

**Alliance Regional Water Authority  
Technical Committee**

**REGULAR MEETING**



**ALLIANCE WATER**

**COMMITTEE MEMBER PACKETS**

Wednesday, February 10th, 2021 at 3:00 P.M.

Conference Call Number: 1-903-405-2572  
Code: 747 678 028#

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

**COMMITTEE MEMBER PACKETS**

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**In accordance with Governor Abbott's Executive Order, declaration of the COVID-19 public health threat, and action to temporarily suspend certain provisions of the Texas Open Meetings Act, 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 10, 2021. The public may participate in this meeting by calling the following number and code:**

**Conference Call Number: 1-903-405-2572**  
**Code: 747 678 028#**

**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 10, 2021. 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 Special Technical Committee Meeting held January 13, 2021. ~ *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 the Authority's Phase 1A projects. ~ *Jason Biemer, Director of Operations*

F.2 Update 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 Update, discussion and possible direction to Staff regarding the Authority's Phase 1B Program Schedule. ~ *Ryan Sowa, P.E., Kimley-Horn & Associates*
- F.4 Update, discussion and possible direction to Staff regarding the initial raw water quality data obtained from the Phase 1B Well Drilling project. ~ *Marisa Vergara, P.E. CP&Y*
- 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 2021 through February 2022 for the Authority's Phase 1B Program. ~ *Graham Moore, P.E., Executive Director*
- F.6 Discussion of legislative issues for the 87th Texas Legislature, and possible direction to Staff. ~ *Graham Moore, P.E., Executive Director*
- F.7 Update on status of groundwater management in project target area, and Gonzales County Underground Water Conservation District, Plum Creek Conservation District, Groundwater Management Area 13, Region L Planning Group, Guadalupe-Blanco River Authority, Hays County and CAPCOG activities. ~ *Graham Moore, P.E., Executive Director*
- G. EXECUTIVE DIRECTOR REPORT - Update on future meeting dates, locations, consultant invoices paid, approved changed orders, status of Authority procurements, Executive Director activities and other operational activities where no action is required. ~ *Graham Moore, P.E., Executive Director*
- H. COMMITTEE MEMBER ITEMS OR FUTURE AGENDA ITEMS – Possible acknowledgement by Committee Members of future area events and/or requests for item(s) to be placed on a future agenda where no action is required.
- I. EXECUTIVE SESSION
  - I.1 *Executive Session pursuant to the Government Code, Section 551.071 (Consultation with Attorney) and/or Section 551.072 (Real Property Deliberations) regarding:*
    - A. *Water supply partnership options*
    - 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*

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- B. Groundwater leases*
- C. Acquisition of real property for water supply project purposes*
- D. Possible approval of the cemetery investigation approved by the Board by Resolution 2021-01-27-004 pending approval by the Technical Committee.*

J. ADJOURNMENT

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

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**A. CALL TO ORDER**

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No Backup Information for this Item.

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**B. ROLL CALL**

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NAME PRESENT

Blake Neffendorf

James Earp

Tom Taggart

Humberto Ramos

Tim Samford

Mike Taylor

NON-VOTING MEMBERS PRESENT

Mayor Lee Urbanovsky

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

**COMMITTEE MEMBER PACKETS**

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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 January 13, 2021. ~ *Graham Moore, P.E., Executive Director*

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Attachment(s)

- 2021 01 10 Technical Committee Meeting Minutes

**Technical Committee decision needed:**

- Approval of minutes.



## ALLIANCE WATER

### Alliance Regional Water Authority

### TECHNICAL COMMITTEE MEETING

### MINUTES

**Wednesday, January 13, 2021**

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, January 13, 2021 by telephonic conference call in accordance with Governor Abbott's Executive Order, declaration of the COVID-19 public health threat, and action to temporarily suspend certain provisions of the Texas Open Meetings Act.

A. CALL TO ORDER.

**The Alliance Water Technical Committee Meeting was called to order at 3:01 p.m. by Mr. Taggart.**

B. ROLL CALL.

- **Present: Neffendorf, Taggart, Ramos, Samford, Taylor with Earp joining in Item F.1.**
- **Non-Voting Members Present: Urbanovsky**
- **Absent: None.**

C. PUBLIC COMMENT PERIOD

- **None.**

D. CONSENT AGENDA

D.1 Consider approval of minutes of the Technical Committee Meeting held December 9, 2020.

- **Motion to adopt the consent agenda as presented was made by Mr. Taylor, seconded by Mr. Neffendorf and approved on a 5-0 vote.**

E. PRESENTATIONS TO THE COMMITTEE

E.1 None.

F. ITEMS FOR COMMITTEE ACTION OR DISCUSSION/DIRECTION

F.1 Update and possible direction to Staff regarding the Authority's Phase 1A projects.

- **Mr. Biemer provided an update on the projects.**
- **Mr. Taggart asked if the generators can be tested at full load.**
- **Mr. Biemer stated that they can be tested at full load.**
- **Mr. Ramos asked what the schedule is for the ribbon cutting.**
- **Mr. Moore stated that the video is in production and is targeting the ceremony for the February Board meeting.**
- **No Action.**

F.2 Update and possible direction to Staff regarding the Authority's Phase 1B program.

- **Mr. Taggart asked what the yield results are for the first two test wells.**
- **Mr. Moore stated that he would gather that information and distribute it to the Committee.**
- **Mr. Neffendorf asked if there are well efficiency standards.**
- **Mr. Moore stated that yes there are and that he will pass along further details to the Committee along with the yield results.**
- **Mr. Taggart requested that a date be added to the budget update slide to indicate the date of the "Original – Total Projected Cost".**
- **No Action.**

F.3 Discussion of legislative issues for the 87th Texas Legislature, and possible direction to Staff.

- **No Action.**

F.4 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.

- **No Action.**

G. EXECUTIVE DIRECTOR REPORT

- **No Action.**

H. COMMITTEE MEMBER ITEMS OR FUTURE AGENDA ITEMS

- **Mr. Taggart requested that the February meeting include a detailed schedule update for land acquisition and cost trends.**

I. EXECUTIVE SESSION

I.1 Executive Session on the following matters:

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

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

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

J. ADJOURNMENT

- **Meeting was adjourned at 3:47 p.m. based on a motion by Mr. Taylor, seconded by Mr. Taggart and approved on a 6-0 vote.**

**APPROVED:** \_\_\_\_\_, 2021

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- F.1** Update and possible direction to Staff regarding the Authority's Phase 1A projects.  
~ *Jason Biemer, Director of Operations*
- 

Background/Information

Below are brief updates on the Phase 1A projects.

Segment B Pipeline:

- Gathering final documents for submission to TWDB and approval of close-out.

Pump Station:

- Lightning repairs.
  - Partial GST filling Jan 8<sup>th</sup> in advance of testing effort.
  - Testing will confirm all systems function properly, not just those systems affected by the lightning strike.
  - Retesting occurred the week of January 17.
    - Overall, very successful testing.
    - Several issues were identified and corrected during testing.
  - Items requiring repair or further testing.
    - Chemical feed pumps.
  - VFD programming.
- We were notified on 2/5 by the contractor, Black Castle, that they are having financial challenges including payment of subcontractors on the project. The 5% retainage has not been released for the project.

**Technical Committee Decisions Needed:**

- None.

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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*
- 

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 10, 2021
- Kimley-Horn Monthly Summary of Activities for January 2021

**Technical Committee Decisions Needed:**

- None.



# Phase 1B Program Update

Technical Committee Meeting  
February 10, 2021

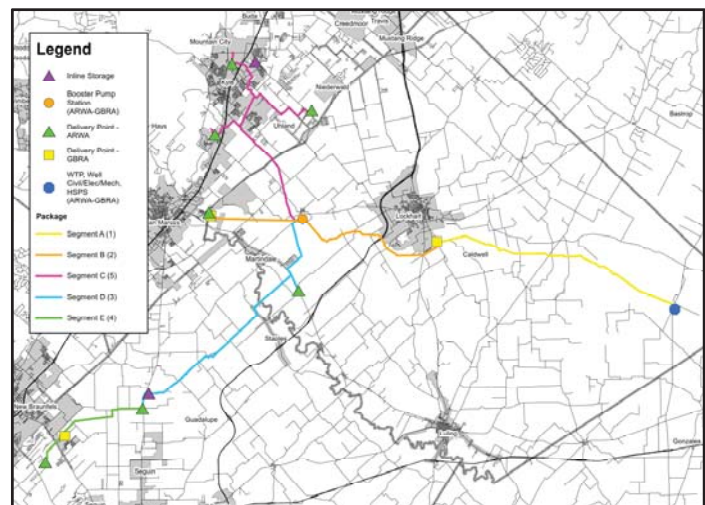


Kimley»Horn

## Ongoing Progress

### Design Milestone Review

- February
  - Pipeline Segment B (100%)
  - Pipeline Segment D (100%)
- March
  - Pipeline Segment C (90%)
- April
  - Pipeline Segment E (90%)



Kimley»Horn

## Ongoing Progress

### Texas Water Development Board Update

- Submittals Under Review
  - Segment A
    - Engineering Feasibility Report
    - Environmental Data Report
  - Water Treatment Plant
    - Final Design Submittal
- Release of Funds
  - None Submitted Currently
  - Upcoming ROF Request in next 1-2 Months for Procurement, Land Acquisition, and Others



Kimley»Horn

## Pipeline Easement Acquisition Status

Pipeline Segment	Number of Parcels	Appraisals Prepared	Initial Offer Letter Delivered	Final Offer Letter Delivered	Purchase Agreement Signed / Possession Obtained	Approved for Condemnation
A	39	39	39	24	23	16
B	53	50	47	37	6	32
D	58	56	55	36	14	13
C	79	16	15	10	3	6
E	38	28	23	7	3	0
Wellfield	20	0	0	0	0	0
<b>Total</b>	<b>287</b>	<b>189</b>	<b>179</b>	<b>114</b>	<b>49</b>	<b>67</b>

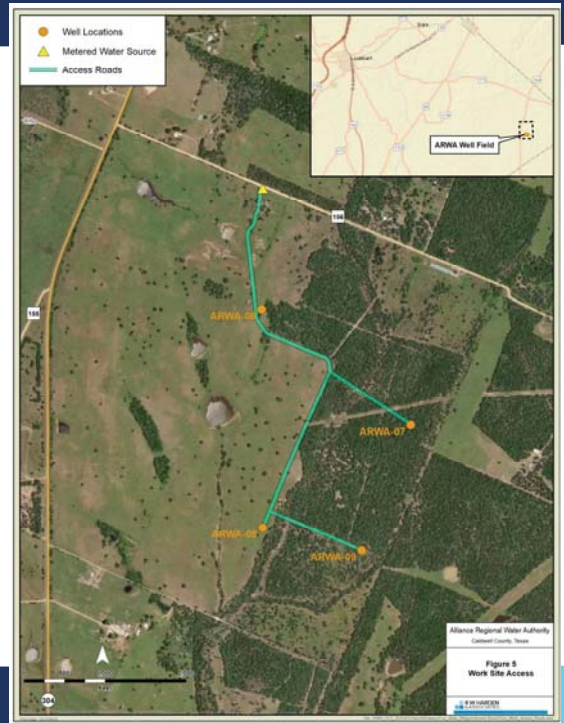


Kimley»Horn



# Well Drilling Construction Progress

- Actual Progress (last 30 days)
  - Site Nos. 8 and 9
    - Installation and Testing Complete
    - Water Quality Samples Submitted
  - Site No. 7
    - Installation and Development Complete
  - Site No. 6
    - Installation Complete, Development Underway
  
- Anticipated Progress (next 30 days)
  - Site No. 6
    - Continued Development, Testing and Sampling
  - Site No. 7
    - Testing and Sampling
  - Site Nos. 8 and 9
    - Finalize Well



# Well Field Construction Update

Photo Credit:  
Jim Tolles



Well No. 6  
14-inch 304 SS  
Pipe-based Screen



Well No. 6  
Casing



# Well Field Construction Update

Photo Credit:  
Jim Tolles



Well No. 6  
Float Valve



Well No. 9  
Sand Guarantee Test



# Budget Update



**COST UPDATES BASED ON JANUARY MILESTONE SUBMITTALS**

Construction Package		ORIGINAL (FEB. 2019) ARWA Total Projected Cost	REVISED ARWA Total Projected Cost	DIFFERENCE
<b>Submittal (%) Combined Program Infrastructure</b>				
100	Water Treatment Plant	\$ 24,500,000	\$ 26,300,000	\$ 1,800,000
90	SCADA Fiber Backbone	\$ 900,000	\$ 400,000	(\$ 500,000)
100	Booster Pump Station & GBRA Meter Stations	\$ 15,300,000	\$ 12,600,000	(\$ 2,700,000)
30	Inline EST (South)	\$ 3,600,000	\$ 3,600,000	\$ 0
100	Pipeline Segment A	\$ 28,600,000	\$ 25,600,000	(\$ 3,000,000)
100	Pipeline Segment B	\$ 29,400,000	\$ 32,500,000	\$ 3,100,000
90	Pipeline Segment D	\$ 36,300,000	\$ 36,700,000	\$ 400,000
60	Pipeline Segment E	\$ 9,500,000	\$ 9,200,000	(\$ 300,000)
	<b>Subtotal</b>	<b>\$148,100,000</b>	<b>\$146,900,000</b>	<b>(\$ 1,200,000)</b>
<b>ARWA-Only Infrastructure</b>				
Const.	Wellfield	\$ 3,800,000	\$ 3,100,000	(\$ 700,000)
90	Water Treatment Plant	\$ 2,600,000	\$ 2,600,000	\$ 0
90	ARWA Delivery Points	\$ 6,100,000	\$ 5,500,000	(\$ 600,000)
30	Inline EST (North)	\$ 5,400,000	\$ 6,600,000	\$ 1,200,000
90	Raw Water Infrastructure	\$ 7,400,000	\$ 10,200,000	\$ 2,800,000
No Design	Administration and Operations Building	\$ 4,300,000	\$ 4,200,000	(\$ 100,000)
60	Pipeline Segment C	\$ 64,500,000	\$ 62,600,000	(\$ 1,900,000)
60	Pipeline Segment E	\$ 6,700,000	\$ 10,100,000	\$ 3,400,000
	<b>Subtotal</b>	<b>\$100,800,000</b>	<b>\$104,900,000</b>	<b>\$ 4,100,000</b>
	<b>Total</b>	<b>\$248,900,000</b>	<b>\$251,800,000</b>	<b>\$2,900,000</b>
	Contingencies	\$65,900,000	\$42,500,000	(\$23,400,000)
	<b>Total with Contingencies</b>	<b>\$314,800,000</b>	<b>\$294,300,000</b>	<b>(\$20,500,000)</b>
<b>FEBRUARY 2021 UPDATE</b>			<b>CHANGE FROM JANUARY UPDATE =</b>	<b>\$3,100,000 TOTAL</b>

Questions?



February 5, 2021

## **Project Monthly Summary**

### **January 2021 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 Update.
  - Prepared and presented Board Meeting Update.
  - Prepared and presented Project Advisory Committee Meeting Update.
  - Prepared for and held Monthly Status Meeting with Alliance Water.
  
- Task 3 – Budgeting
  - Prepared a monthly Budget Update for the Technical Committee, Board, and Project Advisory Committee.
  - Continued updates to Budget Workbook to include monthly tracking of actual costs for ARWA review.
  
- Task 4 – Schedule
  - Revised Project Deliverable Schedule based on the feedback received from ARWA and Design Consultants.
  - Coordinated with Program team to integrate each project schedule into overall Program schedule. Developed the monthly Program schedule summary.
  
- Task 6 – Data Management
  - Ongoing maintenance of Microsoft SharePoint Online program.
  - Continued updating of web-based GIS for right-of-entry process and alignment changes.
  
- Task 7 – Environmental Management
  - Provided ARWA a summary of the comments received from the THC’s review of the Segment A Hazmat Phase II reports.
  - Coordinated the Segment B Hazmat Phase II report prepared by the Environmental Consultant submission to the agencies for review.
  - Reviewed of the Segment D Hazmat Phase II report prepared by the Environmental Consultant.
  - Continued coordination with Program Environmental Consultant concerning the comment responses to the United States Army Corps of Engineers.
  - Coordinated with the Program Environmental Consultant regarding Inline Elevated Storage Tank site field work.

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

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- Coordinated with the Program Environmental Consultant to prepare a proposal for additional field work needs given the United States Army Corps of Engineers comments.
- Continued coordination with the Program Environmental Consultant regarding additional hazmat studies for Segments C and E.
- Performed coordination between Program Environmental Consultant and Land Acquisition Consultant to clarify environmental field work to be done on properties as part of right-of-entry process.
- Monthly progress meeting and ongoing coordination with Program Environmental Consultant.
- Continued coordination between Program Environmental Consultant and Design Engineers.
- Reviewed Program Environmental invoices, schedule, and risk log.
  
- Task 8 – Land Acquisition Management
  - Coordinated the appraisal process for Segments A, B, C, D, and E parcels.
  - Coordinated with Program Survey Consultant, Program Environmental Consultant, and Land Acquisition team to address questions that arise as part of the field work coordination process.
  - Performed weekly QC of parcel files in SharePoint, provided comments to Land Acquisition team.
  - Weekly coordination meeting with land agents to discuss status of rights-of-entry and to provide Program clarification on any questions/requests that have come from landowners.
  - Reviewed Program Land Acquisition team, Program Appraiser, and Program Survey invoices.
  - Continued field work coordination to notify landowners of upcoming field work by consultants.
  
- Task 9 – Texas Water Development Board Management
  - Submitted the Segment A EFR and EDF as well as the WTP Final Documents to the TWDB Staff for review.
  - Continue coordination with TWDB Staff to track all EFRs, environmental reports, and bid documents currently under review.
  
- Task 10 – Design Standards
  - Review and address comments received from the Design Consultants concerning the Pipeline Construction Standards.
  - Finalized the Cathodic Protection Program Standards given feedback from the Design Consultants.
  
- Task 11 – Engineering Design Management
  - Pipelines:
    - Segment A

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

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- Reviewed the Segment A 100% design submittal prepared by the Design Consultant.
  - Attended the Segment A 100% Design Workshop.
  - Finalized and submitted the Final 30% Engineering Feasibility Report to the TWDB.
  - Continued coordination with Design Consultant for final design.
- Segment B
  - Began review of the Segment B 100% design submittal prepared by the Design Consultant.
  - Continued coordination with Design Consultant for final design.
- Segment C
  - Finalized review of the Segment C 60% design submittal prepared by the Design Consultant.
  - Attended the Segment C 60% Design Workshop.
  - Continued coordination with Design Consultant for final design.
  - Continued coordination with Design Consultant regarding ongoing field work and pipeline alignment considerations as part of right-of-entry process and EFR development.
- Segment D
  - Continued coordination with Design Consultant for final design.
- Segment E
  - Finalized review of the Segment E 60% design submittal prepared by the Design Consultant.
  - Attended the Segment E 60% Design Workshop.
  - Continued coordination with Design Consultant for final design.
- Wellfield:
  - Continued coordination regarding the construction for Wells 6-9.
- Raw Water Infrastructure:
  - Continued coordination with Design Consultant for final design development.
- Water Treatment Plant:
  - Began review of the additional 100% design submittal prepared by the Design Consultant.
  - Continued coordination with Design Consultant concerning Hydraulics/Surge development.
  - Continued coordination with Design Consultant for final design.
- Booster Pump Station:
  - Reviewed of the 100% design submittal prepared by the Design Consultant.
  - Coordinated with Design Consultant for final design.

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

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- Inline Elevated Storage Tanks:
  - Reviewed of the 30% EFR prepared by the design consultant.
  - Began coordination with Design Consultant for scoping of final design phase services.
  - Continued coordination with Design Consultant for 30% design development.
- Other:
  - Monthly progress meetings with all Design Consultants (pipelines, water treatment plant, raw water infrastructure, wellfield, booster pump station).
  - Review invoices, schedules, and risk logs for consultants.
- Task 13 – Electrical Power Planning
  - Continued coordination with ARWA and GVEC to develop agreement terms for service to the well field.
  - Continued coordination with GVEC regarding electric service to the WTP and wellfield.
- Task 14 – Permit Coordination/Tracking
  - Continued Permit coordination with Pipeline Consultants.
  - Continued coordination with Caldwell County concerning variance request for the Site Development Permit.
  - Continued coordination with Caldwell and Guadalupe County TxDOT offices concerning roadway crossings.
  - Continued General Coordination with TxDOT.
  - Continued General Coordination with GVEC and BBEC.
  - On-going Permit Tracking Log Updates.
- Task 16 – Other Services
  - Continued evaluation of the Procurement Process, including a comparison of the Competitive Sealed Proposal and Pre-Qualified processes for ARWA’s review and feedback.
  - Coordinate with design consultants and construction management team regarding the ARWA contract document templates and Competitive Sealed Proposal process.
  - Continued addressing ARWA’s comments to finalize the additional solar analysis and memo.
  - Commissioning Planning
    - Continued evaluating the commissioning of the Phase 1B infrastructure.

**February 2021 Projection:**

- Task 2 – Stakeholder Coordination

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

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- 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 the Technical Committee 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
  - Provide a monthly budget update for the Technical Committee, Board, and Project Advisory Committee.
  - Continue updates to Budget Workbook to include monthly tracking of actual costs for ARWA review.
  - Continue development of projected Operation and Maintenance costs and address feedback received from ARWA.
  
- Task 4 – Schedule
  - Provide a schedule quarterly update presentation to the Technical Committee, Board, and Project Advisory Committee.
  - Revise the Project Deliverable Schedule based on the feedback received from ARWA and Design Consultants.
  - Coordinate with Program team to integrate each project schedule into overall Program schedule.
  
- Task 6 – Data Management
  - Ongoing maintenance of Microsoft SharePoint Online program.
  - Continued updating of web-based GIS for right-of-entry process and alignment changes.
  
- Task 7 – Environmental Management
  - Finalize review of the Segment D Hazmat Phase II report prepared by the Environmental Consultant.
  - Continue coordination with Program Environmental Consultant concerning the comment responses to the United States Army Corps of Engineers.
  - Coordinate with the Program Environmental Consultant regarding Inline Elevated Storage Tank site field work.
  - Continued coordination with the Program Environmental Consultant regarding additional hazmat studies for Segment C and E.
  - Perform coordination between Program Environmental Consultant and Land Acquisition Consultant to clarify environmental field work to be done on properties as part of right-of-entry process.
  - Monthly progress meeting and ongoing coordination with Program Environmental Consultant.



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

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- Continue coordination between Program Environmental Consultant and Design Engineers.
- Review Program Environmental invoices, schedule, and risk log.
  
- Task 8 – Land Acquisition Management
  - Coordinate the appraisal process for Segment A, B, C, D, and E parcels.
  - Coordinate with Program Survey Consultant, Program Environmental Consultant, and Land Acquisition team to address questions that arise as part of the field work coordination process.
  - Perform weekly QC of parcel files in SharePoint, provide comments to Land Acquisition team.
  - Weekly coordination meeting with land agents to discuss status of rights-of-entry and to provide Program clarification on any questions/requests that have come from landowners.
  - Review Program Land Acquisition team, Program Appraiser, and Program Survey invoices.
  - Continue field work coordination to notify landowners of upcoming field work by consultants.
  
- Task 9 – Texas Water Development Board Management
  - Continue coordination with TWDB Staff to track all EFRs, environmental reports, and bid documents currently under review.
  
- Task 10 – Design Standards
  - Finalize and distribute the Pipeline Construction Standards.
  - Finalize the Cathodic Protection Program Standards.
  
- Task 11 – Engineering Design Management
  - Pipelines:
    - Segment A
      - Continue coordination with Design Consultant for final design.
    - Segment B
      - Finalized review the Segment B 100% design submittal prepared by the Design Consultant.
      - Attend the Segment B 100% Design Workshop.
      - Continue coordination with Design Consultant regarding for final design.
    - Segment C
      - Continue coordination with Design Consultant regarding ongoing field work and pipeline alignment considerations as part of right-of-entry process and EFR development.
      - Continue coordination with Design Consultant for final design.
    - Segment D

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

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- Review the Segment D 100% design submittal prepared by the Design Consultant.
      - Attend the Segment D 100% Design Workshop.
      - Continue coordination with Design Consultant for final design.
    - Segment E
      - Continue coordination with Design Consultant for final design.
  - Wellfield:
    - Continue coordination regarding the construction of Wells 6-9.
  - Raw Water Infrastructure:
    - Continue coordination with Design Consultant regarding for final design.
  - Water Treatment Plant:
    - Review of the additional 100% design submittal prepared by the Design Consultant.
    - Continue coordination with Design Consultant concerning Hydraulics/Surge development.
    - Continue coordination with Design Consultant for final design.
    - Finalize and submit the Final 100% Engineering Documents for advertisement approval to the TWDB.
  - Booster Pump Station:
    - Coordination with Design Consultant for final design.
  - Inline Elevated Storage Tanks:
    - Finalize review of the 30% EFR prepared by the design consultant.
    - Coordination with Design Consultant for 60% design development.
  - Other:
    - Monthly progress meetings with all Design Consultants (pipelines, water treatment plant, raw water infrastructure, wellfield).
    - Review invoices, schedules, and risk logs for consultants
- Task 13 – Electrical Power Planning
    - Continue coordination with ARWA and GVEC to develop agreement language for service to the well field.
    - 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.
    - General Coordination with GVEC and BBEC.
    - Permit Tracking Log Updates.

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

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- Task 16 – Other Services
  - Finalize the Procurement Process, including a comparison of the Competitive Sealed Proposal and Pre-Qualified processes for ARWA’s review and feedback.
  - Finalize additional solar analysis and memo to address ARWA’s comments.
  - Commissioning Planning
    - Finalize the evaluation of the Phase 1B infrastructure commissioning for ARWA’s review.
  - Finalize and submit the City of San Marcos Watershed Protection Plan for the Booster Pump Station Plat.

**Scope Elements Added/Removed:**

None at this time.

**Outstanding Issues/Concerns:**

None at this time.

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

**COMMITTEE MEMBER PACKETS**

Wednesday, February 10th, 2021 at 3:00 P.M.  
Conference Call Number: 1-903-405-2572; Code: 747 678 028#

- F.3** Update, discussion and possible direction to Staff regarding the Authority's Phase 1B Program Schedule. ~ *Ryan Sowa, P.E., Kimley-Horn & Associates*
- 

Background/Information

Attached is a presentation update on the schedule for the Phase 1B Program.

Next Step(s)

- Phase 1B Program Schedule Update February 10, 2021

**Technical Committee Decision Needed:**

- Possible direction to Staff.



## Phase 1B Program Schedule Update

Technical Committee Meeting  
February 10, 2021



Kimley»Horn

## Schedule Update

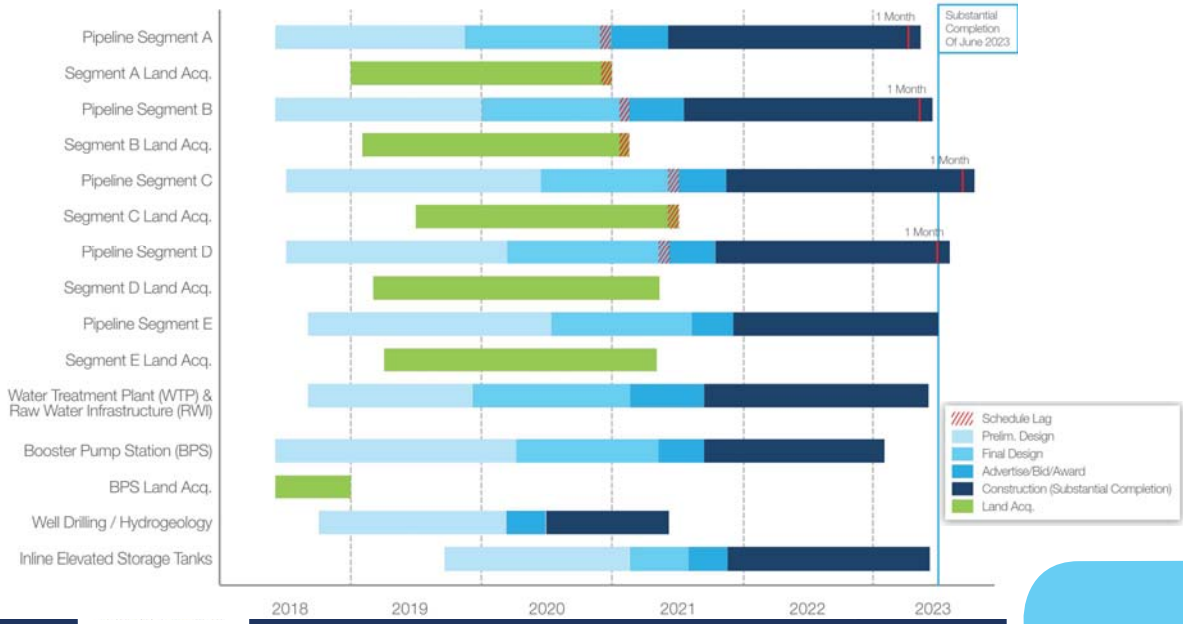
### Developments Since Last Update

- TCEQ Exception Requests
  - Water Treatment Plant – extended review process
  - Booster Pump Station & Delivery Points – continued coordination
- Easement Acquisition
  - TWDB – clarification on easement acquisition and project procurement
  - Commissioners Hearings
- US Army Corps of Engineers Permit Delays
  - Segment A approval
- Construction Contract Duration Assessments
  - Segments A, B, and D – reduced from 24 months to 21 months
  - Segments C and E – under evaluation

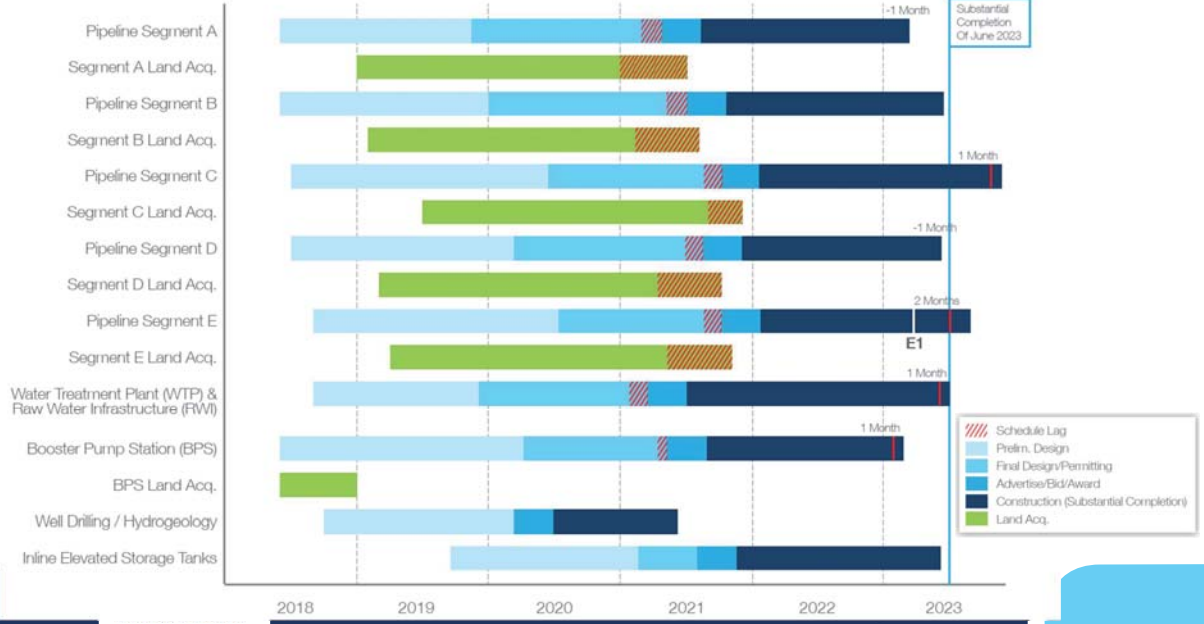


Kimley»Horn

# Schedule Update – October 2020



# Schedule Update – February 2020



## Schedule Update

### Transmission Pipelines – Segment A

- Net Gain of 1 Month
- Current Key Risks:
  - TWDB review durations
  - Land acquisition – land sales/subdividing, scheduling of hearings
- Mitigation
  - Continual check-ins with TWDB
  - Expedited decisions/input on land acquisition

### Transmission Pipelines – Segment B

- No Change Overall
- Current Key Risks:
  - TWDB review durations
  - Land acquisition – land sales/subdividing, scheduling of hearings
- Mitigation
  - Continual check-ins with TWDB
  - Expedited decisions/input on land acquisition

### Transmission Pipelines – Segment C

- Net Delay of 1 Month
- Current Key Risks:
  - Alignment Confirmation – landowner realignment requests
  - Land acquisition – land sales/subdividing, scheduling of hearings
- Mitigation
  - Continual landowner coordination
  - Expedited decisions/input on land acquisition
  - “Opinion of Value” to expedite strategic initial offer letters

### Transmission Pipelines – Segment D

- Net Gain of 1 Month
- Key Risks:
  - TWDB review durations
  - Land acquisition – land sales/subdividing, scheduling of hearings
- Mitigation
  - Continual check-ins with TWDB
  - Expedited decisions/input on land acquisition



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## Schedule Update

### Transmission Pipelines – Segment E

- Net Delay of 2 Months
- Current Key Risks:
  - Alignment Confirmation – landowner realignment requests
  - Land acquisition – land sales/subdividing, scheduling of hearings
- Mitigation
  - Continual landowner coordination
  - Expedited decisions/input on land acquisition
  - “Opinion of Value” to expedite strategic initial offer letters

### Water Treatment Plant & Raw Water Infrastructure

- Delay of 1 Month
- Current Key Risks:
  - TCEQ/TWDB review durations
- Mitigation
  - Continual check-ins with TCEQ/TWDB
  - Expedited responses to comments

### Booster Pump Station & Delivery Points

- Delay of 1 Month
- Current Key Risks:
  - TCEQ/TWDB review durations
- Mitigation
  - Continual check-ins with TCEQ/TWDB
  - Expedited responses to comments

### Well Drilling Construction

- Contractor on Schedule

### Inline Elevated Storage Tanks

- No Change Overall



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## Schedule Update

### Pipeline Easement Acquisition

- Issues to Date:
  - Alignment Confirmation Process
    - Right-of-entry process
    - Design concerns
  - Land Sales
  - Development Coordination



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## Schedule Update

### Pipeline Easement Acquisition – Initial Offer Status

Pipeline Segment	Initial Offers Remaining (Overall)	Initial Offers Remaining (Combined Program)	Projected Delivery of Last Initial Offer Letter
A	0	0	January 2021 (complete)
B	6	6	February 2021
C	84	0	June 2021
D	3	3	March 2021
E	15	4	April 2021
W	20	0	August 2021
<b>TOTAL</b>	<b>108</b>	<b>13</b>	



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# Schedule Update

## Pipeline Easement Acquisition – Path Forward

- TWDB Approval to Extend into Procurement Phase

Process Step	Duration	Notes
Prepare & Deliver Initial Offer Letter	7 days	Last initial offer letter date as indicated on prior slide. "Opinion of Value" to expedite strategic initial offer letters.
Negotiate & Communicate with Owner	30 days	
Prepare Final Offer Letter / Negotiate & Communicate with Owner	15 days	
Board Approval of Condemnation	--	Typically occurs after final offer letter negotiations, but for last remaining parcels will occur prior/concurrently
Submit Hearing Request	15 days	
Special Commissioners Hearing	60 days	
Deposit for Possession	30 days	



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# Schedule Update

## Pipeline Easement Acquisition – Path Forward

- Key Risks
  - Land Sales
  - Scheduling of Commissioners Hearings



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Questions?



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

**COMMITTEE MEMBER PACKETS**

Wednesday, February 10th, 2021 at 3:00 P.M.  
Conference Call Number: 1-903-405-2572; Code: 747 678 028#

- F.4** Update, discussion and possible direction to Staff regarding the initial raw water quality data obtained from the Phase 1B Well Drilling project. ~ *Marisa Vergara, P.E. CP&Y*
- 

Background/Information

The raw water quality data from the first well was received. The program and design teams will review and prepare an update presentation for the 2/10 Committee meeting. The presentation will likely not be ready prior to the Committee meeting, but if it is, it will be sent out separately.

**Technical Committee Decision(s) Needed:**

- Possible direction to Staff.

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

**COMMITTEE MEMBER PACKETS**

Wednesday, February 10th, 2021 at 3:00 P.M.  
 Conference Call Number: 1-903-405-2572; Code: 747 678 028#

**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 2021 through February 2022 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 and 2020 for the second and third years. The current work order is set to expire on February 28, 2021.

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	\$3,050,000*

\* Projected

The Executive Director negotiated a new work order with Kimley-Horn to begin on March 1, 2021 and extend through February 28, 2022. 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	\$32,262
2 – Stakeholder Coordination	\$279,683
3 - Budgeting	\$110,861
4 - Schedule	\$81,192
5 – Reporting	\$47,110
6 – Data Management	\$91,576
7 – Environmental Management	\$84,390
8 – Land Acquisition Management	\$509,587
9 – TWDB Management	\$83,558

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

**COMMITTEE MEMBER PACKETS**

Wednesday, February 10th, 2021 at 3:00 P.M.  
Conference Call Number: 1-903-405-2572; Code: 747 678 028#

10 – Design Standards Updates	\$84,403
11 – Engineering Design Management	\$361,276
12 – Quality Assurance	\$17,966
13 – Electrical Power Planning*	\$51,073
14 – Permit Coordination/Tracking	\$50,094
15 – Procurement & Construction Phase	\$408,057
16 – Project Administration	\$52,870
17 – Other Services	\$78,995
18 – Environmental Const Phase Svcs	\$260,481
<b>Maximum Fee</b>	<b>\$2,685,433</b>

Fee Schedule

The work is proposed to be contracted on an hourly rate basis. Kimley-Horn's subconsultants account for 59.9% of the total anticipated effort, with 59.1% 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 8, 2021 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 2021 through February 2022 for the Authority's Phase 1B Program.



February 8, 2021

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. 5  
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 is scheduled to be completed in 2018. Phase 1B consists of infrastructure to be delivered by the end of 2023 and includes groundwater wells, water treatment plant, transmission mains, booster pump station, 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 2023. In performing the services, the Owner’s Representative will operate as an extension of, and in complete coordination with, Alliance Water’s staff. While maintaining a high level of coordination with Alliance Water, the Owner’s Representative will be 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 fully and effectively perform the services throughout the term of this Agreement.

Work Order No. 5 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 includes:

- 2.1. Stakeholder identification
- 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 includes:

- 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 – monthly
  - 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 includes:

- 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 includes:

- 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 includes:

- 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, ensure 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 basemapping) – 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.

**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 includes:

- 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 includes:

- 8.1. Perform regular coordination with Land Acquisition Consultant Team (including weekly progress meetings) to discuss ongoing activities, schedule, potential issues, deliverables, and other items related to their scope of work.
- 8.2. Assist with the review of Land Acquisition Consultant Team monthly invoices.
- 8.3. Perform continuous tracking of Land Acquisition 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 and provide comments to the Land Acquisition Consultant Team.
- 8.5. Perform as-needed site visits with Land Acquisition Consultant Team.
- 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 prepared by Land Acquisition Consultant Team.
- 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:**

- Land Acquisition Team 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 includes:

- 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 include:

- 10.1. Development of 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 ensure 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. Hydrogeology / Well Drilling
- 11.2. Raw Water Infrastructure
- 11.3. Water Treatment Plant and High Service Pump Station
- 11.4. Transmission Pipelines (5 contracts)

- 11.5. Administration Building and Operations Center
- 11.6. Booster Pump Station and Delivery Points
- 11.7. Elevated Storage Tanks
- 11.8. Program Survey

The following tasks shall 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.
- 11.9. Commissioning Planning – This task includes evaluating potential options for start-up and commissioning of the Phase 1B infrastructure, including coordination with Alliance Water members (sponsors) and other water utilities in the vicinity of the Phase 1B infrastructure.

**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, including 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
  - 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. 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

**Note:** *the Owner’s Representative will perform procurement and construction phase services associated with the SCADA and Security elements to be included under the Water Treatment Plant and High Service Pump Station contract. The Owner’s Representative shall lead the effort for these elements under Task 15, while coordinating with the design consultant.*

**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-needed 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 Exception Request and Interconnect Submittals – This task includes compilation and preparation of the exception requests for the transmission pipelines associated with: minimum pressures, sampling frequency and creek crossings. This task will include

coordinating information from Design Consultants, submitting supporting documents to TCEQ and providing updated information as requested by the TCEQ. This task also includes the planning and coordination effort associated with the interconnect submittals that will be required for each delivery point.

- 17.3. Other Tasks as Assigned by Alliance Water – These tasks may include items such as: desktop-level analyses of specific technical topics (such as water quality), preparation of presentations related to technical or risk topics, and other services as requested by Alliance Water.

**Task Meetings:**

- None

**18. Environmental Construction Phase Services**

Perform services on an as-needed 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 as needed or required 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 as needed or required 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 approval. 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 providing on-call hazardous material investigations as needed 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 to the location to evaluate and document site conditions and, if warranted, collect samples for environmental laboratory analyses. Consultant 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 within 2 business days of receiving 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 following number of days would be needed per facility/segment:
  - Two (2) days would be required for WTP survey.
  - One (1) day would be required for BPS survey.
  - Ten (10) days for Segment A.
  - Ten (10) days for Segment B.
  - Segments D and E would not require nest surveys since the construction would start outside of nesting season.
- 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 days would be required per segment to take photos for jurisdictional crossings. This excludes Segment E as there are no impacts to jurisdictional waters for the segment.
- 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, B, and D in this Work Order.
- 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 with the maximum fee shown below.

Task 1	Program Management Plan	\$ 32,262.00
Task 2	Stakeholder Coordination	\$ 279,683.00
Task 3	Budgeting	\$ 110,861.00
Task 4	Schedule	\$ 81,192.00
Task 5	Reporting	\$ 47,110.00
Task 6	Data Management	\$ 91,576.00
Task 7	Environmental Management	\$ 84,390.00
Task 8	Land Acquisition Management	\$ 509,587.00
Task 9	TWDB Management	\$ 83,558.00
Task 10	Design Standards	\$ 84,403.00
Task 11	Engineering Design Management	\$ 361,276.00
Task 12	Quality Assurance	\$ 17,966.00
Task 13	Electrical Power Planning	\$ 51,073.00
Task 14	Permit Coordination/Tracking	\$ 50,094.00
Task 15	Procurement and Construction Phase Services	\$ 408,057.00
Task 16	Project Administration	\$ 52,870.00
Task 17	Other Services	\$ 78,995.00
Task 18	Environmental Construction Phase Services	\$ 260,480.00
	Maximum Fee	\$2,685,433.00

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. 5

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		X	X
PIPELINE SEGMENT B							X		X	X
PIPELINE SEGMENT C							X	X	X	
PIPELINE SEGMENT D							X	X	X	X
PIPELINE SEGMENT E							X	X	X	X
WELL DRILLING										X
OPS. CENTER & ADMIN. BUILDING	X	X	X	X	N/A	X	N/A	X		
RAW WATER INFRASTRUCTURE							X	X	X	X
WATER TREATMENT PLANT							X	X	X	X
BOOSTER PUMP STATION & DELIVERY POINTS							X	X	X	X
ELEVATED STORAGE TANKS						X	X	X	X	

**Alliance Regional Water Authority Owner's Representative  
 Work Order No. 5 Rate Schedule  
 (Hourly Rate)**

QA/QC Engineer / Senior Project Manager / Principal	\$275
Senior Technical Advisor / Deputy Project Manager	\$235
Senior Instrumentation / Electrical Engineer	\$225
Property Acquisition Manager	\$221
Senior Scheduler	\$218
Senior Architect	\$205
Senior Environmental Manager	\$200
Senior Engineer	\$185
GIS Specialist	\$170
Instrumentation / Electrical Engineer	\$170
Senior Biologist	\$165
Civil Engineer	\$165
GIS Developer	\$160
IT Professional	\$150
Architectural Project Manager	\$135
CADD Operator / Senior Technician	\$135
Engineer-in-Training	\$130
GIS Analyst	\$130
Biologist	\$120
Acquisition Specialist	\$116
Senior Historian	\$110
Document Control Specialist	\$103
Administrative Staff / Technician	\$95
Archeologist	\$85















<b>Alliance Water</b>						<b>Project Fee Summary</b>		
<b>Owners Representative</b>						<b>Total Effort</b>	\$	170,814
<b>2/5/2021</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	\$218.00	\$103.00						
<b>Task 1 - Program Management Plan Updates</b>						\$ 2,180	\$ 40	\$ 2,220	
1.1	Communication Protocol				0	\$ -		\$ -	
1.2	Document Control / Data Management Protocol				0	\$ -		\$ -	
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	5			5	\$ 1,090	\$ 20	\$ 1,110	Assume one meeting at Kimley-Horn
1.11	Schedule Protocol	5			5	\$ 1,090	\$ 20	\$ 1,110	Assume one meeting at Kimley-Horn
1.12	Reporting Protocol				0	\$ -		\$ -	
1.13	Permit Management Protocol				0	\$ -		\$ -	
1.14	GBRA & PAC Protocol				0	\$ -		\$ -	
1.15	Procurement Protocol				0	\$ -		\$ -	
1.16	Construction Protocol				0	\$ -		\$ -	
1.17	PMP Appendices				0	\$ -		\$ -	
<b>Task 2 - Stakeholder Coordination</b>						\$ 10,464	\$ 100	\$ 10,564	
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				0	\$ -		\$ -	
2.2.3	PAC				0	\$ -		\$ -	
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				0	\$ -		\$ -	
2.4	Alliance Water Technical Committee and Board Meetings				0	\$ -		\$ -	
2.5	PAC Meetings				0	\$ -		\$ -	
2.6	Other ARWA Consulting Services - as part of Coord. Mtg. with ED.				0	\$ -		\$ -	
2.7	Texas Commission on Environmental Quality - Meetings				0	\$ -		\$ -	
2.8	Texas Department of Transportation - Meetings				0	\$ -		\$ -	
2.9	Union Pacific Railroad - Meetings				0	\$ -		\$ -	
2.10	Counties - Meetings				0	\$ -		\$ -	
2.11	Cities - Meetings				0	\$ -		\$ -	
2.12	Other Utilities/Entities - Meetings				0	\$ -		\$ -	
2.13	Internal Program Monthly Meetings	48			48	\$ 10,464	\$ 100	\$ 10,564	4 hours per month for 12 months; Allowance for mileage

<b>Alliance Water</b>						<b>Project Fee Summary</b>		
<b>Owners Representative</b>						<b>Total Effort</b>	\$	170,814
<b>2/5/2021</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	\$218.00	\$103.00						
<b>Task 3 - Budgeting</b>									
3.1	Perform Monthly Budget Updates	306			306	\$ 66,708	\$ 210	\$ 66,708	46 hours per month March through July then reducing as projects
3.1.1	Track costs to the Phase 1B Program vs. the anticipated budget				0	\$ -		\$ -	move to construction, ending at 12 hours per mo. with everything
3.1.2	Coordinate with applicable parties to receive current OPCC data				0	\$ -		\$ -	in construction.
3.1.3	Identify budget deviations and coordinate with applicable parties				0	\$ -		\$ -	
3.2	Prepare Budget Updates				0	\$ -		\$ -	
3.2.1	Executive Director (Monthly)	22			22	\$ 4,796	\$ 210	\$ 5,006	Assume quarterly reports plus two meetings with travel and mileage
3.2.2	Alliance Water Board and Technical Committee (Quarterly)	8			8	\$ 1,744		\$ 1,744	
3.2.3	PAC (Quarterly)	8			8	\$ 1,744		\$ 1,744	
3.2.4	TWDB (Quarterly)	8			8	\$ 1,744		\$ 1,744	
3.2.5	Public (Quarterly)				0	\$ -		\$ -	
3.3	Program Cost Evaluation				0	\$ -		\$ -	
<b>Task 4 - Schedule</b>									
4.1	Perform Monthly Schedule Updates	240			240	\$ 52,320	\$ -	\$ 52,320	28 hours per month March through June, then reducing as projects
4.1.1	Coordinate with applicable parties to obtain current schedules				0	\$ -		\$ -	move to construction, ending at 9 hours per month in February
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				0	\$ -		\$ -	
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				0	\$ -		\$ -	
<b>Task 5 - Reporting</b>									
<b>Task 6 - Data Management</b>									
6.1	Overall Data Management		160		160	\$ 16,480	\$ -	\$ 16,480	28 hours per month March through June, then reducing as projects
6.1.1	Perform admin. Support functions for overall project record keeping				0	\$ -		\$ -	move to construction, ending with 8 hours per month in February
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	\$ -		\$ -	
6.2	Microsoft SharePoint		60		60	\$ 6,180		\$ 6,180	
6.2.1	Perform ongoing data management of documents within SharePoint				0	\$ -		\$ -	
6.3	Interactive Web-based GIS				0	\$ -		\$ -	
6.3.1	Perform ongoing incorporation of data within ArcGIS				0	\$ -		\$ -	
6.4	Deliverables				0	\$ -		\$ -	

<b>Alliance Water</b>				<b>Project Fee Summary</b>			
<b>Owners Representative</b>				<b>Total Effort</b>	\$ 170,814		
<b>2/5/2021</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
	<b>Hourly Bill Rate</b>	\$218.00	\$103.00						
6.4.1	Hard copy deliverable to be provided to Alliance Water				0	\$ -		\$ -	
6.4.1.1	Meeting Agendas				0	\$ -		\$ -	
6.4.1.2	Program status reports				0	\$ -		\$ -	
6.4.1.3	Copies of the PMP				0	\$ -		\$ -	
6.4.1.4	Exhibits				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>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>					\$ 6,104	\$ -	\$ 6,104	Three hours per mo. March through June, then reducing to 2 hours per month.
16.1	Invoicing	28			28	\$ 6,104		\$ 6,104	
16.2	Project Management				0	\$ -		\$ -	
	<b>Task 17 - Other Services</b>					\$ -	\$ -	\$ -	
	<b>Task 18 - Environmental Construction Phase Services</b>					\$ -	\$ -	\$ -	
					<b>Grand Total</b>	\$ 170,464	\$ 350	\$ 170,814	









<b>Alliance Water</b> <b>Owners Representative</b> <b>2/5/2021</b> <b>Detailed Overall CP&amp;Y Cost Breakdown</b>	<b>Project Fee Summary</b> Total Effort \$ 926,211
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Basic Services																						
Task	Project Role	QA/QC / Senior Mngr / Principal	Senior Tech. Avis / Deputy Pj Mngr	Senior Instrumentation / Electrical Engineer	Senior Environmental Manager	Senior Engineer	GIS Specialist	Civil Engineer	Senior Biologist	CADD Operator / Senior Technician	Engineering-in-Training	Biologist	GIS Analyst	Administrative Staff / Technician	Archeologist	Senior Historian		Total Hours	Total Labor Effort	Total Expense Effort	Total Effort	Assumptions
	Hourly Bill Rate	\$275.00	\$235.00	\$225.00	\$200.00	\$185.00	\$170.00	\$165.00	\$165.00	\$135.00	\$130.00	\$120.00	\$130.00	\$95.00	\$85.00	\$110.00						
	Addenda Review			4		8												12	\$ 2,380		\$ 2,380	
	Proposal Evaluation and Recommendation			2		4	4											10	\$ 1,870		\$ 1,870	
	Committee and Board Items					4												4	\$ 740		\$ 740	
	Execution of Contract					40												40	\$ 7,400		\$ 7,400	
	Construction Phase Services																	0	\$ -		\$ -	
	Administration					24												24	\$ 4,440		\$ 4,440	
	Preconstruction Meetings					8												8	\$ 1,480		\$ 1,480	
	Monthly Construction Meetings					40												40	\$ 7,400		\$ 7,400	
	Construction Activities																	0	\$ -		\$ -	
	Submittals		2	40		24	20				8							94	\$ 18,350		\$ 18,350	
	Substitutions			20														20	\$ 4,500		\$ 4,500	
	Request for Information			20		8	20											48	\$ 9,380		\$ 9,380	
	Pay Request					4												4	\$ 740		\$ 740	
	Defective Work		4			8					8							20	\$ 3,460		\$ 3,460	
	Change Orders					8												8	\$ 1,480		\$ 1,480	
	Record Drawings																	0	\$ -		\$ -	
	Commissioning																	0	\$ -		\$ -	
	Substantial Completion																	0	\$ -		\$ -	
	Final Walkthrough																	0	\$ -		\$ -	
	Warranty Walkthrough																	0	\$ -		\$ -	
15.5	Management and Coordination of Admin. Building and Ops. Center																	0	\$ -		\$ -	
15.6	Management and Coordination of BPS & Delivery Points																	0	\$ -		\$ -	
15.7	Management and Coordination of Elevated Storage Tanks																	0	\$ -		\$ -	
15.8	Management and Coordination of Program Survey																	0	\$ -		\$ -	
	<b>Task 16 - Project Administration</b>																		\$ 11,420	\$ -	\$ 11,420	
16.1	Invoicing		12			8								24				44	\$ 6,580		\$ 6,580	
16.2	Project Management		8			16												24	\$ 4,840		\$ 4,840	
	<b>Task 17 - Other Services</b>																		\$ 46,200	\$ 1,500	\$ 47,700	
17.1	Water Quality Testing and Coordination		8			16		40			40							104	\$ 16,640	\$ 500	\$ 17,140	
17.2	TCEQ Exception Request and Interconnect Submittals		24					40			60			40				164	\$ 23,840	\$ 500	\$ 24,340	
17.3	Other design tasks as assigned by Alliance Water		8			8		8			8							32	\$ 5,720	\$ 500	\$ 6,220	
	<b>Task 18 - Environmental Construction Phase Services</b>																		\$ 138,400	\$ 98,401	\$ 236,801	
18.1	Pre-Construction Meeting with Contractor								24									24	\$ 3,960		\$ 3,960	CP&Y effort
18.2	Migratory Bird Nest Survey								340			360	16					716	\$ 101,380	\$ 12,000	\$ 113,380	CP&Y effort
18.3	Cultural Resources							16						8				24	\$ 3,400	\$ 7,960	\$ 11,360	Hicks is shown in Expense. CPY hours for Agency Coord/Sub Mgmt.
18.4	Encountered Protected Species							20						8				28	\$ 4,060	\$ 11,005	\$ 15,065	Hicks is shown in Expense. CPY hours for Agency Coord/Sub Mgmt.
18.5	USACE Compliance and Reporting							40				60	24					124	\$ 16,920		\$ 16,920	CP&Y effort
18.6	Hazardous Materials On-Call							48						8				56	\$ 8,680	\$ 67,436	\$ 76,116	Braun shown in Expense. CPY hours for sub management.
	<b>Grand Total</b>																		\$ 822,810	\$ 103,401	\$ 926,211	

<b>Alliance Water</b> <b>Owners Representative</b> <b>2/5/2021</b> <b>Detailed Overall Grubb Cost Breakdown</b>	<b>Project Fee Summary</b>	
	<b>Total Effort</b>	\$ 44,200

Basic Services										
Task	Project Role	QA/QC / Senior Mgr / Principal	Senior Engineer	Administrative Staff / Technician		Total Hours	Total Labor Effort	Total Expense Effort	Total Effort	Assumptions
	Hourly Bill Rate	\$275.00	\$185.00	\$95.00						
	<b>Task 1 - Program Management Plan Updates</b>						\$ -	\$ -	\$ -	
	<b>Task 2 - Stakeholder Coordination</b>						\$ -	\$ -	\$ -	
	<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>						\$ -	\$ -	\$ -	
	<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>						\$ 42,680	\$ -	\$ 42,680	
13.1	Perform Prelim. Analyses to determine approx. demand and energy	18	12	4		34	\$ 7,550		\$ 7,550	
13.2	Develop a strategy for cont., gathering system quality, and reliability data	8	4	1		13	\$ 3,035		\$ 3,035	
13.3	Coordination with Electrical Service Providers to evaluate costs	20	12	2		34	\$ 7,910		\$ 7,910	
13.4	Assist Alliance Water with negotiations on the electrical supply agr.	36	20	3		59	\$ 13,885		\$ 13,885	
13.5	Assist Alliance Water by defining special equipment needs	8	2			10	\$ 2,570		\$ 2,570	
13.6	Alliance Water and Electrical Service Providers Coord. Meetings	20	10	4		34	\$ 7,730		\$ 7,730	
	<b>Task 14 - Permit Coordination/Tracking</b>						\$ -	\$ -	\$ -	
	<b>Task 15 - Procurement and Construction Phase Services</b>						\$ -	\$ -	\$ -	
	<b>Task 16 - Project Administration</b>						\$ 1,520	\$ -	\$ 1,520	
16.1	Invoicing			16		16	\$ 1,520		\$ 1,520	
16.2	Project Management					0	\$ -		\$ -	
	<b>Task 17 - Other Services</b>						\$ -	\$ -	\$ -	
	<b>Task 18 - Environmental Construction Phase Services</b>						\$ -	\$ -	\$ -	
<b>Grand Total</b>							\$ 44,200	\$ -	\$ 44,200	

<b>Alliance Water</b> <b>Owners Representative</b> <b>2/5/2021</b> <b>Detailed Overall Spitzer Cost Breakdown</b>	<b>Project Fee Summary</b>	
	<b>Total Effort</b>	\$ 446,290

Basic Services										
Task	Project Role	Property Acquisition Manager	Acquisition Specialist	Document Control Specialist		Total Hours	Total Labor Effort	Total Expense Effort	Total Effort	Assumptions
	<b>Hourly Bill Rate</b>	\$221.00	\$116.00	\$103.00						
<b>Task 1 - Program Management Plan Updates</b>										
1.1	Communication Protocol					0	\$ -	\$ -	\$ -	
1.2	Document Control / Data Management Protocol					0	\$ -	\$ -	\$ -	
1.3	Quality Assurance Plan					0	\$ -	\$ -	\$ -	
1.4	Milestone Review Process Protocol					0	\$ -	\$ -	\$ -	
1.5	Risk Management Plan					0	\$ -	\$ -	\$ -	
1.6	Land Acquisition Protocol	15		10		25	\$ 4,345	\$ -	\$ 4,345	
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					0	\$ -	\$ -	\$ -	
1.16	Construction Protocol					0	\$ -	\$ -	\$ -	
1.17	PMP Appendices					0	\$ -	\$ -	\$ -	
<b>Task 2 - Stakeholder Coordination</b>										
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					0	\$ -	\$ -	\$ -	
2.2.3	PAC					0	\$ -	\$ -	\$ -	
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	48				48	\$ 10,608	\$ -	\$ 10,608	
2.4	Alliance Water Technical Committee and Board Meetings					0	\$ -	\$ -	\$ -	
2.5	PAC Meetings					0	\$ -	\$ -	\$ -	
2.6	Other ARWA Consulting Services - as part of Coord. Mtg. with ED.					0	\$ -	\$ -	\$ -	
2.7	Texas Commission on Environmental Quality - Meetings					0	\$ -	\$ -	\$ -	
2.8	Texas Department of Transportation - Meetings					0	\$ -	\$ -	\$ -	
2.9	Union Pacific Railroad - Meetings					0	\$ -	\$ -	\$ -	
2.10	Counties - Meetings					0	\$ -	\$ -	\$ -	
2.11	Cities - Meetings					0	\$ -	\$ -	\$ -	
2.12	Other Utilities/Entities - Meetings					0	\$ -	\$ -	\$ -	

<b>Alliance Water</b> <b>Owners Representative</b> <b>2/5/2021</b> <b>Detailed Overall Spitzer Cost Breakdown</b>	<b>Project Fee Summary</b>	
	<b>Total Effort</b>	\$ 446,290

Basic Services										
Task	Project Role	Property Acquisition Manager	Acquisition Specialist	Document Control Specialist		Total Hours	Total Labor Effort	Total Expense Effort	Total Effort	Assumptions
	<b>Hourly Bill Rate</b>	\$221.00	\$116.00	\$103.00						
2.13	Internal Program Monthly Meetings	40				40	\$ 8,840		\$ 8,840	
	<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>						\$ 421,261	\$ -	\$ 421,261	
8.1	Perform regular coordination with Ld. Acq. Cons.	600		900		1,500	\$ 225,300		\$ 225,300	
8.2	Assist with the review of Ld. Acq. Cons. monthly invoices	24		48		72	\$ 10,248		\$ 10,248	
8.3	Continuous tracking of Land Acq. Scope of work & amendments	20				20	\$ 4,420		\$ 4,420	
8.4	Review land acquisition data for conformance to the PMP/RAMP	24		320		344	\$ 38,264		\$ 38,264	
8.5	Perform as-needed site visits with Ld. Acq. Cons.	5				5	\$ 1,105		\$ 1,105	
8.6	Coordinated site visits with those identified in Task 7 and 11	5				5	\$ 1,105		\$ 1,105	
8.7	Review and comment on TWDB land acquisition deliverables	15		6		21	\$ 3,933		\$ 3,933	
8.8	Coord. with landowners to facilitate access for Consultants for field work	12	120			132	\$ 16,572		\$ 16,572	
8.9	Assist in resolution of title issues	100	500	72		672	\$ 87,516		\$ 87,516	
8.10	Weekly Mtg with Alliance Water and Special Counsel	78				78	\$ 17,238		\$ 17,238	
8.11	Other Ld. Acq. services as identified and assigned by Alliance Water					0	\$ -		\$ -	
8.12	Land Acq. Team progress meetings	38	28	38		104	\$ 15,560		\$ 15,560	
	<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>						\$ 1,236	\$ -	\$ 1,236	
16.1	Invoicing			12		12	\$ 1,236		\$ 1,236	
16.2	Project Management					0	\$ -		\$ -	
	<b>Task 17 - Other Services</b>						\$ -	\$ -	\$ -	
17.1	Water Quality Testing and Coordination					0	\$ -		\$ -	
17.2	TCEQ Exception Request and Interconnect Submittals					0	\$ -		\$ -	
17.3	Other design tasks as assigned by Alliance Water					0	\$ -		\$ -	
	<b>Task 18 - Environmental Construction Phase Services</b>						\$ -	\$ -	\$ -	
18.1	Pre-Construction Meeting with Contractor					0	\$ -		\$ -	
18.2	Migratory Bird Nest Survey					0	\$ -		\$ -	
18.3	Cultural Resources					0	\$ -		\$ -	
18.4	Encountered Protected Species					0	\$ -		\$ -	
18.5	USACE Compliance and Reporting					0	\$ -		\$ -	
<b>Grand Total</b>							\$ 446,290	\$ -	\$ 446,290	

<b>Alliance Water</b>							<b>Project Fee Summary</b>		
<b>Owners Representative</b>							<b>Total Effort</b>	\$	446,290
<b>2/5/2021</b>									
<b>Detailed Overall Spitzer Cost Breakdown</b>									

<b>Basic Services</b>									
Task	Project Role	Property Acquisition Manager	Acquisition Specialist	Document Control Specialist	Total Hours	Total Labor Effort	Total Expense Effort	Total Effort	Assumptions
	<b>Hourly Bill Rate</b>	\$221.00	\$116.00	\$103.00					



<b>Alliance Water</b> <b>Owners Representative</b> <b>2/5/2021</b> <b>Detailed Overall RVK Group Cost Breakdown</b>	<b>Project Fee Summary</b>	
	<b>Total Effort</b>	<b>\$ -</b>

Basic Services										
Task	Project Role	Administrative Staff / Technician	Senior Architect	Architectural Project Manager		Total Hours	Total Labor Effort	Total Expense Effort	Total Effort	Assumptions
	Hourly Bill Rate	\$95.00	\$210.00	\$135.00						
	<b>Task 1 - Program Management Plan Updates</b>						\$ -	\$ -	\$ -	
	<b>Task 2 - Stakeholder Coordination</b>						\$ -	\$ -	\$ -	
	<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>						\$ -	\$ -	\$ -	
	<b>Task 9 - Texas Water Development Board Management</b>						\$ -	\$ -	\$ -	
	<b>Task 10 - Design Standards Updates</b>						\$ -	\$ -	\$ -	
	<b>Task 11 - Engineering Design Management</b>						\$ -	\$ -	\$ -	
11.1	Management and Coordination of Hydrogeology/Well Drilling					0	\$ -		\$ -	
11.2	Management and Coordination of Well Pumps and Raw Water Inf.					0	\$ -		\$ -	
11.3	Management and Coordination of WTP and HSPS					0	\$ -		\$ -	
11.4	Management and Coordination of Transmission Pipeline (5 Contracts)					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	\$ -		\$ -	
11.7	Management and Coordination of Elevated Storage Tanks					0	\$ -		\$ -	
11.8	Management and Coordination of Program Survey					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>Alliance Water</b> <b>Owners Representative</b> <b>2/5/2021</b> <b>Detailed Overall RVK Group Cost Breakdown</b>	<b>Project Fee Summary</b>	
	<b>Total Effort</b>	\$ -

Basic Services										
Task	Project Role	Administrative Staff / Technician	Senior Architect	Architectural Project Manager		Total Hours	Total Labor Effort	Total Expense Effort	Total Effort	Assumptions
	Hourly Bill Rate	\$95.00	\$210.00	\$135.00						
	<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>						\$ -	\$ -	\$ -	
	<b>Task 17 - Other Services</b>						\$ -	\$ -	\$ -	
17.1	Water Quality Testing and Coordination					0	\$ -		\$ -	
17.2	TCEQ Exception Request and Interconnect Submittals					0	\$ -		\$ -	
17.3	Other design tasks as assigned by Alliance Water					0	\$ -		\$ -	
	<b>Task 18 - Environmental Construction Phase Services</b>						\$ -	\$ -	\$ -	
	<b>Grand Total</b>						\$ -	\$ -	\$ -	

<b>Alliance Water</b> <b>Owners Representative</b> <b>2/5/2021</b> <b>Detailed Overall V&amp;A Cost Breakdown</b>	<b>Project Fee Summary</b>	
	<b>Total Effort</b>	\$ 22,015

Basic Services														
Task	Project Role	QA/QC / Senior Mngnr / Principal	Senior Tech. Avis / Deputy Prj Mngnr	Senior Engineer	Civil Engineer	CADD Operator / Senior Technician	Engineering-in-Training	Administrative Staff / Technician		Total Hours	Total Labor Effort	Total Expense Effort	Total Effort	Assumptions
	<b>Hourly Bill Rate</b>	\$275.00	\$235.00	\$185.00	\$165.00	\$135.00	\$130.00	\$95.00						
	<b>Task 1 - Program Management Plan Updates</b>										\$ -	\$ -	\$ -	
	<b>Task 2 - Stakeholder Coordination</b>										\$ -	\$ -	\$ -	
	<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>										\$ -	\$ -	\$ -	
	<b>Task 9 - Texas Water Development Board Management</b>										\$ -	\$ -	\$ -	
	<b>Task 10 - Design Standards Updates</b>										\$ 18,250	\$ 200	\$ 18,450	
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	2	22	26	16	4	32	4	106	\$ 18,250	\$ 200	\$ 18,450		
10.1.6	Facility General Electrical Standards								0	\$ -	\$ -	\$ -		
10.1.5	Telemetry, Instrumentation & Controls, SCADA, and Security Standards								0	\$ -	\$ -	\$ -		
10.1.5.1	Fiber Optic Standards								0	\$ -	\$ -	\$ -		
10.1.5.2	SCADA Standards								0	\$ -	\$ -	\$ -		
10.1.5.3	I&C Standards								0	\$ -	\$ -	\$ -		
10.1.5.4	Security Standards								0	\$ -	\$ -	\$ -		
10.2	Master Specifications - Finalize								0	\$ -	\$ -	\$ -		
10.3	Record Drawings (Plans & GIS)								0	\$ -	\$ -	\$ -		
10.4	Address comments from Design Consultant Teams and Finalize								0	\$ -	\$ -	\$ -		
10.5	Standards Review Meeting								0	\$ -	\$ -	\$ -		
	<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>										\$ 3,565	\$ -	\$ 3,565	
16.1	Invoicing							10	10	\$ 950	\$ -	\$ 950		
16.2	Project Management	2	8	1					11	\$ 2,615	\$ -	\$ 2,615		
	<b>Task 17 - Other Services</b>										\$ -	\$ -	\$ -	
	<b>Task 18 - Environmental Construction Phase Services</b>										\$ -	\$ -	\$ -	
<b>Grand Total</b>											\$ 21,815	\$ 200	\$ 22,015	

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

**COMMITTEE MEMBER PACKETS**

Wednesday, February 10th, 2021 at 3:00 P.M.  
Conference Call Number: 1-903-405-2572; Code: 747 678 028#

**F.6** Discussion of legislative issues for the 87th Texas Legislature, and possible direction to Staff. ~ *Graham Moore, P.E., Executive Director*

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Background/Information

The House Natural Resources Committee members were named last week – the members consist of the following:

- Chair: Tracy King
- Vice-Chair: Cody Harris
- Lyle Larson
- Eddie Lucio III
- Armando Walle
- Rhetta Bowers
- Kyle Kacal
- Dennis Paul
- Four Price
- Ana-Maria Ramos
- Terry Wilson

On the following pages is a list of bills that have been filed that may be of interest to the Authority as of February 5, 2021. 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 2020.

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 2/5/2021

**Technical Committee Decision Needed:**

- Possible direction to Staff.

**ARWA Bill Tracking – 2021 / 87th Texas Legislature**

<b>ARWA – Bills to Support/Oppose (as of 02/05/2021)</b>				
<u>Bill Number</u>	<u>Bill Number</u>	<u>Bill Number</u>	<u>Bill Number</u>	<u>Bill Number</u>
<b>HB 666</b> <b>HB 668</b> <b>SB 152</b>	Harris Harris Perry	<ul style="list-style-type: none"> <li>• Relating to regulation of groundwater conservation districts</li> <li>• Award of attorney fees is optional</li> <li>• Groundwater rights owner can petition for rule-making</li> <li>• Notice of permit to adjacent landowners</li> </ul>		Support
<b>HB 837</b>	Lucio III	<ul style="list-style-type: none"> <li>• Requires the PUC to verify the compensation awarded to a utility by the petitioner</li> </ul>		Support
<b>HB 966</b>	Burns	<ul style="list-style-type: none"> <li>• Ch. 36 Water Code amended to change award of attorney’s fees from “shall” to “may”.</li> </ul>		Support
<b>HB 1030</b>	Shaheen	<ul style="list-style-type: none"> <li>• Allow publication on entity’s website to satisfy any other legal requirement to publish notice in a newspaper</li> </ul>		Support
<b>HB 1089</b>	Reynolds	<ul style="list-style-type: none"> <li>• Increases the tort liability limit for a governmental unit for wrongful acts committed by their employees</li> </ul>		Oppose
<b>HB 1473</b> <b>SB 526</b>	Gates Kolkhorst	<ul style="list-style-type: none"> <li>• Require special purpose districts to include a live video stream of each board meeting on the district’s website.</li> </ul>		Oppose
<b>HB 1506</b>	Zwiener	<ul style="list-style-type: none"> <li>• Condemnor would gain possession of condemned land if award is deposited within 7 days, otherwise possession would not be gained until 180 days.</li> </ul>		
<b>SB 307</b>	Eckhardt	<ul style="list-style-type: none"> <li>• Prohibits entities other than Local Government Corporation from provide wholesale water across two county lines if they commence operations after September 2021.</li> </ul>		Oppose

**ARWA Bill Tracking – 2021 / 87th Texas Legislature**

<b>ARWA – Bills to Monitor (as of 2/5/2021)</b>				
<u>Bill Number</u>	<u>Sponsor</u>	<u>General Information</u>	<u>Committee</u>	<u>ARWA Position</u>
<b>HB 263</b>	Meza	<ul style="list-style-type: none"> <li>Relating to rest breaks for employees of certain contractors with a governmental entity</li> </ul>		Monitor
<b>HB 348</b>	Zwiener	<ul style="list-style-type: none"> <li>Relating to a requirement to make certain environmental and water use permit applications available online</li> </ul>		Monitor
<b>HB 692</b>	Shine	<ul style="list-style-type: none"> <li>Relates to retainage requirements for certain public works construction projects</li> </ul>		Monitor
<b>HB 749</b> <b>SB 234</b>	Middleton Hall	<ul style="list-style-type: none"> <li>Prohibits political subdivision from spending public funds on lobbyists</li> </ul>		Monitor
<b>HB 768</b>	Patterson	<ul style="list-style-type: none"> <li>Extends a requirement to make video and audio of a regular public meeting available on the internet. Requirements match those of school board meetings.</li> </ul>		Monitor
<b>HB 776</b>	Walle	<ul style="list-style-type: none"> <li>Clarifies contract requirements for workers' compensation on construction projects</li> </ul>		Monitor
<b>HB 863</b>	Romero	<ul style="list-style-type: none"> <li>Requires an audit of public work contract to verify compliance with prevailing wage rate requirements</li> </ul>		Monitor
<b>HB 901</b>	Burns	<ul style="list-style-type: none"> <li>Applies to private entities only: Establishes criteria that company must meet to make a bona fide offer and includes some requirements for the conveyance documents</li> </ul>		Monitor
<b>HB 902</b>	Burns	<ul style="list-style-type: none"> <li>Require the AG to establish an ombudsman office to provide info to landowners whose property is being taken by eminent domain. Includes continuing education for ROW agents. Comprehensive changes to the Property Code.</li> </ul>		Monitor

**ARWA Bill Tracking – 2021 / 87th Texas Legislature**

<b>HB 1130</b>	White	<ul style="list-style-type: none"> <li>Ch. 251 of Utilities Code is amended to include civil remedies for failure of underground utilities to comply with the Chapter.</li> </ul>		Monitor
<b>HB 1336</b>	Pacheco	<ul style="list-style-type: none"> <li>Requires contractors to comply with E-verify program in order to be eligible for a contract for goods and services.</li> </ul>		Monitor
<b>HB 1435</b>	Lucio III	<ul style="list-style-type: none"> <li>Changes CCN certification by PUC to authorize a municipal single certification only if the PUC finds the retail public utility is incapable of providing service and to establish compensation.</li> </ul>		Monitor
<b>SB 423</b>	Hinojosa	<ul style="list-style-type: none"> <li>Amends Ch 21 of Property Code to allow special commissioners' hearing notices in an eminent domain proceeding in manners as allowed by Texas Rules of Civil Procedure for citation.</li> </ul>		Monitor

**END**

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

**COMMITTEE MEMBER PACKETS**

Wednesday, February 10th, 2021 at 3:00 P.M.  
Conference Call Number: 1-903-405-2572; Code: 747 678 028#

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

Gonzales County Underground Water Conservation District (GCUWCD)

The GCUWCD is scheduled to meet on February 9th – a verbal update will be provided to the Board on any items affecting the Authority.

Plum Creek Conservation District (PCCD)

The PCCD is scheduled to meet on February 16th. A meeting is scheduled at the PCCD Staff's request to discuss the obligations of Alliance Water to install monitoring wells as part of its PCCD permit. The meeting is scheduled for February 9<sup>th</sup> – Staff will provide a verbal update to the Committee on the discussion.

Groundwater Management Area 13

GMA-13 held a meeting on February 5th. The group received a presentation that indicated the models have substantial error in modeling future groundwater levels. The TWDB is in the process of updating the groundwater availability model (GAM) for this area, but it will not be available until the next round of desired future conditions.

Region L Planning Group

Region L held a meeting on February 4<sup>th</sup>. The Administrator was authorized to seek applications to fill current vacancies on the group. At the May meeting the Administrator expects to seek approval to seek applications for currently filled positions whose terms expire in 2021.

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 10th, 2021 at 3:00 P.M.  
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- 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*

Board Meeting

- The February Board meeting will be held Virtually on Wednesday, February 24th.

Consultant Invoices Paid

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

**FY 20-21 CONSULTANT INVOICES PAID in JANUARY 2021**

Consultant	Total Authorized	Current Invoice	Invoiced-to-Date	% of Contract Invoiced	Remaining	Notes/Anomalies
LAN - Kyle/Buda Design	\$76,971.62	\$4,905.28	\$10,647.78	14%	\$66,323.84	
RW Harden	\$30,000.00	\$0.00	\$322.31	1%	\$29,677.69	
Tx Solutions Group	\$72,000.00	\$6,000.00	\$24,000.00	33%	\$48,000.00	
BGE - Ph 1A CA	\$7,110.08	\$0.00	\$0.00	0%	\$7,110.08	
Kent Alan Sick - ROW Legal	\$45,000.00	\$0.00	\$3,929.34	9%	\$41,070.66	
LNV - GIS Svcs	\$16,693.63	\$3,622.50	\$5,617.50	34%	\$11,076.13	
Armstrong, Vaughan & Associates, P.C.	\$10,930.00	\$0.00	\$0.00	0%	\$10,930.00	
J.R. Tolles & Associates, Inc.	\$245,000.00	\$18,461.00	\$56,639.00	23%	\$188,361.00	
Lloyd Gosselink Rochelle & Townsend	\$105,000.00	\$3,997.50	\$18,906.50	18%	\$86,093.50	
CD&P - Public Relations	\$35,404.50	\$3,397.75	\$10,368.25	29%	\$25,036.25	
MLA Labs, Inc. - Segment B	\$6,773.00	\$0.00	\$398.00	6%	\$6,375.00	
HDR - 2021 Rate Study	\$16,125.00	\$2,418.75	\$2,418.75	15%	\$13,706.25	
<b>Total</b>	<b>\$667,007.83</b>	<b>\$42,802.78</b>	<b>\$133,247.43</b>		<b>\$533,760.40</b>	

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

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

**COMMITTEE MEMBER PACKETS**

Wednesday, February 10th, 2021 at 3:00 P.M.

Conference Call Number: 1-903-405-2572; Code: 747 678 028#

**PHASE 1B FY 20-21 CONSULTANT INVOICES PAID in JANUARY 2021**

Consultant	Total Authorized	Current Invoice	Invoiced-to-Date	% of Contract Invoiced	Remaining	Notes/ Anomalies
Kimley-Horn Ph 1B Owner's Rep WO4	\$1,319,033.52	\$286,703.80	\$545,635.30	41%	\$773,398.22	
Blanton - Environmental	\$846,735.28	\$127,010.96	\$192,202.33	23%	\$654,532.95	
LAN - Segment A	\$116,364.20	\$0.00	\$0.00	0%	\$116,364.20	
LAN - Segment A Final	\$407,554.89	\$108,492.68	\$108,492.68	27%	\$299,062.21	
KFA - Segment B	\$13,275.94	\$0.00	\$0.00	0%	\$13,275.94	
KFA - Segment B Final	\$646,633.97	\$118,346.49	\$118,346.49	18%	\$528,287.48	
BGE - Segment C Prelim	\$15,099.24	\$0.00	\$0.00	0%	\$15,099.24	
BGE - Segment C Final	\$2,242,596.09	\$400,215.53	\$400,215.53	18%	\$1,842,380.56	
FNI - Segment D Prelim	\$63,533.66	\$0.00	\$0.00	0%	\$63,533.66	
FNI - Segment D Final	\$863,654.69	\$192,898.78	\$192,898.78	22%	\$670,755.91	
Walker - Segment E Prelim	\$58,638.01	\$0.00	\$0.00	0%	\$58,638.01	
Walker - Segment E Final	\$1,040,800.61	\$117,473.05	\$117,473.05	11%	\$923,327.56	
LAN - ROW Acquisition	\$1,601,100.28	\$72,362.82	\$134,158.80	8%	\$1,466,941.48	
DTR&G	\$522,719.30	\$58,785.44	\$116,199.16	22%	\$406,520.14	
CBRE - Appraisals	\$1,784,150.00	\$59,180.00	\$59,180.00	3%	\$1,724,970.00	
CP&Y - Survey	\$984,980.00	\$0.00	\$0.00	0%	\$984,980.00	
RW Harden - WDH Const Admin	\$358,153.60	\$39,824.00	\$39,824.00	11%	\$318,329.60	
LNV - RWI	\$225,513.86	\$62,205.00	\$62,205.00	28%	\$163,308.86	
Walker Partners - WTP Final Design	\$659,499.16	\$2,386.25	\$172,997.25	26%	\$486,501.91	
FNI - BPS Prelim	\$4,772.50	\$238,761.06	\$2,386.25	50%	\$2,386.25	
FNI - BPS Final	\$712,061.63	\$2,535.85	\$238,761.06	34%	\$473,300.57	
Plummer - Inline Elevated Tank	\$42,799.42	\$2,535.85	\$2,535.85	6%	\$40,263.57	
Pape-Dawson - CM&I WO#1	\$16,880.44	\$0.00	\$2,017.53	12%	\$14,862.91	
Pape-Dawson - CM&I WO#2	\$147,500.00	\$8,715.00	\$84,820.00	58%	\$62,680.00	
Pape-Dawson - CM&I WO#3	\$74,460.00	\$35,127.50	\$56,672.50	76%	\$17,787.50	
Hicks & Co - WDH Environmental	\$15,874.00	\$0.00	\$303.00	2%	\$15,571.00	
<b>Total</b>	<b>\$14,785,657.65</b>	<b>\$2,106,557.31</b>	<b>\$2,900,988.32</b>		<b>\$11,884,669.33</b>	

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

**COMMITTEE MEMBER PACKETS**

Wednesday, February 10th, 2021 at 3:00 P.M.  
 Conference Call Number: 1-903-405-2572; Code: 747 678 028#

Approved Change Orders

- See below for Change Orders approved in January 2021

<b>CHANGE ORDERS APPROVED IN JANUARY 2021</b>				
<b>Consultant</b>	<b>Original Authorization</b>	<b>Change Orders to Date</b>	<b>Change Order Approved this Month</b>	<b>New Total Contract Amount</b>
Walker Partners: 1B Segment E	\$ 408,755.00	\$ 164,719.00	-	\$ 573,474.00
Black Castle - Phase 1A BPS Construction	\$ 4,999,080.00	\$ 126,180.74	-	\$ 5,125,260.74
RW Harden - 1B Well Drilling & Hydrogeology	\$ 114,000.00	\$ 31,380.00	-	\$ 145,380.00
Freese & Nichols: 1B BPS & DP Prelim	\$ 771,617.00	\$ 44,408.00	-	\$ 816,025.00
K Friese & Assoc.: 1B Segment B	\$ 565,417.00	\$ 60,095.00	-	\$ 625,512.00
BGE: 1B Segment C Prelim	\$ 614,626.00	\$ 34,430.00	-	\$ 649,056.00
Freese & Nichols: 1B Segment D	\$ 597,714.00	\$ 66,722.00	-	\$ 664,436.00
Walker Partners: 1B WTP (Prelim)	\$ 1,203,606.00	\$ 40,406.00	-	\$ 1,244,012.00
CP&Y: Ph 1B Program Survey	\$ 3,375,780.00	\$ 83,500.00	-	\$ 3,459,280.00
Freese & Nichols: 1B Segment D (Final)	\$ 1,999,464.00	\$ 44,216.75	-	\$ 2,043,680.75
LAN: 1B Segment A Final Design	\$ 1,903,077.00	\$ 186,591.00	-	\$ 2,089,668.00
Blanton & Assoc: Environmental Invest.	\$ 1,398,775.00	\$ 150,703.00	-	\$ 1,549,478.00
K Friese & Assoc: 1B Seg B Final Design	\$ 1,830,994.00	\$ 177,660.13	-	\$ 2,008,654.13
LAN: 1A Seg B Const Admin	\$ 108,860.01	\$ 6,204.04	-	\$ 115,064.05
Walker Partners: 1B WTP (Final)	\$ 2,900,402.00	\$ 193,971.00	-	\$ 3,094,373.00
LNV: 1B Raw Water (Design)	\$ 1,418,700.00	\$ 37,277.00	-	\$ 1,455,977.00
Walker Partners: 1B Seg E (Final)	\$ 1,190,421.00	\$ 44,561.00	-	\$ 1,234,982.00
JR Tolles: 1A CM&I	\$ 210,000.00	\$ 41,000.00	-	\$ 251,000.00
BGE: 1B Segment C Final	\$ 2,688,310.00	\$ 237,091.00	-	\$ 2,925,401.00

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

**COMMITTEE MEMBER PACKETS**

Wednesday, February 10th, 2021 at 3:00 P.M.  
Conference Call Number: 1-903-405-2572; Code: 747 678 028#

- 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 10th, 2021 at 3:00 P.M.

Conference Call Number: 1-903-405-2572; Code: 747 678 028#

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*
-

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

**COMMITTEE MEMBER PACKETS**

Wednesday, February 10th, 2021 at 3:00 P.M.  
Conference Call Number: 1-903-405-2572; Code: 747 678 028#

**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. *Possible approval of the cemetery investigation approved by the Board by Resolution 2021-01-27-004 pending approval by the Technical Committee.*
-

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

**COMMITTEE MEMBER PACKETS**  
Wednesday, February 10th, 2021 at 3:00 P.M.  
Conference Call Number: 1-903-405-2572; Code: 747 678 028#

**J. ADJOURNMENT**

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