Review the Quality Assurance / Quality Control (QA/QC) Plans prepared by the Consultants for conformance to the PMP and provide comments.
- 12.2. Perform regular coordination with Consultants to confirm implementation of QA/QC in project activities.
- 12.3. At each milestone submittal, receive QA/QC documentation from Consultants and review for adherence to QA/QC Plan.

**Task Meetings:**

- None.

### 13. Electrical Power Planning

Perform ongoing planning and coordination support associated with the electrical power required for the Phase 1B Program infrastructure, which may include the following:

- Well Pumps and Raw Water Infrastructure
- Water Treatment Plant and High Service Pump Station
- Booster Pump Station, Administration Building and Operations Center
- Potential Corrosion Protection Systems for Transmission Pipelines

The following tasks shall be performed:

- 13.1. Perform preliminary analyses and coordinate with Design Consultants to determine approximate demand and energy associated with each of the potential service locations.
- 13.2. Develop a strategy for contacting, gathering system quality and reliability data, and discussing rates with each of the electrical service providers.
- 13.3. Coordinate with the electrical service providers to evaluate potential cost and reliability of service options for each location.
- 13.4. Assist Alliance Water with negotiations of the electrical supply agreements.
- 13.5. Assist the Alliance by defining special equipment needs such as power factor correction, motor starting equipment to mitigate voltage dips, etc.

**Task Meetings:**

- Alliance Water and Electrical Service Providers coordination meetings

### 14. Permit Coordination/Tracking

Perform permit coordination and tracking associated with the Phase 1B Program in accordance with the PMP. The following tasks shall be performed:

- 14.1. Perform regular coordination with the Consultants to discuss ongoing activities, schedule, potential issues, and other items related to permitting.
- 14.2. Incorporate permit updates from Consultants into master permit tracking list. The master permit tracking list will maintain linkage to the master schedule.
- 14.3. The following list identifies the anticipated entities that will require approvals and/or permits in the performance of the Phase 1B Program. The Consultant will provide design documents and exhibits required as part of the permit submittal.

14.3.1. TCEQ – includes the following tasks:

- Permitting and Public Water Supply coordination for delivery points,
- Corrosion Report coordination,
- Exception Request submittal and coordination.

- 14.3.2. TxDOT
- 14.3.3. UPRR
- 14.3.4. Counties (Hays, Caldwell, Guadalupe)
- 14.3.5. Cities (Kyle, San Marcos, Uhland, Lockhart, Maxwell, others)
- 14.3.6. Private utilities

**Task Meetings:**

- As already defined in Task 2 – Stakeholder Coordination.

**15. Procurement and Construction Phase Services**

Perform Procurement and Construction Phase Services associated with the Phase 1B Program in accordance with the PMP.

Throughout the duration of Procurement and Construction Phase Services, the Consultant for each respective project will provide professional opinions, render engineering judgement, and make final decisions for any adjustment to design intent or revisions to construction documents. The CM&I will lead the development and implementation of the construction management plan and perform inspections for the projects. The Owner’s Representative team will function as an administrative liaison between the parties but will not direct the Consultants to make changes to the design.

The following tasks are anticipated:

**15.1. Procurement Services**

- 15.1.1. Pre-Proposal Meeting
  - 15.1.1.1. Prepare agenda and lead meeting
  - 15.1.1.2. Collect questions and provide to Design Consultant for review and response
- 15.1.2. Addenda Review
  - 15.1.2.1. Review administratively
- 15.1.3. Proposal Evaluation and Recommendation
  - 15.1.3.1. Review and participate in scoring proposals submitted for construction packages and provide formal recommendation to Owner
- 15.1.4. Committee and Board Items
  - 15.1.4.1. Present Proposal Summary and formal recommendation to PAC and Board as well as the Technical Committee, if time permits
- 15.1.5. Execution of Contract
  - 15.1.5.1. Coordinate construction contract execution

**15.2. Construction Phase Services**

- 15.2.1. Administration
  - 15.2.1.1. Prepare and present at workshop on administrative construction procedures
  - 15.2.1.2. Review and comment on Construction Administrative Data Management Plan (prepared by the CM&I)
  - 15.2.1.3. Coordination with design consultant, CM&I and Alliance Water for general management tasks
- 15.2.2. Preconstruction Meetings
  - 15.2.2.1. Attend

- 15.2.3. Monthly Construction Meetings
  - 15.2.3.1. One (1) member of the Owner’s Representative team will attend monthly construction meetings for all projects, scheduled on the same 1 to 2-day span each month.
- 15.2.4. Construction Activities – Review and comment on applicable items, and attend meetings as needed:
  - 15.2.4.1. Submittals (review of Program-wide elements only)
  - 15.2.4.2. Substitutions (Consultant provides recommendation, Owner’s Representative reviews and advises Owner)
  - 15.2.4.3. Request for Information (only if RFI has contractual implications)
  - 15.2.4.4. Pay Request (review for administrative completeness only)
  - 15.2.4.5. Defective Work (Consultant provides recommendation, Owner’s Representative reviews and advises Owner)
  - 15.2.4.6. Change Orders (Consultant provides recommendation, Owner’s Representative reviews and advises Owner)
  - 15.2.4.7. Record Drawings (review for administrative completeness only)
  - 15.2.4.8. Commissioning (attend and coordinate ARWA sponsors as needed)
  - 15.2.4.9. Substantial Completion
  - 15.2.4.10. Final Walkthrough
  - 15.2.4.11. Warranty Walkthrough

**Task Meetings:**

- As already defined in Task 15 – Procurement and Construction Phase Services.

**16. Project Administration**

For this task, “Project” refers to the contract between the Owner’s Representative and Alliance Water. The following tasks shall be performed:

- 16.1. Invoicing – the Owner’s Representative shall submit invoices monthly in the approved format for Alliance Water review and approval. Each monthly invoice package shall include the invoice and project status report.
- 16.2. Project Management – the Owner’s Representative shall perform miscellaneous administrative tasks, including management of manpower and budgets, subconsultant management, and other activities associated with managing the overall Owner’s Representative contract.

**Task Meetings:**

- None.

## 17. Other Services

Perform services on an as-directed basis as directed by Alliance Water. These tasks could include:

- 17.1. Water Quality Testing and Coordination – This task consists of sampling and testing of the raw water source and customer treated water sources. This task will include testing protocols, on-site testing, lab coordination and review, summary reporting and coordination with the Water Treatment Plant Design Consultant. Sampling will occur at the raw water wells for Alliance Water and GBRA for evaluating chlorine decay, trihalomethane (THM) formation, and/or other constituents. Treated water quality sampling will be near the locations of the Alliance Water delivery points and will be performed for water blending analyses. Water quality sampling and testing will be approved in advance by Alliance Water based on the outcomes of water quality workshops and related coordination. Lab and equipment fees will be paid separately by Alliance Water.
- 17.2. TCEQ Coordination and Start Up Approvals
- 17.3. Other Design Tasks as assigned by ARWA

### **Task Meetings:**

- None

## 18. Environmental Construction Phase Services

Perform services on an as-directed basis as directed by Alliance Water. These tasks could include:

- 18.1. Pre-Construction Meeting with Contractor – Prepare presentation or talking points reflective of environmental conditions that must be adhered to during the construction of the facility and present information to the contractor. The environmental team will provide necessary contact information to the contractor and when it would be necessary to stop work and contact the environmental team.
- 18.2. Migratory Bird Nest Survey – This task consists of completing a survey for migratory bird nests prior to vegetation clearing if it will occur between March 15 and September 15. The easement and any temporary construction easements would be surveyed for migratory bird nests. The survey would consist of a field survey of vegetation that would be cleared within five (5) days of the survey. Survey schedule would be required based on the five-day clearing schedule that the contractor is able to accomplish. Any nests that are found would be marked with flagging along with a buffer around the nest and would be monitored until the birds leave the nest. Any abandoned nests that do not appear to have active nesting use would be removed to prevent use of the nest. A short memorandum will be prepared following the survey for each facility documenting survey results and compliance with regulations.
- 18.3. Cultural Resources – On-call services will be provided in the event that cultural resources are encountered, or excavation reveals sites of potential cultural importance, unmarked graves, or human remains, work will stop, and the Owner's Representative will be contacted to assess the situation, conduct a site visit if needed, determine the need for further investigation following THC protocol, and complete disposition of any identified features. If cultural resource features are encountered, the THC will be contacted for further consultation and guidance as to the need for further investigations or surveys. Coordination with the U.S.

Army Corps of Engineers (USACE) will also occur if the site is within jurisdictional areas. This Scope of Services does not include an archeological survey. A report will be prepared and submitted documenting the results of any investigations or consultations which have occurred.

- 18.4. Encounter protected species – On-call services will be provided in the event state or federally listed threatened or endangered species or potential habitats are encountered by construction workers during the construction period. Upon notification by Alliance Water and its construction contractor, the Owner’s Representative will conduct a site visit, consult with federal and state agencies as needed or required, and develop avoidance and/or mitigation measures including relocation of the species if necessary.
- 18.5. USACE Compliance and Reporting – This task includes tasks associated with USACE compliance. This includes updated photos of water crossings pre-construction, ensuring easement boundaries are clearly marked within jurisdictional areas, photos of post-construction once vegetation is reestablished, and report preparation. The report would include confirmation that the work was performed in accordance with USACE requirements, a summary of the work that was performed, a comparison of pre-construction and post-construction conditions of jurisdictional areas, a description of all impacts to waters of the U.S., documentation that disturbed areas have been revegetated, and any associated exhibits necessary.
- 18.6. Hazardous Materials On-Call – This task consists of a subconsultant to Kimley-Horn providing on-call hazardous material investigations during the construction phase of the project. The following activities are anticipated to be conducted:
  - 18.6.1. Upon notification of discovery of potentially hazardous materials during construction, Owner’s Representative will mobilize a subconsultant to the location to evaluate and document site conditions and, if warranted, collect samples for environmental laboratory analyses. The subconsultant will determine the appropriate laboratory analyses for the material encountered and will submit the samples on a requested turn-around time agreeable to the Client. Standard analyses (in accordance with the Resource Conservation Recovery Act) appropriate for evaluation of construction worker safety and waste characterization will be selected. Excavation, transport, and disposal of material is not included in this scope of work.
  - 18.6.2. Owner’s Representative will provide the analytical results and recommendations after receiving and reviewing final analytical reports from the laboratory and provide this information to Alliance Water and the construction contractor. The contractor will be responsible for developing a contractor safety plan.
  - 18.6.3. For each on-call incident, a brief written summary will be provided via email communication to document activities associated site evaluation, analytical testing, and waste management.

Assumptions:

- Each site visit would consist of a 12-hour day for two staff members.
- For migratory bird surveys, it is anticipated that the surveys will be required for Segments C, D and E.



- Updated photos of jurisdictional areas will be taken during nest survey work, for the purposes of estimating fee. If nest surveys are not required at the beginning of construction for a segment, such as Segment D, two (2) days would be required per segment to take photos for jurisdictional crossings. This excludes Segments B and E as there are no impacts to jurisdictional waters for the segment. If feasible, photos could also be taken by the Program Construction Managers, Pape-Dawson, in lieu of the environmental team mobilizing should it be necessary.
- For cultural resources, two site visits by two staff members are anticipated to be required.
- For threatened/endangered species or habitats, one site visit for the water treatment plant and booster pump station by two staff members and one visit by two staff members for the pipelines are assumed. A report will be prepared and submitted documenting the results of any investigations or consultations which have occurred (see deliverables below).
- USACE reporting would only be required for Segment A, C, and D in this Work Order as Segments B and E avoid USACE impacts.
- Actual report deliverable would not be required as construction is not anticipated to be complete during the work order period. Only work to document existing conditions and organize data and reports would be accomplished during this work order.

## FEE AND EXPENSES

Kimley-Horn will perform the services in Tasks 1 – 18 on a labor fee plus expense basis until the maximum fee is reached. The budgets for each task are shown below.

Task 1	Program Management Plan	\$ 5,455.00
Task 2	Stakeholder Coordination	\$ 160,793.00
Task 3	Budgeting	\$ 91,252.00
Task 4	Schedule	\$ 32,002.00
Task 5	Reporting	\$ 36,930.00
Task 6	Data Management	\$ 71,058.00
Task 7	Environmental Management	\$ 31,866.00
Task 8	Land Acquisition Management	\$ 294,091.00
Task 9	TWDB Management	\$ 67,256.00
Task 10	Design Standards	\$ 12,036.00
Task 11	Engineering Design Management	\$ 77,716.00
Task 12	Quality Assurance	\$ 3,630.00
Task 13	Electrical Power Planning	\$ 7,325.00
Task 14	Permit Coordination/Tracking	\$ 19,746.00
Task 15	Procurement and Construction Phase Services	\$ 285,132.00
Task 16	Project Administration	\$ 17,888.00
Task 17	Other Services	\$ 141,826.00
Task 18	Environmental Construction Phase Services	\$ 266,369.00
	Maximum Fee	\$ 1,622,371.00

Kimley-Horn will not exceed the total maximum fee shown without authorization from Alliance Water. Individual task amounts are provided for budgeting purposes only. Kimley-Horn reserves the right to reallocate amounts among tasks as necessary. Labor fee will be billed on an hourly basis according to our then-current rates. As to these tasks, direct reimbursable expenses such as subconsultants, express delivery services, fees, air travel, and other direct expenses will be billed at 1.10 times cost. Administrative time related to the project may be billed hourly. All permitting, application, and similar project fees will be paid directly by Alliance Water.

Kimley-Horn agrees that Alliance Water may reduce the scope of services for any (or all) of the tasks included in the work order. Kimley-Horn will be notified of any such reductions via a written directive describing the effort to be reduced. Kimley-Horn shall be paid for all services rendered and expenses incurred to the effective date of reduced scope.

Payment will be due within 25 days of your receipt of the invoice and should include the invoice number and Engineer project number.

Please contact me at (210) 321-3414 or [ryan.sowa@kimley-horn.com](mailto:ryan.sowa@kimley-horn.com) should you have questions.

Very Truly Yours,



V. Ryan Sowa, P.E.  
Project Manager



Glenn Gary, P.E.  
Senior Vice President

ATTACHMENT A – ANTICIPATED TASKS FOR PHASE 1B CONTRACTS DURING WORK ORDER NO. 7

CONTRACT	CONTRACT PHASE									
	CONSULTANT PROCUREMENT	CONSULTANT CONTRACT EXECUTION	DESKTOP ANALYSES & SITE/ROUTE SELECTION	RIGHTS- OF-ENTRY OBTAINED	FIELD VISITS & ANALYSES	PRELIMINARY ENGINEERING REPORT COMPLETED	TWDB FINAL DESIGN/LAND ACQ. FUNDING RELEASES	FINAL DESIGN	PROCUREMENT FOR CONSTRUCTION	CONSTRUCTION PHASE
PIPELINE SEGMENT A										X
PIPELINE SEGMENT B										X
PIPELINE SEGMENT C							X	X	X	X
PIPELINE SEGMENT D										X
PIPELINE SEGMENT E										X
WELL DRILLING										
OPS. CENTER & ADMIN. BUILDING										
RAW WATER INFRASTRUCTURE										X
WATER TREATMENT PLANT										X
BOOSTER PUMP STATION & DELIVERY POINTS										X
ELEVATED STORAGE TANKS							X	X	X	X

**Alliance Regional Water Authority Owner's Representative  
 Work Order No. 7 Rate Schedule  
 (Hourly Rate)**

QA/QC Engineer / Senior Project Manager / Principal	\$290
Senior Technical Advisor / Deputy Project Manager	\$245
Senior Instrumentation / Electrical Engineer	\$225
Property Acquisition Manager	\$250
Senior Scheduler	\$220
Senior Architect	\$215
Senior Environmental Manager	\$200
Senior Engineer	\$200
GIS Specialist	\$180
Instrumentation / Electrical Engineer	\$170
Senior Biologist	\$165
Civil Engineer	\$185
GIS Developer	\$170
IT Professional	\$155
Engineer-in-Training II	\$160
Architectural Project Manager	\$145
CADD Operator / Senior Technician	\$145
Engineer-in-Training I	\$135
GIS Analyst	\$140
Biologist	\$120
Acquisition / Title Specialist	\$150
Senior Historian	\$110
Document Control Specialist	\$130
Administrative Staff / Technician	\$100
Archeologist	\$85

Alliance Regional Water Authority																			Project Fee Summary							
Owner's Representative / Program Management (Work Order No. 7)																			Total Effort	\$ 1,622,327						
2/2/2023																										
Detailed Overall Kimley-Horn Cost Breakdown																										
Scope of Services																										
Task	Project Role	QA/QC / Senior Mgr / Principal	Senior Tech. Ais / Deputy Pr Mgr	Senior Engineer	GIS Specialist	Civil Engineer	IT Professional	GIS Developer	CADD Operator / Senior Technician	Engineer-in-Training II	Engineer-in-Training I	GIS Analyst	Administrative Staff / Technician		Total Hours	Total Labor Effort	Total Expense Effort	Foster CM Group	CP&Y	Grubb	Spitzer	V&A	Total Sub Effort	Total Effort	Assumptions	
	Hourly Bill Rate	\$290.00	\$245.00	\$200.00	\$180.00	\$185.00	\$155.00	\$170.00	\$145.00	\$160.00	\$135.00	\$140.00	\$100.00													
<b>Task 1 - Program Management Plan Updates</b>																										
1.1	Communication Protocol	1		1		1						1	2		6	\$ 1,010	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,010	
1.2	Document Control / Data Management Protocol	1		1		1						2	2		7	\$ 1,145	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,145	
1.3	Quality Assurance Plan														0	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
1.4	Milestone Review Process Protocol														0	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
1.5	Risk Management Plan														0	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
1.6	Land Acquisition Protocol														0	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
1.7	Environmental Management Protocol														0	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
1.8	Texas Water Development Board (TWDB) Protocol														0	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
1.9	Design Management Protocol														0	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
1.10	Budget and Funding Protocol														0	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
1.11	Schedule Protocol														0	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
1.12	Reporting Protocol														0	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
1.13	Permit Management Protocol														0	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
1.14	GBRA & PAC Protocol														0	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
1.15	Procurement Protocol	1		1		1							2		6	\$ 1,010	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,010	
1.16	Construction Protocol	1		1		1							2		7	\$ 1,145	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,145	
1.17	PMP Appendices	1		1		1							2		7	\$ 1,145	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,145	
<b>Task 2 - Stakeholder Coordination</b>																										
2.1	Stakeholder Identification														0	\$ -	\$ 2,300	\$ 2,904	\$ 49,874	\$ -	\$ 6,600	\$ -	\$ -	\$ 59,378	\$ 160,793	
2.2	Initial and/or Ongoing Coordination														0	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
2.2.1	Executive Director	26													26	\$ 7,540	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 7,540	
2.2.2	Technical Committee and Board														0	\$ -	\$ -	\$ 1,078	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,078	\$ 1,078	
2.2.3	PAC														0	\$ -	\$ -	\$ 1,078	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,078	\$ 1,078	
2.2.4	Other Alliance Water Consulting Services	6													6	\$ 1,740	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,740	
2.2.5	Texas Commission on Environmental Quality	3													3	\$ 870	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 870	
2.2.6	Texas Department of Transportation														0	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
2.2.7	Union Pacific Railroad														0	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
2.2.8	Counties (Hays, Caldwell, Guadalupe)	3													3	\$ 870	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 870	
2.2.9	Cities (Kyle, San Marcos, Unland, Lockhart, Maxwell, others)	3													3	\$ 870	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 870	
2.2.10	GBRA and/or its Consultants	12													12	\$ 3,480	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 3,480	
2.2.11	Other Utilities/Entities	6													6	\$ 1,740	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,740	
2.3	Alliance Water Executive Director coordination meetings	36	24			24					24		18		126	\$ 26,400	\$ 500	\$ -	\$ 20,988	\$ -	\$ 3,300	\$ -	\$ -	\$ 24,288	\$ 51,188	
2.4	Alliance Water Technical Committee and Board Meetings	36	12												48	\$ 13,380	\$ 500	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 13,880	Assumed half of meetings will be virtual
2.5	PAC Meetings	24													24	\$ 6,960	\$ 200	\$ -	\$ 1,078	\$ -	\$ -	\$ -	\$ -	\$ 1,078	\$ 8,238	Assumed meetings will be in person quarterly
2.6	Other ARWA Consulting Services - as part of Coord. Mtg. with ED.	5	5												10	\$ 2,675	\$ 200	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 2,875	
2.7	Texas Commission on Environmental Quality - Meetings	4													4	\$ 1,160	\$ 100	\$ -	\$ 3,784	\$ -	\$ -	\$ -	\$ -	\$ 3,784	\$ 5,044	
2.8	Texas Department of Transportation - Meetings	2													2	\$ 580	\$ 100	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 680	
2.9	Union Pacific Railroad - Meetings	2													2	\$ 580	\$ 100	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 680	
2.10	Counties - Meetings	5													5	\$ 1,450	\$ 100	\$ -	\$ 880	\$ -	\$ -	\$ -	\$ -	\$ 880	\$ 2,430	
2.11	Cities - Meetings	5													5	\$ 1,450	\$ 100	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,550	
2.12	Other Utilities/Entities - Meetings	5													5	\$ 1,450	\$ 200	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,650	
2.13	Internal Program Monthly Meetings	24	24	24		24					24				120	\$ 25,920	\$ 200	\$ 2,904	\$ 20,988	\$ -	\$ 3,300	\$ -	\$ -	\$ 27,192	\$ 53,312	
<b>Task 3 - Budgeting</b>																										
3.1	Perform Monthly Budget Updates	18		24											42	\$ 10,020	\$ -	\$ 61,952	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 61,952	\$ 91,252	
3.1.1	Track costs to the Phase 1B Program vs. the anticipated budget														0	\$ -	\$ -	\$ 58,080	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 58,080	\$ 68,100	
3.1.2	Coordinate with applicable parties to receive current OPCC data														0	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
3.1.3	Identify budget deviations and coordinate with applicable parties														0	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
3.2	Prepare Budget Updates	18		24											42	\$ 10,020	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 10,020	
3.2.1	Executive Director (Monthly)														0	\$ -	\$ 3,872	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 3,872	\$ 3,872	
3.2.2	Alliance Water Board and Technical Committee (Quarterly)														0	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
3.2.3	PAC (Quarterly)														0	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
3.2.4	TWDB (Quarterly)														0	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
3.2.5	Public (Quarterly)														0	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
3.3	Program Cost Evaluation	6		12		16									50	\$ 9,260	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 9,260	
<b>Task 4 - Schedule</b>																										
4.1	Perform Monthly Schedule Updates	6				4									10	\$ 2,480	\$ -	\$ 23,232	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 23,232	\$ 25,712	
4.1.1	Coordinate with applicable parties to obtain current schedules														0	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
4.1.2	Identify schedule deviations and coordinate with applicable parties														0	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
4.1.3	Special updates will be performed when critical info becomes known														0	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
4.2	Prepare Schedule Updates	6				4									10	\$ 2,480	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 2,480	
4.2.1	Executive Director (Monthly)														0	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
4.2.2	Alliance Water Board and Technical Committee (Quarterly)														0	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
4.2.3	PAC (Quarterly)														0	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
4.2.4	TWDB (Quarterly)														0	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
4.2.5	Public (Quarterly)														0	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
4.3	Program Schedule Evaluation	6	</																							





Alliance Regional Water Authority														Project Fee Summary												
Owner's Representative / Program Management (Work Order No. 7)														Total Effort	\$ 1,622,327											
2/2/2023																										
Detailed Overall Kimley-Horn Cost Breakdown																										
Scope of Services																										
Task	Project Role	QA/QC / Senior Mgr / Principal	Senior Tech. Avs / Deputy Prj Mgr	Senior Engineer	GIS Specialist	Civil Engineer	IT Professional	GIS Developer	CADD Operator / Senior Technician	Engineer-in-Training II	Engineer-in-Training I	GIS Analyst	Administrative Staff / Technician	Total Hours	Total Labor Effort	Total Expense Effort	Foster CM Group	CP&Y	Grubb	Spitzer	V&A	Total Sub Effort	Total Effort	Assumptions		
	Hourly Bill Rate	\$290.00	\$245.00	\$200.00	\$180.00	\$185.00	\$155.00	\$170.00	\$145.00	\$160.00	\$135.00	\$140.00	\$100.00													
11.10.1	Hydrogeology / Well Drilling													0	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -		
11.10.2	Raw Water Facilities													0	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -		
11.10.3	WTP / HSPS													0	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -		
11.10.4	Pipelines													0	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -		
11.10.5	Administrative Building and Operations Center													0	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -		
11.10.6	BPS & Delivery Points													0	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -		
11.10.7	Elevated Storage Tanks	3	6											9	\$ 2,340	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 2,340		
11.10.8	Program Survey													0	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -		
<b>Task 12 - Quality Assurance</b>															\$ 3,630	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 3,630	
12.1	Review the QA/QC Plans prepared by the Consultants based on PMP	1	3			1								5	\$ 1,210	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,210		
12.2	Perform regular coordination with all Consultants on QA/QC imp.	1	3			1								5	\$ 1,210	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,210		
12.3	Review/Receive QA/QC documentation from Consultants	1	3			1								5	\$ 1,210	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,210		
<b>Task 13 - Electrical Power Planning</b>															\$ 2,375	\$ -	\$ -	\$ -	\$ 4,950	\$ -	\$ -	\$ -	\$ 4,950	\$ 7,325		
13.1	Perform Prelim. Analyses to determine approx. demand and energy													0	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -		
13.2	Develop a strategy for cont., gathering system quality, and reliability data	1				1								2	\$ 475	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 475		
13.3	Coordination with Electrical Service Providers to evaluate costs													0	\$ -	\$ -	\$ -	\$ 990	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 990		
13.4	Assist Alliance Water with negotiations on the electrical supply agr.													0	\$ -	\$ -	\$ -	\$ 990	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 990		
13.5	Assist Alliance Water by defining special equipment needs	1				1								2	\$ 475	\$ -	\$ -	\$ 1,980	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,980		
13.6	Alliance Water and Electrical Service Providers Coord. Meetings	3				3								6	\$ 1,425	\$ -	\$ -	\$ 990	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 990		
<b>Task 14 - Permit Coordination/Tracking</b>															\$ 2,850	\$ -	\$ -	\$ 16,852	\$ -	\$ -	\$ -	\$ 16,852	\$ 19,702			
14.1	Perform regular coordination with Consultants	1												1	\$ 290	\$ -	\$ -	\$ 2,442	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 2,442		
14.2	Incorporate permit updates from Consultants into master tracking list	2												2	\$ 580	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 580		
14.3	Management of Permit Submittal	3				6								9	\$ 1,980	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,980		
14.3.1	TCEQ													0	\$ -	\$ -	\$ 4,972	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 4,972		
14.3.2	TxDOT - Design Consultants													0	\$ -	\$ -	\$ 6,996	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 6,996		
14.3.3	UPRR													0	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -		
14.3.4	Counties (Hays, Caldwell, Guadalupe)													0	\$ -	\$ -	\$ 2,442	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 2,442		
14.3.5	Cities (Kyle, San Marcos, Umland, Lockhart, Maxwell, others)													0	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -		
14.3.6	Private utilities													0	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -		
<b>Task 15 - Procurement and Construction Phase Services</b>															\$ 115,985	\$ -	\$ -	\$ 169,147	\$ -	\$ -	\$ -	\$ 169,147	\$ 285,132			
15.1	Management and Coordination of Hydrogeology/Well Drilling													0	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -		
	Procurement Services													0	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -		
	Pre-Proposal Meeting													0	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -		
	Addenda Review													0	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -		
	Proposal Evaluation and Recommendation													0	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -		
	Committee and Board Items													0	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -		
	Execution of Contract													0	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -		
	Construction Phase Services													0	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -		
	Administration													0	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -		
	Preconstruction Meetings													0	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -		
	Monthly Construction Meetings													0	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -		
	Construction Activities													0	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -		
	Submittals													0	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -		
	Substitutions													0	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -		
	Request for Information													0	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -		
	Pay Request													0	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -		
	Defective Work													0	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -		
	Change Orders													0	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -		
	Record Drawings													0	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -		
	Commissioning													0	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -		
	Substantial Completion													0	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -		
	Final Walkthrough													0	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -		
	Warranty Walkthrough													0	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -		
15.2	Management and Coordination of Well Pumps and Raw Water Inf.													0	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -		
	Procurement Services													0	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -		
	Pre-Proposal Meeting													0	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -		
	Addenda Review													0	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -		
	Proposal Evaluation and Recommendation													0	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -		
	Committee and Board Items													0	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -		
	Execution of Contract													0	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -		
	Construction Phase Services													0	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -		
	Administration		3											3	\$ 870	\$ -	\$ 1,760	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,760	\$ 2,630	
	Preconstruction Meetings													0	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -		
	Monthly Construction Meetings		2											2	\$ 580	\$ -	\$ 1,760	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,760	
	Construction Activities													0	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -		
	Submittals		2											2	\$ 580	\$ -	\$ 11,319	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 11,319	
	Substitutions													0	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -		
	Request for Information		2											2	\$ 580	\$ -	\$ 3,740	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 3,740	
	Pay Request		1											1	\$ 290	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 290	
	Defective Work													0	\$ -	\$ -	\$ 2,838	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 2,838	
	Change Orders													2	\$ 580	\$ -	\$ 3,740	\$ -	\$ -	\$ -						







<b>Alliance Water</b>						<b>Project Fee Summary</b>		
<b>Owners Representative</b>						<b>Total Effort</b>	\$	93,880
<b>2/2/2023</b>								
<b>Detailed Overall Foster CM Group Cost Breakdown</b>								

<b>Basic Services</b>									
Task	Project Role	Senior Scheduler	Document Control Specialist		Total Hours	Total Labor Effort	Total Expense Effort	Total Effort	Assumptions
	Hourly Bill Rate	\$220.00	\$130.00						
<b>Task 1 - Program Management Plan Updates</b>									
1.10	Budget and Funding Protocol				0	\$ -	\$ -	\$ -	
1.11	Schedule Protocol				0	\$ -	\$ -	\$ -	
<b>Task 2 - Stakeholder Coordination</b>									
2.13	Internal Program Monthly Meetings	12			12	\$ 2,640	\$ -	\$ 2,640	
<b>Task 3 - Budgeting</b>									
3.1	Perform Monthly Budget Updates	240			240	\$ 52,800	\$ -	\$ 52,800	
3.1.1	Track costs to the Phase 1B Program vs. the anticipated budget				0	\$ -	\$ -	\$ -	
3.1.2	Coordinate with applicable parties to receive current OPCC data				0	\$ -	\$ -	\$ -	
3.1.3	Identify budget deviations and coordinate with applicable parties				0	\$ -	\$ -	\$ -	
3.2	Prepare Budget Updates				0	\$ -	\$ -	\$ -	
3.2.1	Executive Director (Monthly)	16			16	\$ 3,520	\$ -	\$ 3,520	
3.2.2	Alliance Water Board and Technical Committee (Quarterly)				0	\$ -	\$ -	\$ -	
3.2.3	PAC (Quarterly)				0	\$ -	\$ -	\$ -	
3.2.4	TWDB (Quarterly)				0	\$ -	\$ -	\$ -	
3.2.5	Public (Quarterly)				0	\$ -	\$ -	\$ -	
3.3	Program Cost Evaluation				0	\$ -	\$ -	\$ -	
<b>Task 4 - Schedule</b>									
4.1	Perform Monthly Schedule Updates	96			96	\$ 21,120	\$ -	\$ 21,120	
4.1.1	Coordinate with applicable parties to obtain current schedules				0	\$ -	\$ -	\$ -	
4.1.2	Identify schedule deviations and coordinate with applicable parties				0	\$ -	\$ -	\$ -	
4.1.3	Special updates will be performed when critical info becomes known				0	\$ -	\$ -	\$ -	
<b>Task 5 - Reporting</b>									
<b>Task 6 - Data Management</b>									
6.1	Overall Data Management		96		96	\$ 12,480	\$ -	\$ 12,480	
6.1.1	Perform admin. Support functions for overall project record keeping				0	\$ -	\$ -	\$ -	
6.1.2	Enter information into applicable data management system				0	\$ -	\$ -	\$ -	
6.1.3	Distribute updated contract documents				0	\$ -	\$ -	\$ -	
6.1.4	Prepare, manage, record, distribute and archive documentation				0	\$ -	\$ -	\$ -	
6.1.5	Log receipt of all documents and inquiries requiring a response				0	\$ -	\$ -	\$ -	
6.1.6	Review supporting documents for conformance with PMP				0	\$ -	\$ -	\$ -	
6.1.7	Maintain project records				0	\$ -	\$ -	\$ -	
6.1.8	Maintain change management logs, RFI logs, RFP logs, Submittal logs				0	\$ -	\$ -	\$ -	
6.1.9	Perform internal audits for quality assurance of overall documents				0	\$ -	\$ -	\$ -	
<b>Task 7 - Environmental Management</b>									
<b>Task 8 - Land Acquisition Management</b>									
<b>Task 9 - Texas Water Development Board Management</b>									
<b>Task 10 - Design Standards Updates</b>									
<b>Task 11 - Engineering Design Management</b>									

<b>Alliance Water</b>				<b>Project Fee Summary</b>			
Owners Representative				Total Effort	\$ 93,880		
2/2/2023							
Detailed Overall Foster CM Group Cost Breakdown							

Basic Services									
Task	Project Role	Senior Scheduler	Document Control Specialist		Total Hours	Total Labor Effort	Total Expense Effort	Total Effort	Assumptions
	Hourly Bill Rate	\$220.00	\$130.00						
	<b>Task 12 - Quality Assurance</b>					\$ -	\$ -	\$ -	
	<b>Task 13 - Electrical Power Planning</b>					\$ -	\$ -	\$ -	
	<b>Task 14 - Permit Coordination/Tracking</b>					\$ -	\$ -	\$ -	
	<b>Task 15 - Procurement and Construction Phase Services</b>					\$ -	\$ -	\$ -	
	<b>Task 16 - Project Administration</b>					\$ 1,320	\$ -	\$ 1,320	
16.1	Invoicing	6			6	\$ 1,320		\$ 1,320	
16.2	Project Management				0	\$ -		\$ -	
	<b>Task 17 - Other Services</b>					\$ -	\$ -	\$ -	
	<b>Task 18 - Environmental Construction Phase Services</b>					\$ -	\$ -	\$ -	
					<b>Grand Total</b>	\$ 93,880	\$ -	\$ 93,880	

<b>Alliance Water</b> <b>Owners Representative</b> <b>2/2/2023</b> <b>Detailed Overall CPY Group Cost Breakdown</b>	<b>Project Fee Summary</b> Total Effort \$ 648,524
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Basic Services																		Total Hours	Total Labor Effort	Total Expense Effort	Total Effort	Assumptions
Task	Project Role	QA/QC / Senior Mngr / Principal	Senior Tech. Avis / Deputy Prj Mngr	Senior Instrumentation / Electrical Engineer	Senior Environmental Manager	Senior Engineer	Civil Engineer	Senior Biologist	Instrumentation / Electrical Engineer	CADD Operator / Senior Technician	Engineer-in-Training II	Engineer-in-Training I	Biologist	GIS Analyst	Administrative Staff / Technician	Archeologist	Senior Historian					
	Hourly Bill Rate	\$290.00	\$245.00	\$225.00	\$200.00	\$200.00	\$185.00	\$165.00	\$170.00	\$145.00	\$160.00	\$135.00	\$120.00	\$140.00	\$100.00	\$85.00	\$110.00					
<b>Task 1 - Program Management Plan Updates</b>																			\$ -	\$ -	\$ -	
<b>Task 2 - Stakeholder Coordination</b>																			\$ 45,340	\$ -	\$ 45,340	
2.1	Stakeholder Identification																	0	\$ -	\$ -	\$ -	
2.2	Initial and/or Ongoing Coordination																	0	\$ -	\$ -	\$ -	
2.2.1	Executive Director																	0	\$ -	\$ -	\$ -	
2.2.2	Technical Committee and Board		4															4	\$ 980	\$ -	\$ 980	
2.2.3	PAC		4															4	\$ 980	\$ -	\$ 980	
2.2.4	Other Alliance Water Consulting Services																	0	\$ -	\$ -	\$ -	
2.2.5	Texas Commission on Environmental Quality																	0	\$ -	\$ -	\$ -	
2.2.6	Texas Department of Transportation																	0	\$ -	\$ -	\$ -	
2.2.7	Union Pacific Railroad																	0	\$ -	\$ -	\$ -	
2.2.8	Counties (Hays, Caldwell, Guadalupe)																	0	\$ -	\$ -	\$ -	
2.2.9	Cities (Kyle, San Marcos, Umland, Lockhart, Maxwell, others)																	0	\$ -	\$ -	\$ -	
2.2.10	GBRA and/or its Consultants																	0	\$ -	\$ -	\$ -	
2.2.11	Other Utilities/Entities																	0	\$ -	\$ -	\$ -	
2.3	Alliance Water Executive Director coordination meetings		24			24	24	24										96	\$ 19,080	\$ -	\$ 19,080	
2.4	Alliance Water Technical Committee and Board Meetings																	0	\$ -	\$ -	\$ -	
2.5	PAC Meetings		4															4	\$ 980	\$ -	\$ 980	
2.6	Other ARWA Consulting Services - as part of Coord. Mtg. with ED.																	0	\$ -	\$ -	\$ -	
2.7	Texas Commission on Environmental Quality - Meetings		8				8											16	\$ 3,440	\$ -	\$ 3,440	
2.8	Texas Department of Transportation - Meetings																	0	\$ -	\$ -	\$ -	
2.9	Union Pacific Railroad - Meetings																	0	\$ -	\$ -	\$ -	
2.10	Counties - Meetings					4												4	\$ 800	\$ -	\$ 800	
2.11	Cities - Meetings																	0	\$ -	\$ -	\$ -	
2.12	Other Utilities/Entities - Meetings																	0	\$ -	\$ -	\$ -	
2.13	Internal Program Monthly Meetings		24			24	24	24										96	\$ 19,080	\$ -	\$ 19,080	
<b>Task 3 - Budgeting</b>																			\$ -	\$ -	\$ -	
<b>Task 4 - Schedule</b>																			\$ -	\$ -	\$ -	
<b>Task 5 - Reporting</b>																			\$ -	\$ -	\$ -	
<b>Task 6 - Data Management</b>																			\$ -	\$ -	\$ -	
<b>Task 7 - Environmental Management</b>																			\$ 23,760	\$ -	\$ 23,760	
7.1	Perform regular coordination with Env. Cons.							40										40	\$ 6,600	\$ -	\$ 6,600	
7.2	Ongoing agency coordination																	0	\$ -	\$ -	\$ -	
7.2.1	United States Army Corps of Engineers (USACE)							4										4	\$ 660	\$ -	\$ 660	
7.2.2	Texas Parks and Wildlife Department (TPWD)																	0	\$ -	\$ -	\$ -	
7.2.3	Local floodplain administrators																	0	\$ -	\$ -	\$ -	
7.3	Assist with the review of Env. Cons. monthly invoices							16										16	\$ 2,640	\$ -	\$ 2,640	
7.4	Continuous tracking of Env. Cons. Scope of work & amendments							8										8	\$ 1,320	\$ -	\$ 1,320	
7.5	Perform as-needed site visits with Env Cons. during Field Study																	0	\$ -	\$ -	\$ -	
7.6	Coordinated site visits with those identified in Task 8 and 11																	0	\$ -	\$ -	\$ -	
7.7	Review and comment on Environmental Permitting Documents																	0	\$ -	\$ -	\$ -	
7.7.1	USACE																	0	\$ -	\$ -	\$ -	
7.7.2	TPWD																	0	\$ -	\$ -	\$ -	
7.7.3	United States Fish and Wildlife Service (USFWS)																	0	\$ -	\$ -	\$ -	
7.7.4	Texas Historical Commission (THC)							16										16	\$ 2,640	\$ -	\$ 2,640	
7.8	Review and comment on TWDB deliverables by Env. Cons.							8										8	\$ 1,320	\$ -	\$ 1,320	
7.9	Other Environmental Services as defined by Alliance Water							40										40	\$ 6,600	\$ -	\$ 6,600	
7.10	Environmental Agency meetings (USACE, USFWS, TPWD, THC)							6										6	\$ 990	\$ -	\$ 990	
7.11	Environmental Consultant Team progress meetings							6										6	\$ 990	\$ -	\$ 990	
<b>Task 8 - Land Acquisition Management</b>																			\$ -	\$ -	\$ -	
<b>Task 9 - Texas Water Development Board Management</b>																			\$ 54,760	\$ -	\$ 54,760	
9.1	Identify milestone deliverables and provide feedback on CP schedule						40											40	\$ 7,400	\$ -	\$ 7,400	
9.2	Review TWDB deliverables for conformance to TWDB requirements						100											100	\$ 18,500	\$ -	\$ 18,500	
9.3	Perform regular coordination with the TWDB to discuss ongoing actions						60											60	\$ 11,100	\$ -	\$ 11,100	
9.4	Prepare fund release request letters for submission to TWDB						48											48	\$ 8,880	\$ -	\$ 8,880	
9.5	TWDB progress meeting						48											48	\$ 8,880	\$ -	\$ 8,880	
<b>Task 10 - Design Standards Updates</b>																			\$ -	\$ -	\$ -	
<b>Task 11 - Engineering Design Management</b>																			\$ 6,760	\$ -	\$ 6,760	
11.1	Management and Coordination of Hydrogeology/Well Drilling																	0	\$ -	\$ -	\$ -	
	Identify early actions required																	0	\$ -	\$ -	\$ -	
	Assist with the development and review of project scope for the DC																	0	\$ -	\$ -	\$ -	
	Assist with the review of proposed LOE developed by the DC																	0	\$ -	\$ -	\$ -	
	Assist with the review of Design Consultants monthly invoices																	0	\$ -	\$ -	\$ -	
	Perform regular coordination with the DC to discuss ongoing tasks																	0	\$ -	\$ -	\$ -	
	Perform as-needed site visits with Design Consultants																	0	\$ -	\$ -	\$ -	
	Review/Comment on TWDB EFR deliverables prepared by DC																	0	\$ -	\$ -	\$ -	
	Review/Comment on milestone submittals prepared by DC																	0	\$ -	\$ -	\$ -	
	Review/Comment on OPCC's prepared by DC																	0	\$ -	\$ -	\$ -	
	Other Design-related services as assigned by Alliance Water																	0	\$ -	\$ -	\$ -	
11.2	Management and Coordination of Well Pumps and Raw Water Inf.																	0	\$ -	\$ -	\$ -	
	Identify early actions required																	0	\$ -	\$ -	\$ -	
	Assist with the development and review of project scope for the DC																	0	\$ -	\$ -	\$ -	

<b>Alliance Water</b> <b>Owners Representative</b> <b>2/2/2023</b> <b>Detailed Overall CPY Group Cost Breakdown</b>	<b>Project Fee Summary</b> Total Effort \$ 648,524
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Basic Services																						
Task	Project Role	QA/QC / Senior Mgr / Principal	Senior Tech. Advis / Deputy Prj Mgr	Senior Instrumentation / Electrical Engineer	Senior Environmental Manager	Senior Engineer	Civil Engineer	Senior Biologist	Instrumentation / Electrical Engineer	CADD Operator / Senior Technician	Engineer-in-Training II	Engineer-in-Training I	Biologist	GIS Analyst	Administrative Staff / Technician	Archeologist	Senior Historian	Total Hours	Total Labor Effort	Total Expense Effort	Total Effort	Assumptions
	Hourly Bill Rate	\$290.00	\$245.00	\$225.00	\$200.00	\$200.00	\$185.00	\$165.00	\$170.00	\$145.00	\$160.00	\$135.00	\$120.00	\$140.00	\$100.00	\$85.00	\$110.00					
	Assist with the review of proposed LOE developed by the DC					8												0	\$ -	\$ -	\$ -	
	Assist with the review of Design Consultants monthly invoices																	8	\$ 1,600	\$ -	\$ 1,600	
	Perform regular coordination with the DC to discuss ongoing tasks																	0	\$ -	\$ -	\$ -	
	Perform as-needed site visits with Design Consultants																	0	\$ -	\$ -	\$ -	
	Review/Comment on TWDB EFR deliverables prepared by DC																	0	\$ -	\$ -	\$ -	
	Review/Comment on milestone submittals prepared by DC																	0	\$ -	\$ -	\$ -	
	Review/Comment on OPCC's prepared by DC																	0	\$ -	\$ -	\$ -	
	Other Design-related services as assigned by Alliance Water																	0	\$ -	\$ -	\$ -	
11.3	Management and Coordination of WTP and HSPS																	0	\$ -	\$ -	\$ -	
	Identify early actions required																	0	\$ -	\$ -	\$ -	
	Assist with the development and review of project scope for the DC																	0	\$ -	\$ -	\$ -	
	Assist with the review of proposed LOE developed by the DC																	0	\$ -	\$ -	\$ -	
	Assist with the review of Design Consultants monthly invoices		8															8	\$ 1,960	\$ -	\$ 1,960	
	Perform regular coordination with the DC to discuss ongoing tasks																	0	\$ -	\$ -	\$ -	
	Perform as-needed site visits with Design Consultants																	0	\$ -	\$ -	\$ -	
	Review/Comment on TWDB EFR deliverables prepared by DC																	0	\$ -	\$ -	\$ -	
	Review/Comment on milestone submittals prepared by DC																	0	\$ -	\$ -	\$ -	
	Review/Comment on OPCC's prepared by DC																	0	\$ -	\$ -	\$ -	
	Other Design-related services as assigned by Alliance Water																	0	\$ -	\$ -	\$ -	
11.4	Management and Coordination of Transmission Pipeline (5 Contracts)																	0	\$ -	\$ -	\$ -	
	Identify early actions required																	0	\$ -	\$ -	\$ -	
	Assist with the development and review of project scope for the DC																	0	\$ -	\$ -	\$ -	
	Assist with the review of proposed LOE developed by the DC																	0	\$ -	\$ -	\$ -	
	Assist with the review of Design Consultants monthly invoices					16												16	\$ 3,200	\$ -	\$ 3,200	
	Perform regular coordination with the DC to discuss ongoing tasks																	0	\$ -	\$ -	\$ -	
	Perform as-needed site visits with Design Consultants																	0	\$ -	\$ -	\$ -	
	Review/Comment on TWDB EFR deliverables prepared by DC																	0	\$ -	\$ -	\$ -	
	Review/Comment on milestone submittals prepared by DC																	0	\$ -	\$ -	\$ -	
	Review/Comment on OPCC's prepared by DC																	0	\$ -	\$ -	\$ -	
	Other Design-related services as assigned by Alliance Water																	0	\$ -	\$ -	\$ -	
11.5	Management and Coordination of Admin. Building and Ops. Center																	0	\$ -	\$ -	\$ -	
	Identify early actions required																	0	\$ -	\$ -	\$ -	
	Assist with the development and review of project scope for the DC																	0	\$ -	\$ -	\$ -	
	Assist with the review of proposed LOE developed by the DC																	0	\$ -	\$ -	\$ -	
	Review and provide comments on the PMP prepared by the DC																	0	\$ -	\$ -	\$ -	
	Assist with the review of Design Consultants monthly invoices																	0	\$ -	\$ -	\$ -	
	Perform regular coordination with the DC to discuss ongoing tasks																	0	\$ -	\$ -	\$ -	
	Perform initial windshield survey to review the overall Phase 1B projects																	0	\$ -	\$ -	\$ -	
	Perform as-needed site visits with Design Consultants																	0	\$ -	\$ -	\$ -	
	Review/Comment on TWDB EFR deliverables prepared by DC																	0	\$ -	\$ -	\$ -	
	Review/Comment on milestone submittals prepared by DC																	0	\$ -	\$ -	\$ -	
	Review/Comment on OPCC's prepared by DC																	0	\$ -	\$ -	\$ -	
	Other Design-related services as assigned by Alliance Water																	0	\$ -	\$ -	\$ -	
11.6	Management and Coordination of BPS & Delivery Points																	0	\$ -	\$ -	\$ -	
	Identify early actions required																	0	\$ -	\$ -	\$ -	
	Assist with the development and review of project scope for the DC																	0	\$ -	\$ -	\$ -	
	Assist with the review of proposed LOE developed by the DC																	0	\$ -	\$ -	\$ -	
	Assist with the review of Design Consultants monthly invoices																	0	\$ -	\$ -	\$ -	
	Perform regular coordination with the DC to discuss ongoing tasks																	0	\$ -	\$ -	\$ -	
	Perform as-needed site visits with Design Consultants																	0	\$ -	\$ -	\$ -	
	Review/Comment on TWDB EFR deliverables prepared by DC																	0	\$ -	\$ -	\$ -	
	Review/Comment on milestone submittals prepared by DC																	0	\$ -	\$ -	\$ -	
	Review/Comment on OPCC's prepared by DC																	0	\$ -	\$ -	\$ -	
	Other Design-related services as assigned by Alliance Water																	0	\$ -	\$ -	\$ -	
11.7	Management and Coordination of Elevated Storage Tanks																	0	\$ -	\$ -	\$ -	
	Identify early actions required																	0	\$ -	\$ -	\$ -	
	Assist with the development and review of project scope for the DC																	0	\$ -	\$ -	\$ -	
	Assist with the review of proposed LOE developed by the DC																	0	\$ -	\$ -	\$ -	
	Assist with the review of Design Consultants monthly invoices																	0	\$ -	\$ -	\$ -	
	Perform regular coordination with the DC to discuss ongoing tasks																	0	\$ -	\$ -	\$ -	
	Perform as-needed site visits with Design Consultants																	0	\$ -	\$ -	\$ -	
	Review/Comment on TWDB EFR deliverables prepared by DC																	0	\$ -	\$ -	\$ -	
	Review/Comment on milestone submittals prepared by DC																	0	\$ -	\$ -	\$ -	
	Review/Comment on OPCC's prepared by DC																	0	\$ -	\$ -	\$ -	
	Other Design-related services as assigned by Alliance Water																	0	\$ -	\$ -	\$ -	
11.8	Management and Coordination of Program Survey																	0	\$ -	\$ -	\$ -	
	Identify early actions required																	0	\$ -	\$ -	\$ -	
	Assist with the development and review of project scope for the DC																	0	\$ -	\$ -	\$ -	
	Assist with the review of proposed LOE developed by the DC																	0	\$ -	\$ -	\$ -	
	Assist with the review of Design Consultants monthly invoices																	0	\$ -	\$ -	\$ -	
	Perform regular coordination with the DC to discuss ongoing tasks																	0	\$ -	\$ -	\$ -	
	Perform as-needed site visits with Design Consultants																	0	\$ -	\$ -	\$ -	
	Review/Comment on TWDB EFR deliverables prepared by DC																	0	\$ -	\$ -	\$ -	
	Review/Comment on milestone submittals prepared by DC																	0	\$ -	\$ -	\$ -	
	Review/Comment on OPCC's prepared by DC																	0	\$ -	\$ -	\$ -	

<b>Alliance Water</b> <b>Owners Representative</b> <b>2/2/2023</b> <b>Detailed Overall CPY Group Cost Breakdown</b>	<b>Project Fee Summary</b> Total Effort \$ 648,524
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Basic Services																		Total Hours	Total Labor Effort	Total Expense Effort	Total Effort	Assumptions	
Task	Project Role	QA/QC / Senior Mgr / Principal	Senior Tech. Avis / Deputy Prj Mgr	Senior Instrumentation / Electrical Engineer	Senior Environmental Manager	Senior Engineer	Civil Engineer	Senior Biologist	Instrumentation / Electrical Engineer	CADD Operator / Senior Technician	Engineer-in-Training II	Engineer-in-Training I	Biologist	GIS Analyst	Administrative Staff / Technician	Archeologist	Senior Historian						
	Hourly Bill Rate	\$290.00	\$245.00	\$225.00	\$200.00	\$200.00	\$185.00	\$165.00	\$170.00	\$145.00	\$160.00	\$135.00	\$120.00	\$140.00	\$100.00	\$85.00	\$110.00						
	Other Design-related services as assigned by Alliance Water																		0	\$ -	\$ -	\$ -	
11.9	Commissioning Planning																		0	\$ -	\$ -	\$ -	
11.10	Consultant Design Teams progress meetings																		0	\$ -	\$ -	\$ -	
11.10.1	Hydrogeology / Well Drilling																		0	\$ -	\$ -	\$ -	
11.10.2	Raw Water Facilities																		0	\$ -	\$ -	\$ -	
11.10.3	WTP / HSPS																		0	\$ -	\$ -	\$ -	
11.10.4	Pipelines																		0	\$ -	\$ -	\$ -	
11.10.5	Administrative Building and Operations Center																		0	\$ -	\$ -	\$ -	
11.10.6	BPS & Delivery Points																		0	\$ -	\$ -	\$ -	
11.10.7	Elevated Storage Tanks																		0	\$ -	\$ -	\$ -	
11.10.8	Program Survey																		0	\$ -	\$ -	\$ -	
	<b>Task 12 - Quality Assurance</b>																			\$ -	\$ -	\$ -	
12.1	Review the QA/QC Plans prepared by the Consultants based on PMP																		0	\$ -	\$ -	\$ -	
12.2	Perform regular coordination with all Consultants on QA/QC imp.																		0	\$ -	\$ -	\$ -	
12.3	Review/Receive QA/QC documentation from Consultants																		0	\$ -	\$ -	\$ -	
	<b>Task 13 - Electrical Power Planning</b>																			\$ -	\$ -	\$ -	
13.1	Perform Prelim. Analyses to determine approx. demand and energy																		0	\$ -	\$ -	\$ -	
13.2	Develop a strategy for cont., gathering system quality, and reliability data																		0	\$ -	\$ -	\$ -	
13.3	Coordination with Electrical Service Providers to evaluate costs																		0	\$ -	\$ -	\$ -	
13.4	Assist Alliance Water with negotiations on the electrical supply agr.																		0	\$ -	\$ -	\$ -	
13.5	Assist Alliance Water by defining special equipment needs																		0	\$ -	\$ -	\$ -	
13.6	Alliance Water and Electrical Service Providers Coord. Meetings																		0	\$ -	\$ -	\$ -	
	<b>Task 14 - Permit Coordination/Tracking</b>																			\$ 15,320	\$ -	\$ 15,320	
14.1	Perform regular coordination with Consultants						12												12	\$ 2,220	\$ -	\$ 2,220	
14.2	Incorporate permit updates from Consultants into master tracking list																		0	\$ -	\$ -	\$ -	
14.3	Management of Permit Submittal																		0	\$ -	\$ -	\$ -	
14.3.1	TCEQ		8								16								24	\$ 4,520	\$ -	\$ 4,520	
14.3.2	TxDOT – Design Consultants						24				12								36	\$ 6,360	\$ -	\$ 6,360	
14.3.3	UPRR																		0	\$ -	\$ -	\$ -	
14.3.4	Counties (Hays, Caldwell, Guadalupe)						12												12	\$ 2,220	\$ -	\$ 2,220	
14.3.5	Cities (Kyle, San Marcos, Umland, Lockhart, Maxwell, others)																		0	\$ -	\$ -	\$ -	
14.3.6	Private utilities																		0	\$ -	\$ -	\$ -	
	<b>Task 15 - Procurement and Construction Phase Services</b>																			\$ 153,770	\$ -	\$ 153,770	
15.1	Management and Coordination of Hydrogeology/Well Drilling																		0	\$ -	\$ -	\$ -	
	Procurement Services																		0	\$ -	\$ -	\$ -	
	Pre-Proposal Meeting																		0	\$ -	\$ -	\$ -	
	Addenda Review																		0	\$ -	\$ -	\$ -	
	Proposal Evaluation and Recommendation																		0	\$ -	\$ -	\$ -	
	Committee and Board Items																		0	\$ -	\$ -	\$ -	
	Execution of Contract																		0	\$ -	\$ -	\$ -	
	Construction Phase Services																		0	\$ -	\$ -	\$ -	
	Administration																		0	\$ -	\$ -	\$ -	
	Preconstruction Meetings																		0	\$ -	\$ -	\$ -	
	Monthly Construction Meetings																		0	\$ -	\$ -	\$ -	
	Construction Activities																		0	\$ -	\$ -	\$ -	
	Submittals																		0	\$ -	\$ -	\$ -	
	Substitutions																		0	\$ -	\$ -	\$ -	
	Request for Information																		0	\$ -	\$ -	\$ -	
	Pay Request																		0	\$ -	\$ -	\$ -	
	Defective Work																		0	\$ -	\$ -	\$ -	
	Change Orders																		0	\$ -	\$ -	\$ -	
	Record Drawings																		0	\$ -	\$ -	\$ -	
	Commissioning																		0	\$ -	\$ -	\$ -	
	Substantial Completion																		0	\$ -	\$ -	\$ -	
	Final Walkthrough																		0	\$ -	\$ -	\$ -	
	Warranty Walkthrough																		0	\$ -	\$ -	\$ -	
15.2	Management and Coordination of Well Pumps and Raw Water Inf.																		0	\$ -	\$ -	\$ -	
	Procurement Services																		0	\$ -	\$ -	\$ -	
	Pre-Proposal Meeting																		0	\$ -	\$ -	\$ -	
	Addenda Review																		0	\$ -	\$ -	\$ -	
	Proposal Evaluation and Recommendation																		0	\$ -	\$ -	\$ -	
	Committee and Board Items																		0	\$ -	\$ -	\$ -	
	Execution of Contract																		0	\$ -	\$ -	\$ -	
	Construction Phase Services																		0	\$ -	\$ -	\$ -	
	Administration						8												8	\$ 1,600	\$ -	\$ 1,600	
	Preconstruction Meetings																		0	\$ -	\$ -	\$ -	
	Monthly Construction Meetings						8												8	\$ 1,600	\$ -	\$ 1,600	
	Construction Activities																		0	\$ -	\$ -	\$ -	
	Submittals		6	20		8			16										50	\$ 10,290	\$ -	\$ 10,290	
	Substitutions																		0	\$ -	\$ -	\$ -	

<b>Alliance Water</b> <b>Owners Representative</b> <b>2/2/2023</b> <b>Detailed Overall CPY Group Cost Breakdown</b>	<b>Project Fee Summary</b> Total Effort \$ 648,524
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Basic Services																						
Task	Project Role	QA/QC / Senior Mgr / Principal	Senior Tech. Avis / Deputy Prj Mgr	Senior Instrumentation / Electrical Engineer	Senior Environmental Manager	Senior Engineer	Civil Engineer	Senior Biologist	Instrumentation / Electrical Engineer	CADD Operator / Senior Technician	Engineer-in-Training II	Engineer-in-Training I	Biologist	GIS Analyst	Administrative Staff / Technician	Archeologist	Senior Historian	Total Hours	Total Labor Effort	Total Expense Effort	Total Effort	Assumptions
	Hourly Bill Rate	\$290.00	\$245.00	\$225.00	\$200.00	\$200.00	\$185.00	\$165.00	\$170.00	\$145.00	\$160.00	\$135.00	\$120.00	\$140.00	\$100.00	\$85.00	\$110.00					
	Request for Information			8		8												16	\$ 3,400		\$ 3,400	
	Pay Request																	0	\$ -		\$ -	
	Defective Work		4			8												12	\$ 2,580		\$ 2,580	
	Change Orders			8		8												16	\$ 3,400		\$ 3,400	
	Record Drawings																	0	\$ -		\$ -	
	Commissioning																	0	\$ -		\$ -	
	Substantial Completion																	0	\$ -		\$ -	
	Final Walkthrough			8														8	\$ 1,800		\$ 1,800	
	Warranty Walkthrough																	0	\$ -		\$ -	
15.3	Management and Coordination of WTP and HSPS																	0	\$ -		\$ -	
	Procurement Services																	0	\$ -		\$ -	
	Pre-Proposal Meeting																	0	\$ -		\$ -	
	Addenda Review																	0	\$ -		\$ -	
	Proposal Evaluation and Recommendation																	0	\$ -		\$ -	
	Committee and Board Items																	0	\$ -		\$ -	
	Execution of Contract																	0	\$ -		\$ -	
	Construction Phase Services																	0	\$ -		\$ -	
	Administration		6				8											14	\$ 2,950		\$ 2,950	
	Preconstruction Meetings																	0	\$ -		\$ -	
	Monthly Construction Meetings		6				8											14	\$ 2,950		\$ 2,950	
	Construction Activities																	0	\$ -		\$ -	
	Submittals		8	64			8		20									100	\$ 21,240		\$ 21,240	
	Substitutions		8				8											16	\$ 3,440		\$ 3,440	
	Request for Information		8	64		8	8											88	\$ 19,440		\$ 19,440	
	Pay Request																	0	\$ -		\$ -	
	Defective Work																	0	\$ -		\$ -	
	Change Orders		4	40			8											52	\$ 11,460		\$ 11,460	
	Record Drawings																	0	\$ -		\$ -	
	Commissioning																	0	\$ -		\$ -	
	Substantial Completion																	0	\$ -		\$ -	
	Final Walkthrough			8														8	\$ 1,800		\$ 1,800	
	Warranty Walkthrough																	0	\$ -		\$ -	
15.4	Management and Coordination of Transmission Pipeline (5 Contracts)																	0	\$ -		\$ -	
	Procurement Services																	0	\$ -		\$ -	
	Pre-Proposal Meeting																	0	\$ -		\$ -	
	Addenda Review																	0	\$ -		\$ -	
	Proposal Evaluation and Recommendation																	0	\$ -		\$ -	
	Committee and Board Items																	0	\$ -		\$ -	
	Execution of Contract																	0	\$ -		\$ -	
	Construction Phase Services																	0	\$ -		\$ -	
	Administration					48					20							68	\$ 12,800		\$ 12,800	
	Preconstruction Meetings					4												4	\$ 800		\$ 800	
	Monthly Construction Meetings					24					12							36	\$ 6,720		\$ 6,720	
	Construction Activities																	0	\$ -		\$ -	
	Submittals			16		24					12							52	\$ 10,320		\$ 10,320	
	Substitutions																	0	\$ -		\$ -	
	Request for Information			8		12					12							32	\$ 6,120		\$ 6,120	
	Pay Request																	0	\$ -		\$ -	
	Defective Work																	0	\$ -		\$ -	
	Change Orders																	0	\$ -		\$ -	
	Record Drawings			8														8	\$ 1,800		\$ 1,800	
	Commissioning																	0	\$ -		\$ -	
	Substantial Completion																	0	\$ -		\$ -	
	Final Walkthrough			8														8	\$ 1,800		\$ 1,800	
	Warranty Walkthrough																	0	\$ -		\$ -	
15.5	Management and Coordination of Admin. Building and Ops. Center																	0	\$ -		\$ -	
	Procurement Services																	0	\$ -		\$ -	
	Pre-Proposal Meeting																	0	\$ -		\$ -	
	Addenda Review																	0	\$ -		\$ -	
	Proposal Evaluation and Recommendation																	0	\$ -		\$ -	
	Committee and Board Items																	0	\$ -		\$ -	
	Execution of Contract																	0	\$ -		\$ -	
	Construction Phase Services																	0	\$ -		\$ -	
	Administration																	0	\$ -		\$ -	
	Preconstruction Meetings																	0	\$ -		\$ -	
	Monthly Construction Meetings																	0	\$ -		\$ -	
	Construction Activities																	0	\$ -		\$ -	
	Submittals																	0	\$ -		\$ -	
	Substitutions																	0	\$ -		\$ -	
	Request for Information																	0	\$ -		\$ -	
	Pay Request																	0	\$ -		\$ -	
	Defective Work																	0	\$ -		\$ -	
	Change Orders																	0	\$ -		\$ -	
	Record Drawings																	0	\$ -		\$ -	
	Commissioning																	0	\$ -		\$ -	



<b>Alliance Water</b> <b>Owners Representative</b> <b>2/2/2023</b> <b>Detailed Overall CPY Group Cost Breakdown</b>	<b>Project Fee Summary</b> Total Effort \$ 648,524
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Basic Services																						
Task	Project Role	QA/QC / Senior Mgr / Principal	Senior Tech. Adv. / Deputy Prj Mgr	Senior Instrumentation / Electrical Engineer	Senior Environmental Manager	Senior Engineer	Civil Engineer	Senior Biologist	Instrumentation / Electrical Engineer	CADD Operator / Senior Technician	Engineer-in-Training II	Engineer-in-Training I	Biologist	GIS Analyst	Administrative Staff / Technician	Archeologist	Senior Historian	Total Hours	Total Labor Effort	Total Expense Effort	Total Effort	Assumptions
	Hourly Bill Rate	\$290.00	\$245.00	\$225.00	\$200.00	\$200.00	\$185.00	\$165.00	\$170.00	\$145.00	\$160.00	\$135.00	\$120.00	\$140.00	\$100.00	\$85.00	\$110.00					
15.6	Substantial Completion																	0	\$ -	\$ -	\$ -	
	Final Walkthrough																	0	\$ -	\$ -	\$ -	
	Warranty Walkthrough																	0	\$ -	\$ -	\$ -	
	Management and Coordination of BPS & Delivery Points																	0	\$ -	\$ -	\$ -	
	Procurement Services																	0	\$ -	\$ -	\$ -	
	Pre-Proposal Meeting																	0	\$ -	\$ -	\$ -	
	Addenda Review																	0	\$ -	\$ -	\$ -	
	Proposal Evaluation and Recommendation																	0	\$ -	\$ -	\$ -	
	Committee and Board Items																	0	\$ -	\$ -	\$ -	
	Execution of Contract																	0	\$ -	\$ -	\$ -	
	Construction Phase Services																	0	\$ -	\$ -	\$ -	
	Administration			12														12	\$ 2,700	\$ 2,700	\$ 2,700	
	Preconstruction Meetings																	0	\$ -	\$ -	\$ -	
	Monthly Construction Meetings																	0	\$ -	\$ -	\$ -	
	Construction Activities																	0	\$ -	\$ -	\$ -	
	Submittals			16					16									32	\$ 6,320	\$ 6,320	\$ 6,320	
	Substitutions			16														16	\$ 3,600	\$ 3,600	\$ 3,600	
	Request for Information																	0	\$ -	\$ -	\$ -	
	Pay Request																	0	\$ -	\$ -	\$ -	
	Defective Work																	0	\$ -	\$ -	\$ -	
	Change Orders			8														8	\$ 1,800	\$ 1,800	\$ 1,800	
	Record Drawings			4					4									8	\$ 1,580	\$ 1,580	\$ 1,580	
	Commissioning																	0	\$ -	\$ -	\$ -	
	Substantial Completion																	0	\$ -	\$ -	\$ -	
	Final Walkthrough			8														8	\$ 1,800	\$ 1,800	\$ 1,800	
	Warranty Walkthrough																	0	\$ -	\$ -	\$ -	
15.7	Management and Coordination of Elevated Storage Tanks																	0	\$ -	\$ -	\$ -	
	Procurement Services																	0	\$ -	\$ -	\$ -	
	Pre-Proposal Meeting																	0	\$ -	\$ -	\$ -	
	Addenda Review			4														4	\$ 900	\$ 900	\$ 900	
	Proposal Evaluation and Recommendation																	0	\$ -	\$ -	\$ -	
	Committee and Board Items																	0	\$ -	\$ -	\$ -	
	Execution of Contract																	0	\$ -	\$ -	\$ -	
	Construction Phase Services																	0	\$ -	\$ -	\$ -	
	Administration																	0	\$ -	\$ -	\$ -	
	Preconstruction Meetings																	0	\$ -	\$ -	\$ -	
	Monthly Construction Meetings																	0	\$ -	\$ -	\$ -	
	Construction Activities																	0	\$ -	\$ -	\$ -	
	Submittals			16					8									24	\$ 4,960	\$ 4,960	\$ 4,960	
	Substitutions																	0	\$ -	\$ -	\$ -	
	Request for Information																	0	\$ -	\$ -	\$ -	
	Pay Request																	0	\$ -	\$ -	\$ -	
	Defective Work																	0	\$ -	\$ -	\$ -	
	Change Orders																	0	\$ -	\$ -	\$ -	
	Record Drawings																	0	\$ -	\$ -	\$ -	
	Commissioning																	0	\$ -	\$ -	\$ -	
	Substantial Completion																	0	\$ -	\$ -	\$ -	
	Final Walkthrough			8														8	\$ 1,800	\$ 1,800	\$ 1,800	
	Warranty Walkthrough																	0	\$ -	\$ -	\$ -	
15.8	Management and Coordination of Program Survey																	0	\$ -	\$ -	\$ -	
	Procurement Services																	0	\$ -	\$ -	\$ -	
	Pre-Proposal Meeting																	0	\$ -	\$ -	\$ -	
	Addenda Review																	0	\$ -	\$ -	\$ -	
	Proposal Evaluation and Recommendation																	0	\$ -	\$ -	\$ -	
	Committee and Board Items																	0	\$ -	\$ -	\$ -	
	Execution of Contract																	0	\$ -	\$ -	\$ -	
	Construction Phase Services																	0	\$ -	\$ -	\$ -	
	Administration																	0	\$ -	\$ -	\$ -	
	Preconstruction Meetings																	0	\$ -	\$ -	\$ -	
	Monthly Construction Meetings																	0	\$ -	\$ -	\$ -	
	Construction Activities																	0	\$ -	\$ -	\$ -	
	Submittals																	0	\$ -	\$ -	\$ -	
	Substitutions																	0	\$ -	\$ -	\$ -	
	Request for Information																	0	\$ -	\$ -	\$ -	
	Pay Request																	0	\$ -	\$ -	\$ -	
	Defective Work																	0	\$ -	\$ -	\$ -	
	Change Orders																	0	\$ -	\$ -	\$ -	
	Record Drawings																	0	\$ -	\$ -	\$ -	
	Commissioning																	0	\$ -	\$ -	\$ -	
	Substantial Completion																	0	\$ -	\$ -	\$ -	
	Final Walkthrough																	0	\$ -	\$ -	\$ -	
	Warranty Walkthrough																	0	\$ -	\$ -	\$ -	
<b>Task 16 - Project Administration</b>																						

Alliance Water Owners Representative 2/2/2023 Detailed Overall CPY Group Cost Breakdown																Project Fee Summary		
																Total Effort	\$	648,524

Basic Services																						
Task	Project Role	QA/QC / Senior Mng'r / Principal	Senior Tech. Adv. / Deputy Prj Mng'r	Senior Instrumentation / Electrical Engineer	Senior Environmental Manager	Senior Engineer	Civil Engineer	Senior Biologist	Instrumentation / Electrical Engineer	CADD Operator / Senior Technician	Engineer-in-Training II	Engineer-in-Training I	Biologist	GIS Analyst	Administrative Staff / Technician	Archeologist	Senior Historian	Total Hours	Total Labor Effort	Total Expense Effort	Total Effort	Assumptions
	Hourly Bill Rate	\$290.00	\$245.00	\$225.00	\$200.00	\$200.00	\$185.00	\$165.00	\$170.00	\$145.00	\$160.00	\$135.00	\$120.00	\$140.00	\$100.00	\$85.00	\$110.00					
16.1	Invoicing																	0	\$ -	\$ -	\$ -	
16.2	Project Management																	0	\$ -	\$ -	\$ -	
	<b>Task 17 - Other Services</b>																		\$ 106,660	\$ -	\$ 106,660	
17.1	Water Quality Testing and Coordination																	0	\$ -	\$ -	\$ -	
17.2	TCEQ Exception Request and Interconnect Submittals	40				24	60			8		80						212	\$ 39,460	\$ -	\$ 39,460	
17.3	Other design tasks as assigned by Alliance Water	40		24		40	80			40		160						384	\$ 67,200	\$ -	\$ 67,200	
17.4	AWIA, ERP, and SB3 Reports for ARWA Facilities																	0	\$ -	\$ -	\$ -	
	<b>Task 18 - Environmental Construction Phase Services</b>																		\$ 175,065	\$ 67,089	\$ 242,154	
18.1	Pre-Construction Meeting with Contractor							97										97	\$ 16,005	\$ -	\$ 16,005	
18.2	Migratory Bird Nest Survey							456					456	24				936	\$ 133,320	\$ 33,936	\$ 167,256	
18.3	Cultural Resources							16										16	\$ 2,640	\$ -	\$ 2,640	
18.4	Encountered Protected Species							24										24	\$ 3,960	\$ 9,413	\$ 13,373	
18.5	USACE Compliance and Reporting							40					60	24				124	\$ 17,160	\$ 6,502	\$ 23,662	
18.6	Hazardous Material On-Call							12										12	\$ 1,980	\$ 17,238	\$ 19,218	
																		Grand Total	\$ 581,435	\$ 67,089	\$ 648,524	

<b>Alliance Water</b>										<b>Project Fee Summary</b>			
Owners Representative 2/2/2023										Total Effort	\$	5,000	
<b>Detailed Overall Grubb Cost Breakdown</b>													

Basic Services														
Task	Project Role	QA/QC / Senior Mngnr / Principal	Senior Tech. / Deputy Prj Mngnr	Senior Engineer	Civil Engineer	CADD Operator / Senior Technician	Engineer-in-Training II	Engineer-in-Training I	Administrative Staff / Technician	Total Hours	Total Labor Effort	Total Expense Effort	Total Effort	Assumptions
	Hourly Bill Rate	\$290.00	\$245.00	\$200.00	\$185.00	\$145.00	\$160.00	\$135.00	\$100.00					
<b>Task 13 - Electrical Power Planning</b>														
13.1	Perform Prelim. Analyses to determine approx. demand and energy									0	\$ -	\$ -	\$ -	
13.2	Develop a strategy for cont., gathering system quality, and reliability data									0	\$ -	\$ -	\$ -	
13.3	Coordination with Electrical Service Providers to evaluate costs	2					2			4	\$ 900	\$ 900	\$ 900	
13.4	Assist Alliance Water with negotiations on the electrical supply agr.	2					2			4	\$ 900	\$ 900	\$ 900	
13.5	Assist Alliance Water by defining special equipment needs	4					4			8	\$ 1,800	\$ 1,800	\$ 1,800	
13.6	Alliance Water and Electrical Service Providers Coord. Meetings	2					2			4	\$ 900	\$ 900	\$ 900	
<b>Task 16 - Project Administration</b>														
16.1	Invoicing								5	5	\$ 500	\$ 500	\$ 500	
16.2	Project Management									0	\$ -	\$ -	\$ -	
<b>Grand Total</b>											\$ 5,000	\$ -	\$ 5,000	

<b>Alliance Water</b> <b>Owners Representative</b> <b>2/2/2023</b> <b>Detailed Overall Spitzer Cost Breakdown</b>	<b>Project Fee Summary</b>	
	<b>Total Effort</b>	\$ 253,970

Basic Services										
Task	Project Role	Property Acquisition Manager	Acquisition / Title Specialist	Document Control Specialist		Total Hours	Total Labor Effort	Total Expense Effort	Total Effort	Assumptions
	Hourly Bill Rate	\$250.00	\$150.00	\$130.00						
	<b>Task 1 - Program Management Plan Updates</b>									
1.6	Land Acquisition Protocol					0	\$ -	\$ -	\$ -	
	<b>Task 2 - Stakeholder Coordination</b>									
2.3	Alliance Water Executive Director coordination meetings	12				12	\$ 3,000	\$ -	\$ 3,000	
2.13	Internal Program Monthly Meetings	12				12	\$ 3,000	\$ -	\$ 3,000	
	<b>Task 3 - Budgeting</b>									
	<b>Task 4 - Schedule</b>									
	<b>Task 5 - Reporting</b>									
	<b>Task 6 - Data Management</b>									
	<b>Task 7 - Environmental Management</b>									
	<b>Task 8 - Land Acquisition Management</b>									
8.1	Perform regular coordination with Ld. Acq. Cons.					0	\$ -	\$ -	\$ -	
8.2	Assist with the review of Ld. Acq. Cons. monthly invoices	10		10		20	\$ 3,800	\$ -	\$ 3,800	
8.3	Continuous tracking of Land Acq. Scope of work & amendments					0	\$ -	\$ -	\$ -	
8.4	Review land acquisition data for conformance to the PMP/RAMP	140		300		440	\$ 74,000	\$ -	\$ 74,000	
8.5	Perform as-needed site visits with Ld. Acq. Cons.					0	\$ -	\$ -	\$ -	
8.6	Coordinated site visits with those identified in Task 7 and 11					0	\$ -	\$ -	\$ -	
8.7	Review and comment on TWDB land acquisition deliverables	25	20	85		130	\$ 20,300	\$ -	\$ 20,300	
8.8	Coord. with landowners to facilitate access for Consultants for field work	6	40			46	\$ 7,500	\$ -	\$ 7,500	
8.9	Assist in resolution of title issues		210	32		242	\$ 35,660	\$ -	\$ 35,660	
8.10	Weekly Mtg with Alliance Water and Special Counsel	25				25	\$ 6,250	\$ -	\$ 6,250	
8.11	Other Ld. Acq. services as identified and assigned by Alliance Water	110	20	480		610	\$ 92,900	\$ -	\$ 92,900	
8.12	Land Acq. Team progress meetings					0	\$ -	\$ -	\$ -	
	<b>Task 9 - Texas Water Development Board Management</b>									
	<b>Task 10 - Design Standards Updates</b>									
	<b>Task 11 - Engineering Design Management</b>									
	<b>Task 12 - Quality Assurance</b>									
	<b>Task 13 - Electrical Power Planning</b>									
	<b>Task 14 - Permit Coordination/Tracking</b>									
	<b>Task 15 - Procurement and Construction Phase Services</b>									
	<b>Task 16 - Project Administration</b>									
16.1	Invoicing	6		12		18	\$ 3,060	\$ -	\$ 3,060	
16.2	Project Management					0	\$ -	\$ -	\$ -	
	<b>Task 17 - Other Services</b>									
	<b>Task 18 - Environmental Construction Phase Services</b>									
<b>Grand Total</b>							\$ 253,970	\$ -	\$ 253,970	

<b>Alliance Water</b>										<b>Project Fee Summary</b>			
Owners Representative 2/2/2023										Total Effort	\$	4,755	
Detailed Overall V&A Cost Breakdown													

Basic Services															
Task	Project Role	QA/QC / Senior Mngr / Principal	Senior Tech. Avis / Deputy Prj Mngr	Senior Engineer	GIS Specialist	Civil Engineer	Engineer-in-Training II	Engineer-in-Training I	Administrative Staff / Technician	Total Hours	Total Labor Effort	Total Expense Effort	Total Effort	Assumptions	
	Hourly Bill Rate	\$290.00	\$245.00	\$200.00	\$180.00	\$185.00	\$160.00	\$135.00	\$100.00						
<b>Task 10 - Design Standards Updates</b>															
10.1	Development of Design Standards, Specifications, and Details									0	\$ -	\$ -	\$ -		
10.1.1	Transmission Pipelines and Delivery Points Design Stds. - Finalize									0	\$ -	\$ -	\$ -		
10.1.2	Preparation of Standard Specifications for Const. - Finalize									0	\$ -	\$ -	\$ -		
10.1.3	Preparation of Standard Details - Finalize									0	\$ -	\$ -	\$ -		
10.1.4	Pipeline Corrosion Protection Standards	1	5			8	11			25	\$ 4,755	\$ -	\$ 4,755		
<b>Task 16 - Project Administration</b>															
16.1	Invoicing									0	\$ -	\$ -	\$ -		
16.2	Project Management									0	\$ -	\$ -	\$ -		
<b>Grand Total</b>											\$	4,755	\$ -	\$ 4,755	

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

**COMMITTEE MEMBER PACKETS**

Wednesday, February 8th, 2023 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 updated water projections from the Authority's Sponsors. ~ *Graham Moore, P.E., Executive Director*
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Background/Information

The Authority recently received the final water projections from the Sponsors. Staff will present the projected water needs at the Committee meeting.

**Technical Committee Decisions Needed:**

- Possible Direction to Staff.

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

**COMMITTEE MEMBER PACKETS**

Wednesday, February 8th, 2023 at 3:00 P.M.

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

**F.7** Discussion of legislative issues for the 88<sup>th</sup> Texas Legislature and possible direction to Staff. ~ *Graham Moore, P.E., Executive Director*

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Background/Information

The House has not named its committee members yet.

On the following pages is a list of bills that have been filed that may be of interest to the Authority as of February 3, 2023. The Authority's initial position on the bill has been provided in the table based on the legislative priorities approved by the Board in December 2022.

The list will continue to be updated and/or revised as new bills are filed and when they are assigned to committees.

Attachment(s)

ARWA Bill Tracking as of 2/3/2023

**Technical Committee Decisions Needed:**

- Possible Direction to Staff.

**ARWA Bill Tracking – 2023 / 88th Texas Legislature**

<b>ARWA – Bills to Support/Oppose (as of 2/3/2023)</b>				
<u>Bill Number</u>	<u>Sponsor</u>	<u>General Information</u>	<u>Committee</u>	<u>ARWA Position</u>
<b>HB 170</b>	Spiller	<ul style="list-style-type: none"> <li>Restrict public entities, including special purpose districts, from spending public money to pay a lobbyist</li> </ul>		Oppose
<b>HB 622</b>	Shaheen	<ul style="list-style-type: none"> <li>Allows legal postings on website in lieu of newspaper publications</li> </ul>		Support
<b>HB 973</b>	Zwiener	<ul style="list-style-type: none"> <li>Adds grants to harden/weatherize water &amp; wastewater systems from the Critical Infrastructure Res Fund</li> </ul>		Support
<b>HB 1646</b>	King, Tracy	<ul style="list-style-type: none"> <li>Amends EAA legislation to allow water from the aquifer withdrawn within the EAA boundaries to be used within the CCN of the public utility withdrawing the water.</li> </ul>		Support
<b>SB 175</b>	Middleton	<ul style="list-style-type: none"> <li>Prohibits political subdivisions from spending public funds on lobbyists or a lobbying association</li> </ul>		Oppose
<b>SB 296</b>	Perry	<ul style="list-style-type: none"> <li>Requires TCEQ to updates is WAMs for the Guadalupe, Lavaca, Nueces, San Antonio, San Jacinto and Trinity River basins</li> </ul>		Support
<b>SB 469</b>	Springer	<ul style="list-style-type: none"> <li>Redefines “rural political subdivision” for TWDB funding purposes to an a service area with a population of 10,000 or less – no part of which is located in an urban area, including a county with a population of 50,000</li> </ul>		Oppose

<b>ARWA – Bills to Related to Open Meetings / Government (as of 2/3/2023)</b>				
<u>Bill Number</u>	<u>Sponsor</u>	<u>General Information</u>	<u>Committee</u>	<u>ARWA Position</u>
<b>HB 537</b>	Wu	<ul style="list-style-type: none"> <li>Require governmental entity to post audit on website</li> </ul>		Monitor
<b>HB 712</b> <b>SB 271</b>	Shaheen Johnson	<ul style="list-style-type: none"> <li>Require local governments to notify DIR about a security incident</li> </ul>		Monitor



**ARWA Bill Tracking – 2023 / 88th Texas Legislature**

<b>SB 42</b>	Zaffirini	<ul style="list-style-type: none"> <li>Amends certain open meeting situations – imposes some additional requirements on virtual meetings</li> </ul>		Monitor
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<b>ARWA – Bills to Monitor (as of 2/3/2023)</b>				
<u>Bill Number</u>	<u>Sponsor</u>	<u>General Information</u>	<u>Committee</u>	<u>ARWA Position</u>
<b>HB 427</b>	VanDeaver	<ul style="list-style-type: none"> <li>Relating to info required to be provided to the public about planned excavations</li> </ul>		Monitor
<b>HB 495</b>	Meza	<ul style="list-style-type: none"> <li>Requires a rest break of 10-minutes every 4 hours for construction workers; requires public entity to administer the requirement</li> </ul>		Monitor
<b>HB 585</b>	Raymond	<ul style="list-style-type: none"> <li>Requires TCEQ to create a plan to protect water treatment facilities from electrical outages; catastrophic weather events; terrorist attacks; projected effects of climate change; other disruptions</li> </ul>		Monitor
<b>HB 588</b> <b>HB 1030</b>	Raymond Shaheen	<ul style="list-style-type: none"> <li>Creates a statewide disaster alert system through the Dept of Emergency Management</li> </ul>		Monitor
<b>HB 778</b> <b>SB 283</b>	Walle Echardt	<ul style="list-style-type: none"> <li>Requires written verification from contractor and subcontractor on construction projects that Workers Comp is provided for all workers</li> </ul>		Monitor
<b>HB 1489</b>	Tepper	<ul style="list-style-type: none"> <li>Provides limitations on the CO issuances by local governments on public works projects.</li> </ul>		Monitor
<b>HB 1699</b>	King, Tracy	<ul style="list-style-type: none"> <li>Authorizes Evergreen UCD to impose a fee on exported water not to exceed 150% of the maximum wholesale rate charged by SAWS.</li> </ul>		Monitor
<b>HJR 26</b>	Schofield	<ul style="list-style-type: none"> <li>Amends Constitution to provide the right to repurchase real property acquired through eminent domain</li> </ul>		Monitor

**ARWA Bill Tracking – 2023 / 88th Texas Legislature**

<b>SB 40</b>	Zaffirini	<ul style="list-style-type: none"> <li>Requires TCEQ to develop and implement a boil water notice alert system</li> </ul>		Monitor
<b>SB 156</b>	Perry	<ul style="list-style-type: none"> <li>Amends Ch. 36 of Water Code to allow landowners to petition for rulemaking; clarify which DFC is to be used in a management plan; provide notice on certain applications.</li> </ul>		Monitor
<b>SB 223</b>	Campbell	<ul style="list-style-type: none"> <li>Requires a TCEQ public meeting on an application for an initial wastewater treatment permit in the county the facility would be located.</li> </ul>		Monitor
<b>SB 330</b> <b>HB 1412</b>	Hall Schaefer	<ul style="list-style-type: none"> <li>Creates the Texas Grid Security Commission, which includes a rep from water, to evaluate hazards and risks to the electric grid.</li> </ul>		Monitor
<b>SB 638</b>	Springer	<ul style="list-style-type: none"> <li>Amends Ch. 36 in several areas dealing primarily with Directors recusal process; limits board continuances; provides deadlines for permit decisions, etc.</li> </ul>		Monitor
<b>SB 650</b>	Perry	<ul style="list-style-type: none"> <li>Requires TCEQ to establish a provisional license program for a Class D operator who does not hold a high school diploma but has satisfied certain exams.</li> </ul>		Monitor

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

**COMMITTEE MEMBER PACKETS**

Wednesday, February 8th, 2023 at 3:00 P.M.

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

- 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.  
~ *Graham Moore, P.E., Executive Director*
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Gonzales County Underground Water Conservation District (GCUWCD)

The GCUWCD is scheduled to meet on February 14th.

Plum Creek Conservation District (PCCD)

The PCCD is scheduled to meet on February 21<sup>st</sup>.

Groundwater Management Area 13

No update.

Region L Planning Group

No update.

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, February 8th, 2023 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*

Consultant Invoices Paid

- Below are reports on the FY 22-23 consultant invoices paid in December and January.

**FY 22-23 CONSULTANT INVOICES PAID IN DEC 2022 / JAN 2023**

<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	\$3,941.00	\$3,941.00	13%	\$26,059.00	
Kent Alan Sick - ROW Legal	\$10,000.00	\$0.00	\$0.00	0%	\$10,000.00	
Armstrong, Vaughan & Associates, P.C.	\$11,250.00	\$0.00	\$0.00	0%	\$11,250.00	
J.R. Tolles & Associates, Inc.	\$265,000.00	\$41,810.00	\$65,059.00	25%	\$199,941.00	
Lloyd Gosselink Rochelle & Townsend	\$125,000.00	\$25,273.00	\$25,273.00	20%	\$99,727.00	
CD&P - Public Relations	\$60,000.00	\$8,891.83	\$8,891.83	15%	\$51,108.17	
Schlueter Group of Texas, LLC	\$60,000.00	\$10,000.00	\$20,000.00	33%	\$40,000.00	
Texas Land & Right of Way Company, LLC	\$10,000.00	\$0.00	\$1,015.00	10%	\$8,985.00	
AECOM - Blanco Basin WW Study	\$4,701.00	\$0.00	\$0.00	0%	\$4,701.00	
<b>Total</b>	<b>\$571,250.00</b>	<b>\$89,915.83</b>	<b>\$124,179.83</b>		<b>\$447,070.17</b>	

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

**COMMITTEE MEMBER PACKETS**

Wednesday, February 8th, 2023 at 3:00 P.M.

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

- On the following page is the report on the Phase 1B invoices paid in December and January.

**PHASE 1B FY 20-21 CONSULTANT INVOICES PAID IN DEC 2022 / JAN 2023**

Consultant	Total Authorized	Current Invoice	Invoiced-to-Date	% of Contract Invoiced	Remaining	Notes/ Anomalies
Kimley-Horn Ph 1B Owner's Rep WO#6	\$852,425.41	\$277,044.87	\$277,044.87	33%	\$575,380.54	
Blanton - Environmental	\$332,142.56	\$0.00	\$0.00	0%	\$332,142.56	
LAN - Segment A Construction	\$407,524.48	\$16,389.82	\$16,389.82	4%	\$391,134.66	
KFA - Segment B Final	\$16,061.27	\$1,327.50	\$1,327.50	8%	\$14,733.77	
KFA - Segment B Construction	\$383,343.98	\$7,571.88	\$7,571.88	2%	\$375,772.10	
BGE - Segment C Prelim	\$15,099.24	\$0.00	\$0.00	0%	\$15,099.24	
BGE - Segment C Final	\$228,583.98	\$0.00	\$0.00	0%	\$228,583.98	
FNI - Segment D Prelim	\$61,533.66	\$0.00	\$0.00	0%	\$61,533.66	
FNI - Segment D Final	\$10.96	\$0.00	\$0.00	0%	\$10.96	
FNI - Segment D Construction	\$447,846.01	\$8,117.65	\$8,117.65	2%	\$439,728.36	
Walker - Segment E Prelim	\$26,842.82	\$0.00	\$0.00	0%	\$26,842.82	
Walker - Segment E Final	\$147,213.56	\$32,236.18	\$32,236.18	22%	\$114,977.38	
DTR&G	\$1,000,000.00	\$458,650.46	\$458,650.46	46%	\$541,349.54	
CBRE - Appraisals	\$326,140.00	\$50,260.00	\$50,260.00	15%	\$275,880.00	
CP&Y - Survey	\$108,955.50	\$23,056.50	\$23,056.50	21%	\$85,899.00	
LNV - RWI	\$136,157.50	\$0.00	\$0.00	0%	\$136,157.50	
FNI - BPS Final	\$206,219.73	\$4,673.25	\$4,673.25	2%	\$201,546.48	
Plummer - Inline Elevated Tank Final	\$211,718.82	\$17,386.75	\$17,386.75	8%	\$194,332.07	
Pape-Dawson - CM&I WO#6	\$2,474,241.68	\$907,209.71	\$907,209.71	37%	\$1,567,031.97	
Walker Partners - WTP CA Svcs	\$609,543.41	\$54,925.93	\$54,925.93	9%	\$554,617.48	
LNV/Ardurura - RWI CA Svcs	\$262,885.25	\$5,265.00	\$5,265.00	2%	\$257,620.25	
FNI - BPS CA Svcs	\$291,638.01	\$22,471.15	\$22,471.15	8%	\$269,166.86	
CP&Y - SCADA Programming Svcs	\$563,962.49	\$11,387.50	\$27,903.50	5%	\$536,058.99	
HVJ - Materials Testing (WTP)	\$346,373.75	\$33,486.50	\$33,486.50	10%	\$312,887.25	
HVJ - Materials Testing (BPS)	\$63,844.25	\$6,734.25	\$6,734.25	11%	\$57,110.00	
HVJ - Materials Testing (Segment A)	\$730,665.00	\$68,031.75	\$68,031.75	9%	\$662,633.25	
HVJ - Materials Testing (Segment B)	\$399,471.28	\$91,539.49	\$91,539.49	23%	\$307,931.79	
<b>Total</b>	<b>\$10,650,444.60</b>	<b>\$2,097,766.14</b>	<b>\$2,114,282.14</b>	<b>20%</b>	<b>\$8,536,162.46</b>	

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

**COMMITTEE MEMBER PACKETS**

Wednesday, February 8th, 2023 at 3:00 P.M.

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

Approved Change Orders

- No change orders were approved in December or January.

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

**COMMITTEE MEMBER PACKETS**

Wednesday, February 8th, 2023 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, February 8th, 2023 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. *Acquisition of real property for water supply project purposes*
  - D. *Operation and Maintenance Agreement of Carrizo Regional Water Supply*
-



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

**COMMITTEE MEMBER PACKETS**

Wednesday, February 8th, 2023 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. *Acquisition of real property for water supply project purposes*
  - D. *Operation and Maintenance Agreement of Carrizo Regional Water Supply*
-

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

**COMMITTEE MEMBER PACKETS**

Wednesday, February 8th, 2023 at 3:00 P.M.

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

**J. ADJOURNMENT**

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