

**Alliance Regional Water Authority  
Board of Directors**

**REGULAR MEETING**



**ALLIANCE WATER**

**BOARD MEMBER PACKETS**

Wednesday, February 22, 2023 at 3:00 P.M.

Pauline Espinosa Community Hall  
170 Charles Austin Drive, San Marcos, TX 78666

**REGULAR MEETING**  
**Alliance Regional Water Authority Board of Directors**

**BOARD MEMBER PACKETS**

Wednesday, February 22, 2023 at 3:00 PM

Pauline Espinosa Community Hall, 170 Charles Austin Drive, San Marcos, TX 78666

This Notice is posted pursuant to the Texas Open Meetings Act (Texas Government Code Chapter 551). The Alliance Regional Water Authority (the Authority) Board of Directors will hold a meeting at 3:00 PM, Wednesday, February 22, 2023, at the Pauline Espinosa Community Hall, 170 Charles Austin Drive, San Marcos, Texas. 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 register with the Executive Director at [info@alliancewater.org](mailto:info@alliancewater.org) before 3:00 p.m.)

D. CONSENT AGENDA

*The items included in the Consent Agenda portion of this meeting agenda can be considered and approved by the Board of Directors by one motion and vote. A Board member may request that an item included in the Consent Agenda be considered separately, in which event the Board of Directors will take action on the remaining Consent Agenda items and then consider the item removed from the Consent Agenda.*

D.1 Consider approval of minutes of the Regular Meeting held January 25, 2023. ~  
*Graham Moore, P.E., Executive Director*

D.2 Consider approval of financial reports for period ending December 2022. ~  
*Graham Moore, P.E., Executive Director*

E. PUBLIC HEARINGS / PRESENTATIONS

F. ITEMS FOR DISCUSSION NOT REQUIRING ACTION

F.1 Report on Technical Committee activities. ~ *Graham Moore, P.E., Executive Director*

F.2 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*

**REGULAR MEETING**  
**Alliance Regional Water Authority Board of Directors**

**BOARD MEMBER PACKETS**

Wednesday, February 22, 2023 at 3:00 PM

Pauline Espinosa Community Hall, 170 Charles Austin Drive, San Marcos, TX 78666

G. EXECUTIVE DIRECTOR AND LEGAL COUNSEL REPORTS - Update on future meeting dates, locations, status of Authority procurements, Executive Director activities, other operational activities and the status of legal issues, where no action is required. ~ *Graham Moore, P.E., Executive Director / Mike Gershon, Lloyd Gosselink Rochelle & Townsend, P.C.*

H. ITEMS FOR ACTION OR DISCUSSION/DIRECTION

H.1 Update and discussion regarding the Authority's public relations activities possible direction to staff and consultants. ~ *CD&P*

H.2 Update and possible direction to Staff regarding construction of the Authority's Phase 1B program. ~ *Toby Flinn, P.E., Pape-Dawson Engineers*

H.3 Update and discussion regarding the status of the Authority's Phase 1B program, and direction to staff and consultants. ~ *Ryan Sowa, P.E., Kimley-Horn & Associates*

H.4 Consider adoption of Resolution 2023-02-22-001 awarding a construction contract to Landmark Structures Management, LLC for the Phase 1B South Inline Elevated Storage Tank Project, contingent upon approval of the award by the Texas Water Development Board. ~ *Graham Moore, P.E., Executive Director*

H.5 Consider adoption of Resolution 2023-02-22-002 approving Work Order #3 with Plummer & Associates, Inc. for Construction Administration Services on the Authority's Phase 1B South Inline Elevated Storage Tank Project. ~ *Graham Moore, P.E., Executive Director*

H.6 Consider adoption of Resolution 2023-02-22-003 approving Work Order #7 with HVJ South Central Texas – M&J, Inc. for material testing on the Segment E Pipeline project, as recommended by the Technical Committee. ~ *Graham Moore, P.E., Executive Director*

H.7 Consider adoption of Resolution 2023-02-22-004 approving Work Order #7 with Kimley-Horn & Associates, Inc. for Owner's Representative Services for March 2023 through February 2024 for the Authority's Phase 1B Program, as recommended by the Technical Committee. ~ *Graham Moore, P.E., Executive Director*

H.8 Consider adoption of Resolution 2023-08-22-005 approving a Groundwater Development Agreement with Jordan and Ashley Beeman. ~ *Graham Moore, P.E., Executive Director*

**REGULAR MEETING**  
**Alliance Regional Water Authority Board of Directors**

**BOARD MEMBER PACKETS**

Wednesday, February 22, 2023 at 3:00 PM

Pauline Espinosa Community Hall, 170 Charles Austin Drive, San Marcos, TX 78666

H.9 Consider adoption of Resolution 2023-08-22-006 approving a Groundwater Development Agreement with Beeman Family Limited Land Partnership, A Texas Limited Partnership. ~ *Graham Moore, P.E., Executive Director*

H.10 Discussion of legislative issues for the 88<sup>th</sup> Texas Legislature, and possible direction to Staff. ~ *Scott Miller / Jeff Hecker, The Schlueter Group*

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

J. EXECUTIVE SESSION

J.1 *Executive Session pursuant to the Government Code, Section 551.071 (Consultation with Attorney) and/or Section 551.072 (Real Property Deliberations) regarding:*

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

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

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

K. ADJOURNMENT

**NOTE:** *The Board of Directors may meet in Executive Session for any purpose authorized under the Texas Open Meetings Act, Chapter 551 of the Texas Government Code, for any item listed on this agenda or as otherwise authorized by law. An announcement will be made of the basis for Executive Session. The Board of Directors may also publicly discuss any item listed on the agenda for Executive Session.*

**REGULAR MEETING**  
**Alliance Regional Water Authority Board of Directors**

**BOARD MEMBER PACKETS**

Wednesday, February 22, 2023 at 3:00 PM  
Pauline Espinosa Community Hall, 170 Charles Austin Drive, San Marcos, TX 78666

**A. CALL TO ORDER**

---

No Backup Information for this Item.

**REGULAR MEETING**  
**Alliance Regional Water Authority Board of Directors**

**BOARD MEMBER PACKETS**

Wednesday, February 22, 2023 at 3:00 PM

Pauline Espinosa Community Hall, 170 Charles Austin Drive, San Marcos, TX 78666

**B. ROLL CALL**

---

<b>NAME</b>	<b>TERM ENDS</b>	<b>PRESENT</b>
Mayor Jane Hughson (San Marcos)	April 2023	
Regina Franke (CRWA - General Manager, Crystal Clear SUD)	April 2023	
Tim Samford (Kyle – Treatment Operations Manager)	April 2024	
Blake Neffendorf – Treasurer (Buda – Assistant Director of Public Works)	April 2023	
Councilmember Mark Gleason (San Marcos)	April 2025	
Humberto Ramos – Vice Chair (CRWA – Water Resources Director)	April 2024	
Amber Schmeits (Kyle – Assistant City Manager)	April 2024	
Tyler Hjorth (San Marcos – Director, Utilities)	April 2024	
Chris Betz – Chair (CRWA – Project Coordinator, County Line SUD)	April 2025	
Derrick Turley (Kyle – Water Production Supervisor)	April 2024	
Shaun Condor (San Marcos –Director of Engineering & CIP)	April 2025	
Pat Allen (CRWA - General Manager, Green Valley SUD)	April 2023	
Paul Kite (San Marcos – Asst. Director of Public Services)	April 2025	

**REGULAR MEETING**  
**Alliance Regional Water Authority Board of Directors**

**BOARD MEMBER PACKETS**

Wednesday, February 22, 2023 at 3:00 PM

Pauline Espinosa Community Hall, 170 Charles Austin Drive, San Marcos, TX 78666

- C.** PUBLIC COMMENT PERIOD (Note: Each person wishing to speak must register with the Executive Director at [info@alliancewater.org](mailto:info@alliancewater.org) before 3:00 p.m.)
-

**REGULAR MEETING**  
**Alliance Regional Water Authority Board of Directors**

**BOARD MEMBER PACKETS**

Wednesday, February 22, 2023 at 3:00 PM  
Pauline Espinosa Community Hall, 170 Charles Austin Drive, San Marcos, TX 78666

**D. CONSENT AGENDA**

---

Items D.1 and D.2 are presented as part of the consent agenda.



**REGULAR MEETING**  
**Alliance Regional Water Authority Board of Directors**

**BOARD MEMBER PACKETS**

Wednesday, February 22, 2023 at 3:00 PM  
Pauline Espinosa Community Hall, 170 Charles Austin Drive, San Marcos, TX 78666

**D.1** Consider approval of minutes of the Regular Meeting held January 25, 2023. ~  
*Graham Moore, P.E., Executive Director*

---

Attachment(s)

- 2023 01 25 Board Meeting Minutes

**Board Decision(s) Needed:**

- Approval of minutes.



**Alliance Regional Water Authority**

**BOARD MEETING**

**MINUTES**

**Wednesday, January 25, 2023**

The following represents the actions taken by the Board of Directors of the Alliance Regional Water Authority (ARWA) in the order they occurred during the meeting. The Board of Directors convened in a meeting on Wednesday, January 25, 2023 at County Line Special Utility District Offices.

A. CALL TO ORDER.

- **The Alliance Water Board Meeting was called to order at 3:02 p.m. by Mr. Betz.**

B. ROLL CALL.

- **Present: Hughson, Samford, Neffendorf, Ramos, Hjorth, Betz, Turley, Allen and Kite.**
- **Absent: Franke, Gleason, Lewis & Condor.**

C. PUBLIC COMMENT PERIOD

- **None.**

D. CONSENT AGENDA

D.1 Consider approval of minutes of the Regular Meeting held December 21, 2022.

- **Motion to approve the consent agenda as presented made by Mr. Ramos, seconded by Mr. Hjorth and approved on a 9-0 vote.**

E. PUBLIC HEARINGS / PRESENTATIONS

- **None.**

## F. ITEMS FOR DISCUSSION NOT REQUIRING ACTION

- F.1 Report on Technical Committee activities.
- F.2 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 items opened.**

## G. EXECUTIVE DIRECTOR AND LEGAL COUNSEL REPORTS

- **Mr. Moore provided updates.**
- **No action.**

## H. ITEMS FOR ACTION OR DISCUSSION/DIRECTION

- H.1 Update and possible direction to Staff regarding construction of the Authority's Phase 1B program.
- **Toby Flinn with Pape-Dawson provided the Phase 1B Construction Update.**
  - **No Action.**
- H.2 Update and discussion regarding the status of the Authority's Phase 1B program, and direction to staff and consultants.
- **Mr. Sowa provided an update on the Phase 1B Program.**
  - **Mr. Samford questioned the cost differential between the north and south elevated storage tanks.**
  - **Mr. Sowa responded the south tank is a 1.0 million gallon tank and the north tank is a 1.5 million gallon tank. In addition GBRA shares in the cost of the south tank.**
  - **No Action.**
- H.3 Update, discussion and possible direction to Staff regarding the status of negotiations of the Carrizo Water System Operations and Maintenance Agreement with the Guadalupe-Blanco River Authority.
- **Mr. Moore provided an update on the discussions and the general timeline for likely action.**
- H.4 Update, discussion and possible direction to Staff regarding the request by the Gonzales County Underground Water Conservation District to borrow funds from the Eastern Mitigation Fund.
- **Mr. Moore provided an update on the discussions with the Gonzales District regarding the mitigation funds.**

- **Staff is requesting authorization from the Board to work with the Gonzales District to allow them to utilize \$40,000 in funds from the Eastern Mitigation Fund to the Western Mitigation Fund.**
  - **Motion to authorize Staff to work with the Gonzales District to allow \$40,000 in funds to be utilized from the Eastern Mitigation Fund in the Western Mitigation Fund, provided the funds are returned to the Eastern Fund by a date certain with interest included, was made by Mr. Hjorth, seconded by Mr. Samford and approved on a 9-0 vote.**
- H.5 Discussion and possible direction to Staff regarding the Authority's standing committees.
- **Mr. Hjorth requested the item as he wants the entity to determine if the current structure is the best way for the organization as it moves more into an operational scenario from a capital construction one.**
  - **Mr. Hjorth requested that Staff review whether a Technical Committee will still be necessary, and possibly consider a Finance and/or Executive Committee that meets periodically, while also considering moving Board meetings from monthly to quarterly.**
  - **Mr. Ramos noted that if changes are made, then policies will need to be reviewed to make sure approvals and goals align.**
  - **The possibility of a quarterly Operations Advisory Committee was also discussed.**
  - **Staff was directed to investigate and bring back to the Board options for restructuring the Board and Committees of the organization.**
- H.6 Discussion and possible adoption of the Authority's Board of Directors meeting schedule for 2023.
- **Motion approving the Board of Directors meeting schedule for 2023 was made by Mr. Neffendorf, seconded by Mr. Kite and approved on a 9-0 vote.**
- H.7 Discussion of legislative issues for the 88<sup>th</sup> Texas Legislature, and possible direction to Staff.
- **Scott Miller with The Schlueter Group attended the meeting and provided updates on the current legislative session.**
  - **No Action.**
- I. BOARD MEMBER ITEMS OR FUTURE AGENDA ITEMS
- **No discussion.**

- J.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*
- **No Executive Session**
- J.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.
- **None.**
- K. ADJOURNMENT
- **Meeting was adjourned at 4:28 p.m. based on the motion by Mr. Ramos, seconded by Mr. Hjorth on a 9-0 vote.**

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

**ATTEST:**

\_\_\_\_\_  
Chair, Board of Directors

\_\_\_\_\_  
Secretary, Board of Directors

**REGULAR MEETING**  
**Alliance Regional Water Authority Board of Directors**

**BOARD MEMBER PACKETS**

Wednesday, February 22, 2023 at 3:00 PM  
Pauline Espinosa Community Hall, 170 Charles Austin Drive, San Marcos, TX 78666

**D.2** Consider approval of financial report for the period ending December 2022. ~  
*Graham Moore, P.E., Executive Director*

---

Attachment(s)

- Financial report for the period ending December 2022.

**Board Decision(s) Needed:**

- Approval of the financial report.



# **Alliance Regional Water Authority**

**Financial Statements  
(Compilation)**

**For the One Month Ended and Year-to-Date  
December 31, 2022**

## Alliance Regional Water Authority

## Balance Sheet

01/28/23

As of December 31, 2022

Accrual Basis

	Dec 31, 22
<b>ASSETS</b>	
<b>Current Assets</b>	
<b>Checking/Savings</b>	
1004 · Broadway Bank	
1005 · Broadway Checking (8040)	-214,897.59
1010 · Broadway Savings (4415)	1,539,107.18
<b>Total 1004 · Broadway Bank</b>	<b>1,324,209.59</b>
1015 · TexStar	
1015-01 · TexStar (3310)	6,930,130.48
1015-02 · TexStar (0300)	28,313,735.47
<b>Total 1015 · TexStar</b>	<b>35,243,865.95</b>
1050 · Broadway Bank (Reserved)	
1051 · CRWA Debt Service (2785)	609,546.05
1052 · Kyle Debt Service (2787)	419,680.65
1055 · San Marcos Debt Service (6390)	528,569.19
1056 · Buda Debt Service (6391)	92,736.65
<b>Total 1050 · Broadway Bank (Reserved)</b>	<b>1,650,532.54</b>
1100 · Escrow Accounts	
1105 · BOKF, Escrow, CRWA Series 2015A	338,581.43
1106 · BOKF, Escrow, Kyle Series 2015B	224,274.46
1111 · BOKF, Escrow, CRWA Series 2019A	1,799,162.19
1112 · BOKF, Escrow, Kyle Series 2019B	1,640,738.76
1113 · BOKF, Escrow, SM Series 2019C	2,088,767.22
1114 · BOKF, Escrow, Buda Series 2019D	295,602.19
1115 · BOKF, Escrow, CRWA Series 2020A	24,305,386.27
1116 · BOKF, Escrow, CRWA 2020A-LM67	8,433,739.01
1117 · BOKF, Escrow, Kyle Series 2020B	22,163,967.12
1118 · BOKF, Escrow, Kyle 2020B-LM68	7,685,797.89
1119 · BOKF, Escrow, SM Series 2020C	28,249,340.02
1120 · BOKF, Escrow, SM 2020C-LM69	9,787,896.50
1121 · BOKF, Escrow, BUDA Series 2020D	3,902,542.26
1122 · BOKF, Escrow, Buda 2020D-LM70	1,379,502.22
1123 · BOKF, Escrow, CRWA Series 2022A	14,578,067.71
1124 · BOKF, Escrow, Kyle Series 2022B	13,285,707.35
1125 · BOKF, Escrow, SM 2022C	16,950,390.34
1126 · BOKF, Escrow, Buda Series 2022D	2,364,128.09
<b>Total 1100 · Escrow Accounts</b>	<b>159,473,591.03</b>
<b>Total Checking/Savings</b>	<b>197,692,199.11</b>
<b>Total Current Assets</b>	<b>197,692,199.11</b>
<b>Fixed Assets</b>	
1405 · Engineering & Construction Cost	2,402,294.20
1420 · Projects in Progress (Cash)	
1420-01 · Legal Support	64,673.27
1420-02 · Hydrogeologic Support	207,370.58
1420-03 · PCCD Permitting	105,095.16
1420-04 · Kyle Water Model	25,000.00
1420-11 · Legal Support, GBRA	45,251.01
<b>Total 1420 · Projects in Progress (Cash)</b>	<b>447,390.02</b>



## Alliance Regional Water Authority

## Balance Sheet

01/28/23

As of December 31, 2022

Accrual Basis

	Dec 31, 22
<b>1430 · Projects in Progress Eng (Cash)</b>	
1430-02 · Engineering - Plumbing Plan	17,663.79
1430-03 · Engineering Fees-ROW	11,594.69
1430-05 · Engineering - Rate Study	50,760.00
1430-06 · DPR Study	59,880.00
1430-07 · Alignment Study	261,120.80
1430-08 · Prelim Engineering-Well Field	65,586.00
1430-09 · GCUWCD Monitoring Wells	129,175.39
1430-10 · 2017 SWIFT Funding Apps	23,107.96
1430-11 · Blanco Basin WW	84,189.00
1430-12 · Phase 1B Programming	107,761.14
1430-13 · ARWA-GBRA MOU Study	15,000.00
1430-14 · Phase 1A GIS	59,840.62
<b>Total 1430 · Projects in Progress Eng (Cash)</b>	<b>885,679.39</b>
<b>1440 · Projects in Prog Eng. (Finance)</b>	
1440-01 · Engineering-Phase 1A Pipeline	540,838.84
1440-02 · Engineering-Phase 1A Pump Stat	1,001,947.66
1440-03 · Engineering-ROW Acquisition	405,264.67
1440-04 · Phase 1A Const Observation	1,152,629.56
1440-05 · Phase 1A-Construction Trailer	73,605.54
1440-06 · Phase 1A Segment A Construction	1,734,150.32
1440-07 · Phase 1A BPS Construction	5,142,172.37
1440-08 · Phase 1A Segment B Construction	3,980,928.06
1440-15 · Land Acquisition Phase 1B	36,719,346.24
1440-16 · Phase 1B-Owners Rep	11,631,979.54
1440-17 · Phase 1B Environmental	3,694,878.36
1440-18 · Phase 1B Segment A Design	3,035,621.40
1440-19 · Phase 1B Segment B Design	2,863,606.09
1440-20 · Phase 1B Segment C Design	3,754,591.33
1440-21 · Phase 1B Segment D Design	2,778,506.43
1440-22 · Phase 1B Segment E Design	2,218,144.20
1440-23 · Phase 1B Land Attorney	3,394,749.83
1440-24 · Phase 1B Hydrogeology	540,941.00
1440-25 · Phase 1B WTP Design	5,474,930.63
1440-26 · Raw Water Infr.	1,615,602.25
1440-27 · Phase 1B Program Survey	3,349,198.91
1440-28 · Phase 1B BPS Design	2,908,367.37
1440-29 · GVEC Construction-in-Aid	1,740,143.30
1440-30 · Phase 1B Inline Tanks	440,852.34
1440-31 · Construction Mgmt & Inspection	5,516,731.24
1440-32 · Phase 1B Construction ARWA Only	3,980,500.95
1440-33 · SCADA Programming	395,225.60
1440-34 · Materials Testing	478,218.42
1440-35 · Shared Construction	86,679,949.27
<b>Total 1440 · Projects in Prog Eng. (Finance)</b>	<b>197,243,621.72</b>
<b>1447 · Land &amp; Easements</b>	<b>938,215.70</b>
<b>1448 · Capitalized Interest</b>	
1448-51 · Cap Interest, CRWA Series 2015A	152,369.03
1448-52 · Cap Interest, Kyle Series 2015B	222,143.28
1448-53 · Cap Interest, CRWA Series 2017A	127,269.80
1448-54 · Cap Interest, Kyle Series 2017B	116,100.88
1448-55 · Cap Interest, SM Series 2017C	65,904.35
1448-56 · Cap Interest, Buda Series 2017D	9,576.21
<b>Total 1448 · Capitalized Interest</b>	<b>693,363.55</b>
<b>Total Fixed Assets</b>	<b>202,610,564.58</b>

## Alliance Regional Water Authority

## Balance Sheet

01/28/23

As of December 31, 2022

Accrual Basis

	Dec 31, 22
Other Assets	
1900 · Deferred Outflow	42,509.25
Total Other Assets	42,509.25
<b>TOTAL ASSETS</b>	<b>400,345,272.94</b>
<b>LIABILITIES &amp; EQUITY</b>	
Liabilities	
Current Liabilities	
Accounts Payable	
2000 · Accounts Payable	855,022.91
Total Accounts Payable	855,022.91
Credit Cards	
2006 · Chase Bank VISA Card	5,144.01
Total Credit Cards	5,144.01
Other Current Liabilities	
2100 · Payroll Liabilities	1.45
2102 · 401(a) Liability	3,683.41
2103 · Net Pension Liability	9,067.00
2104 · Pension Deferred Inflows	2,473.00
2106 · Accrued Vacation	42,151.49
2300 · Accrued Costs	330,643.18
2350 · Accrued Interest Payable	
2351 · Accrued Int Payable, CRWA 2015A	21,320.28
2352 · Accrued Int Payable, Kyle 2015B	31,353.03
2353 · Accrued Int Payable, CRWA 2017A	85,517.82
2354 · Accrued Int Payable, Kyle 2017B	77,998.68
2355 · Accrued Int Payable, SM 2017C	61,605.72
2356 · Accrued Int Payable, Buda 2017D	8,750.25
2357 · Accrued Int Payable, CRWA 2019A	199,548.90
2358 · Accrued Int Payable, Kyle 2019B	182,090.43
2359 · Accrued Int Payable, SM 2019C	145,155.42
2360 · Accrued Int Payable, Buda 2019D	20,583.54
2361 · Accrued Int Payable, CRWA 2020A	231,305.76
2362 · Accrued Int Payable, Kyle 2020B	210,928.68
2363 · Accrued Int Payable, SM 2020C	146,880.90
2364 · Accrued Int Payable, Buda 2020D	20,801.25
2365 · Accrued Int Payable, CRWA 2022A	78,383.04
2366 · Accrued Int Payable, Kyle 2022B	71,731.41
2367 · Accrued Int Payable, SM 2022C	72,999.75
2368 · Accrued Int Payable, Buda 2022D	10,344.93
Total 2350 · Accrued Interest Payable	1,677,299.79
Total Other Current Liabilities	2,065,319.32
Total Current Liabilities	2,925,486.24
Long Term Liabilities	
2501 · Bond Payable, CRWA Series 2015A	2,840,000.00
2502 · Bond Payable, Kyle Series 2015B	2,980,000.00
2503 · Bond Payable, CRWA Series 2017A	8,805,000.00
2504 · Bond Payable, Kyle Series 2017B	8,030,000.00
2505 · Bond Payable, SM Series 2017C	9,265,000.00
2506 · Bond Payable, Buda Series 2017D	1,315,000.00
2507 · Bond Payable, CRWA Series 2019A	25,040,000.00
2508 · Bond Payable, Kyle Series 2019B	22,845,000.00
2509 · Bond Payable, SM Series 2019C	27,815,000.00
2510 · Bond Payable, Buda Series 2019D	3,945,000.00
2511 · Bond Payable, CRWA Series 2020A	36,755,000.00
2512 · Bond Payable, Kyle Series 2020B	33,520,000.00
2513 · Bond Payable, SM Series 2020C	41,765,000.00
2514 · Bond Payable, Buda Series 2020D	5,915,000.00
2515 · Bond Payable, CRWA 2022A	14,830,000.00

## Alliance Regional Water Authority

## Balance Sheet

01/28/23

As of December 31, 2022

Accrual Basis

	<u>Dec 31, 22</u>
2516 · Bond Payable, Kyle 2022B	13,520,000.00
2517 · Bond Payable, SM 2022C	17,210,000.00
2518 · Bond Payable, Buda 2022D	2,440,000.00
<b>Total Long Term Liabilities</b>	<u>278,835,000.00</u>
<b>Total Liabilities</b>	281,760,486.24
<b>Equity</b>	
2925 · Net Investment in Capital Asset	7,521,343.98
2950 · Retained Earnings	112,431,240.29
Net Income	-1,367,797.57
<b>Total Equity</b>	<u>118,584,786.70</u>
<b>TOTAL LIABILITIES &amp; EQUITY</b>	<u><u>400,345,272.94</u></u>

**Alliance Regional Water Authority**  
**Profit Loss / Budget vs. Actual**  
**For the One Month and Three Months Ended**  
**December 31, 2022**

	December 2022	October 2022 December 2022	Annual Budget	Over/Under Budget	% of Annual Budget
<b>Ordinary Income/Expense</b>					
<b>Income</b>					
<b>4010 · Project Contribution</b>					
4011 · City of San Marcos	0.00	0.00	6,524,195.50	-6,524,195.50	0.0%
4012 · City of Kyle	0.00	0.00	4,499,330.50	-4,499,330.50	0.0%
4013 · City of Buda	0.00	0.00	928,392.50	-928,392.50	0.0%
4014 · Canyon Regional Water Authority	0.00	0.00	4,988,321.50	-4,988,321.50	0.0%
4015 · GBRA	0.00	0.00		0.00	0.0%
<b>Total 4010 · Project Contribution</b>	<b>0.00</b>	<b>0.00</b>	<b>16,940,240.00</b>	<b>-16,940,240.00</b>	<b>0.0%</b>
<b>4200 · Shared Water</b>					
4210 · Shared Water, City of Buda	19,269.00	38,595.00	0.00	38,595.00	100.0%
4211 · Shared Water, County Line SUD	43,146.77	43,146.77	0.00	43,146.77	100.0%
<b>Total 4200 · Shared Water</b>	<b>62,415.77</b>	<b>81,741.77</b>	<b>0.00</b>	<b>81,741.77</b>	<b>100.0%</b>
<b>4250 · Non Potable Water Sales</b>	<b>3,199.43</b>	<b>6,366.26</b>	<b>0.00</b>	<b>6,366.26</b>	<b>100.0%</b>
<b>4300 · Broadway Interest Income</b>					
4311 · City of San Marcos	1,649.02	3,216.13	1,250.00	1,966.13	257.29%
4312 · City of Kyle	1,195.15	2,510.62	980.00	1,530.62	256.19%
4313 · City of Buda	167.77	341.70	175.00	166.70	195.26%
4314 · Canyon Regional Water Authority	1,598.05	3,416.36	1,075.00	2,341.36	317.8%
<b>Total 4300 · Broadway Interest Income</b>	<b>4,609.99</b>	<b>9,484.81</b>	<b>3,480.00</b>	<b>6,004.81</b>	<b>272.55%</b>
<b>4350 · Escrow Accounts Income</b>					
4351 · BOKF, CRWA Series 2015A	909.91	2,257.47	0.00	2,257.47	100.0%
4352 · BOKF, Kyle Series 2015B	602.72	1,495.34	0.00	1,495.34	100.0%
4357 · BOKF, CRWA Series 2019A	4,835.13	11,995.83	0.00	11,995.83	100.0%
4358 · BOKF, Kyle Series 2019B	4,409.37	10,939.54	0.00	10,939.54	100.0%
4359 · BOKF, SM Series 2019C	5,613.42	13,926.75	0.00	13,926.75	100.0%
4360 · BOKF, Buda Series 2019D	794.41	1,970.91	0.00	1,970.91	100.0%
4361 · BOKF, CRWA Series 2020A	65,319.08	162,054.77	0.00	162,054.77	100.0%
4362 · BOKF, CRWA Series 2020A-LM67	22,665.10	56,231.48	0.00	56,231.48	100.0%
4363 · BOKF, Kyle Series 2020B	59,564.16	147,776.97	0.00	147,776.97	100.0%
4364 · BOKF, Kyle Series 2020B-LM68	20,655.06	51,244.61	0.00	51,244.61	100.0%
4365 · BOKF, SM Series 2020C	75,918.18	188,350.84	0.00	188,350.84	100.0%
4366 · BOKF, SM Series 2020C-LM69	26,304.31	65,260.23	0.00	65,260.23	100.0%
4367 · BOKF, Buda Series 2020D	10,487.82	26,019.97	0.00	26,019.97	100.0%
4368 · BOKF, Buda Series 2020D-LM70	3,707.32	9,197.75	0.00	9,197.75	100.0%
4369 · BOKF, CRWA Series 2022A	20,540.71	20,540.71	0.00	20,540.71	100.0%
4370 · BOKF, Kyle Series 2022B	19,950.35	19,950.35	0.00	19,950.35	100.0%
4371 · BOKF, SM Series 2022C	23,883.34	23,883.34	0.00	23,883.34	100.0%
4372 · BOKF, Buda Series 2022D	3,331.09	3,331.09	0.00	3,331.09	100.0%
<b>Total 4350 · Escrow Accounts Income</b>	<b>369,491.48</b>	<b>816,427.95</b>	<b>0.00</b>	<b>816,427.95</b>	<b>100.0%</b>
<b>4370 · TexStar Interest Income</b>					
4371 · City of San Marcos	43,872.64	155,168.75	21,500.00	133,668.75	721.72%
4372 · City of Kyle	34,464.37	121,893.57	16,900.00	104,993.57	721.26%
4373 · City of Buda	6,215.09	21,981.51	3,050.00	18,931.51	720.71%
4374 · Canyon Regional Water Authority	37,792.14	133,663.23	18,500.00	115,163.23	722.5%
<b>Total 4370 · TexStar Interest Income</b>	<b>122,344.24</b>	<b>432,707.06</b>	<b>59,950.00</b>	<b>372,757.06</b>	<b>721.78%</b>
4901 · Miscellaneous Income	0.00	30,940.00	35,000.00	-4,060.00	88.4%
<b>Total Income</b>	<b>562,060.91</b>	<b>1,377,667.85</b>	<b>17,038,670.00</b>	<b>-15,661,002.15</b>	<b>8.09%</b>
<b>Expenses</b>					
<b>6000 · Groundwater Reservation Costs</b>					
6010 · Shared Water Costs	76,945.29	271,148.09	1,520,470.00	-1,249,321.91	17.83%
6015 · Shared Water, City of Kyle	4,667.76	14,042.14	0.00	14,042.14	100.0%
6020 · Shared Water, City of San Marcos	60,135.89	156,974.37	0.00	156,974.37	100.0%
<b>Total 6010 · Shared Water Costs</b>	<b>64,803.65</b>	<b>171,016.51</b>	<b>0.00</b>	<b>171,016.51</b>	<b>100.0%</b>
<b>6200 · Plant Operations &amp; Maintenance</b>					
6201 · O&M, General	617.28	1,142.44	9,000.00	-7,857.56	12.69%
6240 · O&M, Buda BPS	910.93	1,202.01	23,750.00	-22,547.99	5.06%
<b>Total 6200 · Plant Operations &amp; Maintenance</b>	<b>1,528.21</b>	<b>2,344.45</b>	<b>32,750.00</b>	<b>-30,405.55</b>	<b>7.16%</b>
<b>7125 · Auditing fees</b>	<b>0.00</b>	<b>0.00</b>	<b>13,000.00</b>	<b>-13,000.00</b>	<b>0.0%</b>
<b>7210 · Bank Fees</b>	<b>290.23</b>	<b>808.78</b>	<b>4,000.00</b>	<b>-3,191.22</b>	<b>20.22%</b>
<b>7220 · Escrow and Paying Agent Fees</b>	<b>0.00</b>	<b>1,400.00</b>	<b>60,000.00</b>	<b>-58,600.00</b>	<b>2.33%</b>
<b>7240 · Bond Issue Costs</b>					
7240-15 · Bond Issue Costs - CRWA 2022A	0.00	262,623.00	0.00	262,623.00	100.0%
7240-16 · Bond Issue Costs - Kyle 2022B	0.00	244,393.00	0.00	244,393.00	100.0%
7240-17 · Bond Issue Costs - SM 2022C	0.00	273,643.00	0.00	273,643.00	100.0%
7240-18 · Bond Issue Costs - Buda 2022D	0.00	76,413.00	0.00	76,413.00	100.0%
<b>Total 7240 · Bond Issue Costs</b>	<b>0.00</b>	<b>857,072.00</b>	<b>0.00</b>	<b>857,072.00</b>	<b>100.0%</b>
<b>7250 · Interest Expense</b>					
7250-51 · Interest Expense - CRWA 2015A	4,737.84	14,213.52	56,854.00	-42,640.48	25.0%
7250-52 · Interest Expense - Kyle 2015B	6,967.34	20,902.02	83,608.00	-62,705.98	25.0%
7250-53 · Interest Expense - CRWA 2017A	19,003.96	57,011.88	228,047.00	-171,035.12	25.0%
7250-54 · Interest Expense - Kyle 2017B	17,333.04	51,999.12	207,996.00	-155,996.88	25.0%
7250-55 · Interest Expense - SM 2017C	13,690.16	41,070.48	164,282.00	-123,211.52	25.0%
7250-56 · Interest Expense - Buda 2017D	1,944.50	5,833.50	23,334.00	-17,500.50	25.0%
7250-57 · Interest Expense - CRWA 2019A	44,344.20	133,032.60	532,130.00	-399,097.40	25.0%
7250-58 · Interest Expense - Kyle 2019B	40,464.54	121,393.62	485,574.00	-364,180.38	25.0%
7250-59 · Interest Expense - SM 2019C	32,256.76	96,770.28	387,081.00	-290,310.72	25.0%

**Alliance Regional Water Authority**  
**Profit Loss / Budget vs. Actual**  
**For the One Month and Three Months Ended**  
**December 31, 2022**

	December 2022	October 2022 December 2022	Annual Budget	Over/Under Budget	% of Annual Budget
7250-60 · Interest Expense - Buda 2019D	4,574.12	13,722.36	54,889.50	-41,167.14	25.0%
7250-61 · Interest Expense - CRWA 2020A	51,401.28	154,203.84	616,815.50	-462,611.66	25.0%
7250-62 · Interest Expense - Kyle 2020B	46,873.04	140,619.12	562,476.50	-421,857.38	25.0%
7250-63 · Interest Expense - SM 2020C	32,640.20	97,920.60	391,682.50	-293,761.90	25.0%
7250-64 · Interest Expense - Buda 2020D	4,622.50	13,867.50	55,470.00	-41,602.50	25.0%
7250-65 · Interest Expense - CRWA 2022A	52,255.36	78,383.04	375,000.00	-296,616.96	20.9%
7250-66 · Interest Expense - Kyle 2022B	47,820.94	71,731.41	340,000.00	-268,268.59	21.1%
7250-67 · Interest Expense - SM 2022C	48,666.50	72,999.75	340,000.00	-267,000.25	21.47%
7250-68 · Interest Expense - Buda 2022D	6,896.62	10,344.93	50,000.00	-39,655.07	20.69%
<b>Total 7250 · Interest Expense</b>	<b>476,492.90</b>	<b>1,196,019.57</b>	<b>4,955,240.00</b>	<b>-3,759,220.43</b>	<b>24.14%</b>
7325 · Dues	0.00	1,663.00	9,000.00	-7,337.00	18.48%
7350 · Insurance - Liability, E&O	77.00	3,897.04	7,000.00	-3,102.96	55.67%
7400 · Legal Fees	15,589.50	15,589.50	125,000.00	-109,410.50	12.47%
7410 · Newspaper Public Notices	0.00	0.00	2,000.00	-2,000.00	0.0%
7425 · Contract Services-Lobbyist	10,000.00	15,000.00	60,000.00	-45,000.00	25.0%
7430 · Agency Mgmt Public Relations	8,891.83	10,028.96	60,000.00	-49,971.04	16.72%
7440 · Region L Contributions	0.00	0.00	1,500.00	-1,500.00	0.0%
7450 · Permit & Fees	0.00	90,089.86	91,000.00	-910.14	99.0%
7500 · Supplies	832.44	3,311.94	29,000.00	-25,688.06	11.42%
7600 · Telephone, Telecommunications	0.00	252.62	3,800.00	-3,547.38	6.65%
7700 · Travel, Conferences & Meetings	140.28	442.88	5,000.00	-4,557.12	8.86%
7800 · Employee Expenses					
7810 · Salaries and wages	27,174.22	82,390.72	554,861.11	-472,470.39	14.85%
7820 · Auto Allowance	969.24	2,907.72	12,600.00	-9,692.28	23.08%
7821 · Phone Allowance	207.70	623.10	2,700.00	-2,076.90	23.08%
7830 · Payroll taxes	1,210.91	4,173.75	40,892.93	-36,719.18	10.21%
7840 · Employee Insurance	2,629.34	7,956.52	62,582.28	-54,625.76	12.71%
7850 · Retirement	2,381.50	7,217.41	48,463.68	-41,246.27	14.89%
7860 · Licenses & Permits	0.00	111.00	3,700.00	-3,589.00	3.0%
7865 · Mileage Reimbursement	0.00	0.00	2,500.00	-2,500.00	0.0%
7867 · Training	0.00	0.00	0.00	0.00	0.0%
7870 · Employee Expenses, Other	0.00	0.00	7,000.00	-7,000.00	0.0%
<b>Total 7800 · Employee Expenses</b>	<b>34,572.91</b>	<b>105,380.22</b>	<b>735,300.00</b>	<b>-629,919.78</b>	<b>14.33%</b>
<b>Total Expenses</b>	<b>690,164.24</b>	<b>2,745,465.42</b>	<b>7,654,060.00</b>	<b>-5,767,066.58</b>	<b>35.87%</b>
<b>Net Ordinary Income</b>	<b>-128,103.33</b>	<b>-1,367,797.57</b>	<b>9,384,610.00</b>	<b>-9,893,935.57</b>	<b>-14.58%</b>
Other Income/Expense					
Other Expense					
8550 · Bond Principal					
8550-51 · Bond Principal - CRWA 2015A	0.00	0.00	195,000.00	-195,000.00	0.0%
8550-52 · Bond Principal - Kyle 2015	0.00	0.00	95,000.00	-95,000.00	0.0%
8550-53 · Bond Principal - CRWA 2017A	0.00	0.00	270,000.00	-270,000.00	0.0%
8550-54 · Bond Principal - Kyle 2017B	0.00	0.00	245,000.00	-245,000.00	0.0%
8550-55 · Bond Principal - SM 2017C	0.00	0.00	555,000.00	-555,000.00	0.0%
8550-56 · Bond Principal - Buda 2017D	0.00	0.00	80,000.00	-80,000.00	0.0%
8550-57 · Bond Principal - CRWA 2019A	0.00	0.00	755,000.00	-755,000.00	0.0%
8550-58 · Bond Principal - Kyle 2019B	0.00	0.00	690,000.00	-690,000.00	0.0%
8550-59 · Bond Principal - SM 2019C	0.00	0.00	1,510,000.00	-1,510,000.00	0.0%
8550-60 · Bond Principal - Buda 2019D	0.00	0.00	215,000.00	-215,000.00	0.0%
8550-61 · Bond Principal - CRWA 2020A	0.00	0.00	1,110,000.00	-1,110,000.00	0.0%
8550-62 · Bond Principal - Kyle 2020B	0.00	0.00	1,015,000.00	-1,015,000.00	0.0%
8550-63 · Bond Principal - SM 2020C	0.00	0.00	2,190,000.00	-2,190,000.00	0.0%
8550-64 · Bond Principal - Buda 2020D	0.00	0.00	310,000.00	-310,000.00	0.0%
<b>Total 8550 · Bond Principal</b>	<b>0.00</b>	<b>0.00</b>	<b>9,235,000.00</b>	<b>-9,235,000.00</b>	<b>0.0%</b>
<b>Total Other Expense</b>	<b>0.00</b>	<b>0.00</b>	<b>9,235,000.00</b>	<b>-9,235,000.00</b>	<b>0.0%</b>
<b>Net Other Income</b>	<b>0.00</b>	<b>0.00</b>	<b>-9,235,000.00</b>	<b>9,235,000.00</b>	<b>0.0%</b>
<b>Net Income</b>	<b>-128,103.33</b>	<b>-1,367,797.57</b>	<b>149,610.00</b>	<b>-277,713.33</b>	<b>-914.24%</b>

**Alliance Regional Water Authority**  
**Chase VISA Credit Card Transactions**  
**December 31, 2022**

Type	Date	Name	Split	Amount	Balance
<b>2006 · Chase Bank VISA Card</b>					3,953.24
Credit Card Charge	11/25/2022	Adobo Acropro	7500 · Supplies	23.99	3,977.23
Credit Card Charge	11/26/2022	Squarespace Inc	7500 · Supplies	31.39	4,008.62
Credit Card Charge	11/26/2022	Solve Networks	7500 · Supplies	205.00	4,213.62
Credit Card Charge	11/28/2022	TCEQ	7860 · Licenses & P...	111.00	4,324.62
Credit Card Charge	11/29/2022	American Water Works Assn.	7325 · Dues	238.00	4,562.62
Credit Card Charge	11/29/2022	Blacks Barbeque	7700 · Travel, Conf...	54.72	4,617.34
Credit Card Charge	11/30/2022	Schlotszky's	7700 · Travel, Conf...	83.87	4,701.21
Credit Card Charge	11/30/2022	Verizon	7600 · Telephone, T...	126.31	4,827.52
Credit Card Charge	11/30/2022	HEB	7700 · Travel, Conf...	10.95	4,838.47
Credit Card Charge	12/01/2022	Stamps Com	7500 · Supplies	18.17	4,856.64
Credit Card Charge	12/01/2022	Pedernales Electric	6201 · O&M, General	617.28	5,473.92
Credit Card Charge	12/01/2022	YCO Gate	6240 · O&M, Buda ...	390.00	5,863.92
Credit Card Charge	12/05/2022	Avery's Kitchen	7700 · Travel, Conf...	41.50	5,905.42
Credit Card Charge	12/06/2022	Amazon	7500 · Supplies	400.00	6,305.42
Credit Card Charge	12/07/2022	UPS Store	7500 · Supplies	6.00	6,311.42
Credit Card Credit	12/07/2022	Home Depot	6240 · O&M, Buda ...	-28.98	6,282.44
Credit Card Charge	12/07/2022	Home Depot	6240 · O&M, Buda ...	64.95	6,347.39
Credit Card Charge	12/08/2022	Schmidt & Sons	6240 · O&M, Buda ...	484.96	6,832.35
Credit Card Charge	12/13/2022	Willscot Mobile Mini	1440-05 · Phase 1A...	651.70	7,484.05
Credit Card Charge	12/14/2022	Amtek Information	1440-30 · Phase 1B...	199.98	7,684.03
Credit Card Charge	12/14/2022	Hays County Clerk	1440-15 · Land Acq...	78.00	7,762.03
Credit Card Charge	12/14/2022	Hays County Clerk	1440-15 · Land Acq...	1.95	7,763.98
Credit Card Charge	12/15/2022	Texas Disposal Systems	1440-05 · Phase 1A...	300.94	8,064.92
Check	12/15/2022	Chase	1005 · Broadway C...	-3,924.26	4,140.66
Credit Card Charge	12/16/2022	Guadalupe County	1440-30 · Phase 1B...	200.00	4,340.66
Credit Card Charge	12/16/2022	Adobo Acropro	7500 · Supplies	21.64	4,362.30
Credit Card Charge	12/16/2022	Guadalupe County	1440-30 · Phase 1B...	5.30	4,367.60
Credit Card Charge	12/16/2022	Rackspace	7500 · Supplies	115.18	4,482.78
Credit Card Charge	12/18/2022	Rackspace	7500 · Supplies	265.45	4,748.23
Credit Card Charge	12/20/2022	HE Government Payments	1440-15 · Land Acq...	291.00	5,039.23
Credit Card Charge	12/20/2022	UPS Store	7500 · Supplies	6.00	5,045.23
Credit Card Charge	12/21/2022	Logan's	7700 · Travel, Conf...	98.78	5,144.01
Total 2006 · Chase Bank VISA Card				1,190.77	5,144.01
<b>TOTAL</b>				<b>1,190.77</b>	<b>5,144.01</b>

**REGULAR MEETING**  
**Alliance Regional Water Authority Board of Directors**

**BOARD MEMBER PACKETS**

Wednesday, February 22, 2023 at 3:00 PM  
Pauline Espinosa Community Hall, 170 Charles Austin Drive, San Marcos, TX 78666

**F.1** Report on Technical Committee activities. ~ *Graham Moore, P.E., Executive Director*

---

Background/Information

The following items were discussed by the Committee at its 2/8 meeting:

- Received a construction update on the Phase 1B projects (Item H.2).
- Received an update on the Phase 1B program (Item H.3).
- Recommended award of the South Inline Elevated Storage Tank contract to Landmark Structures Management, LLC. (Item H.4).
- Recommended approval of Work Order #7 with HVJ South Central Texas – M&J, Inc. for material testing on the Segment E construction project (Item H.6).
- Recommended approval of Work Order #7 with Kimley-Horn & Associates, Inc. for Owner’s Representative Services for March 2023 through February 2024 for the Authority’s Phase 1B program (Item H.7).
- Received an update on water projections for the Authority’s Sponsors.
- Received an update on area water meetings (Item F.2).

**Board Decision(s) Needed:**

- None.

**REGULAR MEETING**  
**Alliance Regional Water Authority Board of Directors**

**BOARD MEMBER PACKETS**

Wednesday, February 22, 2023 at 3:00 PM

Pauline Espinosa Community Hall, 170 Charles Austin Drive, San Marcos, TX 78666

- F.2** 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 Capital Area Planning Group activities.

---

Gonzales County Underground Water Conservation District (GCUWCD)

The GCUWCD met on February 14th – no items affecting the Authority were discussed.

Plum Creek Conservation District (PCCD)

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

Groundwater Management Area 13

No update.

Region L Planning Group

Region L held a meeting on February 2nd. The draft water projections prepared by the State were recently released for review by the water user groups.

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

No update.

**Board Decision(s) Needed:**

- None.



**REGULAR MEETING**  
**Alliance Regional Water Authority Board of Directors**

**BOARD MEMBER PACKETS**

Wednesday, February 22, 2023 at 3:00 PM

Pauline Espinosa Community Hall, 170 Charles Austin Drive, San Marcos, TX 78666

- G. EXECUTIVE DIRECTOR AND LEGAL COUNSEL REPORTS** - Update on future meeting dates, locations, status of Authority procurements, Executive Director activities, other operational activities and the status of legal issues, where no action is required. ~ *Graham Moore, P.E., Executive Director / Mike Gershon, Lloyd Gosselink Rochelle & Townsend, P.C.*

---

**EXECUTIVE DIRECTOR**

- None.

**REGULAR MEETING**  
**Alliance Regional Water Authority Board of Directors**

**BOARD MEMBER PACKETS**

Wednesday, February 22, 2023 at 3:00 PM

Pauline Espinosa Community Hall, 170 Charles Austin Drive, San Marcos, TX 78666

- H.1** Update and discussion regarding the Authority's public relations activities possible direction to staff and consultants. ~ *CD&P*
- 

Background/Information

Representatives of CD&P will update the Board on their recent public relations activities.

Attachment(s)

- Public Relations Highlights – November 2022 to January 2023

**Board Decision(s) Needed:**

- None.

# PUBLIC RELATIONS HIGHLIGHTS



NOVEMBER 2022 –  
JANUARY 2023

*Prepared by CD&P*

## Website Activity

**1.2K**  
UNIQUE VISITS

**645**  
NEW VISITORS

**2.3K**  
PAGEVIEWS



**64**  
NEWSLETTER  
PAGE VIEWS

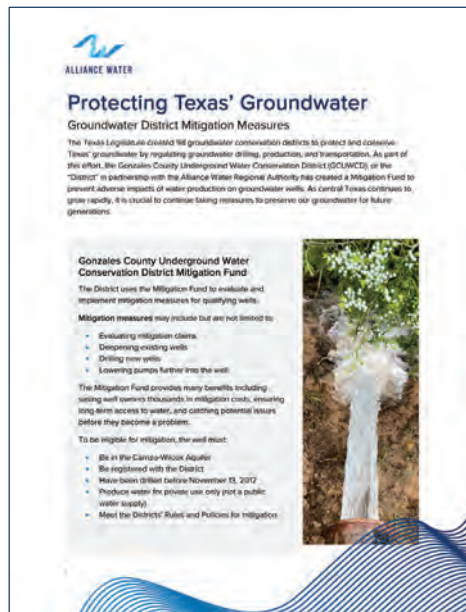
## Most-Viewed Pages

- #1 Alliance Water Home**  
1,019 views
- #2 Meeting Agendas**  
320 views
- #3 About the Authority**  
213 views
- #4 Procurement**  
199 views
- #5 Our Directors**  
134 views

# Mitigation Fact Sheet

## Goals:

- Provide information on current groundwater mitigation programs and projects to help legislators make informed decisions
- Educate the general public about the mitigation process and Alliance Water's contribution
- Demonstrate transparency by addressing emerging water-related news and questions

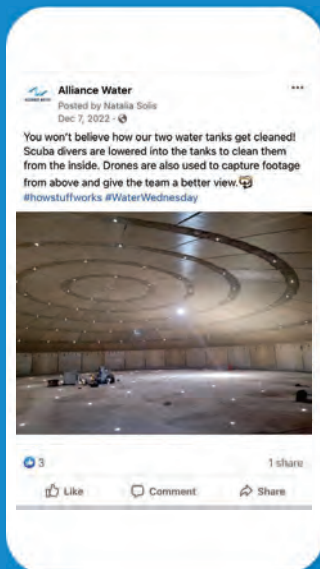


## Social Media Outreach

**1,090**  
TOTAL FOLLOWERS

**92**  
TOTAL ENGAGEMENTS  
(LIKES, COMMENTS, SHARES)

### Top-performing posts



**34**  
Engagements  
**262**  
Impressions



FACEBOOK



**10**  
Engagements  
**107**  
Impressions



INSTAGRAM



**6**  
Engagements  
**97**  
Impressions



TWITTER

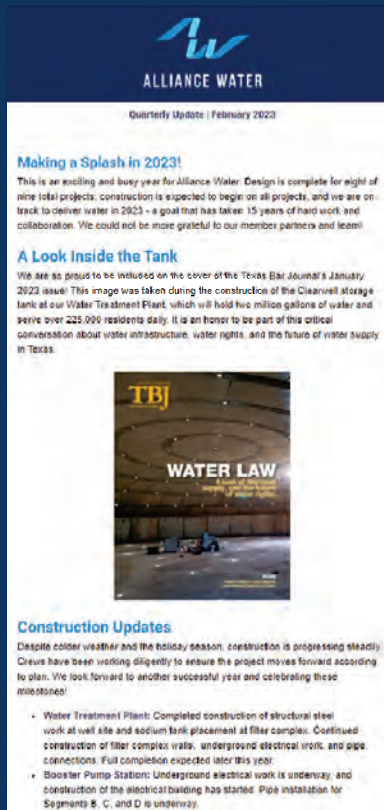
# Email Campaigns

November 7, 2022

## Quarterly Newsletter

184 recipients

53% open rate

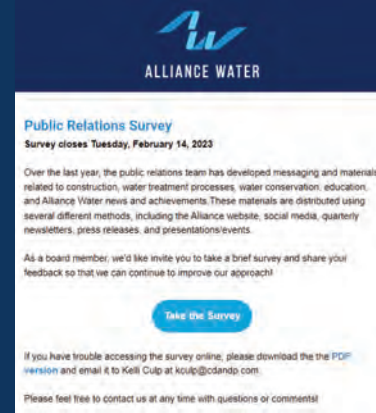


February 7, 2023

## Board Survey Invitation

2 emails

13 recipients



# Media Coverage

**6** ARTICLES PUBLISHED

January 1, 2023

"Water Law: A look at demand, supply and the future of water rights", *Texas Bar Journal*, (Cover Photo).

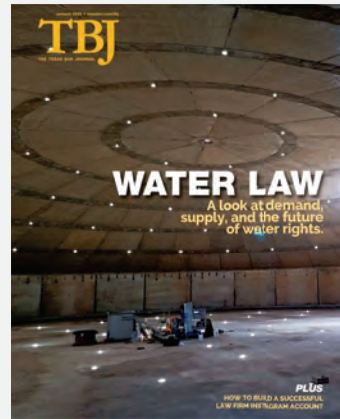
November 22, 2022

"Northwest Pipe Company to Manufacture Engineered Steel Pressure Texas Pipeline Project", (Press Release).

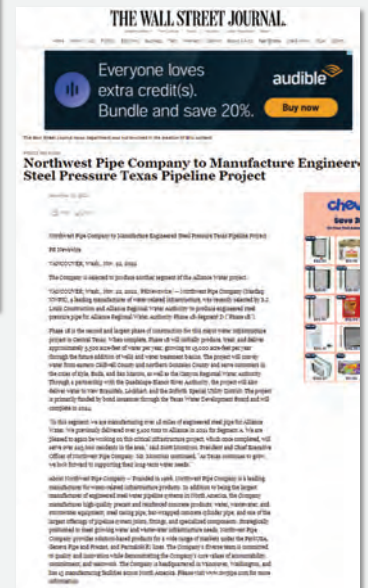
- a. The Wall Street Journal
- b. Seeking Alpha Online News
- c. CBS 42
- d. Cision PR Newswire

November 2, 2022

"San Marcos Mayoral Candidates Share Their Thoughts On Issues Facing City", *San Marcos Daily Record*.



Texas Bar Journal, January 2023 Issue  
Cover Photo



Wall Street Journal, Nov. 2022  
Published Article

## Next Steps

- Present board survey results
- Develop board member bios for the website
- Prepare for ribbon-cutting events
- Coordinate with media to share major milestones
- Continue providing updates through Quarterly Newsletter, Social Media, and Website



**Thank You**



**REGULAR MEETING**  
**Alliance Regional Water Authority Board of Directors**

**BOARD MEMBER PACKETS**

Wednesday, February 22, 2023 at 3:00 PM

Pauline Espinosa Community Hall, 170 Charles Austin Drive, San Marcos, TX 78666

**H.2** Update and possible direction to Staff regarding construction of the Authority's Phase 1B program. ~ *Toby Flinn, P.E., Pape-Dawson Engineers*

---

Background/Information

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

Attachment(s)

- Phase 1B Construction Update – February 22, 2023



# PHASE 1B CONSTRUCTION UPDATE

CMI Progress

February 22, 2023

Water Resources | Transportation | Land Development | Surveying | Environmental



## PROGRAM CONTRACT VALUES



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





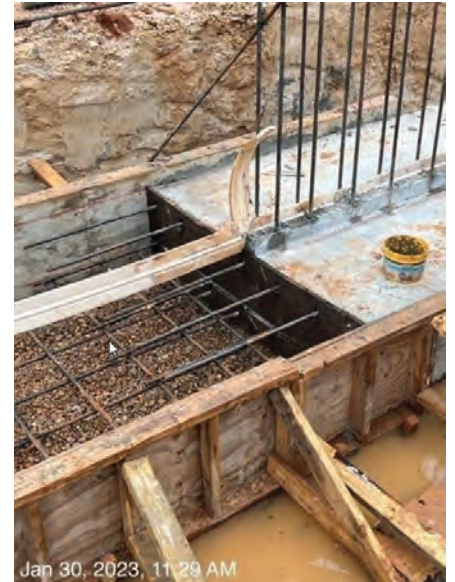
# WTP/RWI - PROGRESS PHOTOS



WTP – Compacting Retaining Wall Subgrade



WTP – Retainer Wall Rebar



WTP – Retainer Wall Installation of Expansion Joint Fiber Board

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

### Next Month - Projected Construction Activities

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



WTP – Filter Complex Grid Line 9 Settings Structural Steel

# Booster Pump Station (MWH / Freese and Nichols)

## Construction Status

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



Jan 9, 2023 at 9:38:32 AM  
9675 SH-142  
Maxwell, TX 78656  
United States

BPS – Excavation for Seg B, STA 0+69

## BPS- PROGRESS PHOTOS



BPS – Seg D Formwork Removal for  
Concrete Encasement



BPS – Seg D Formwork for Flowable Fill  
Discharge Header



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

# Booster Pump Station (MWH / Freese and Nichols)

## Next Month - Projected Construction Activities

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



BPS – Rebar Installation for Thrust Block at San Marcos

# Segment A (Garney Construction / LAN)

## Construction Status

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

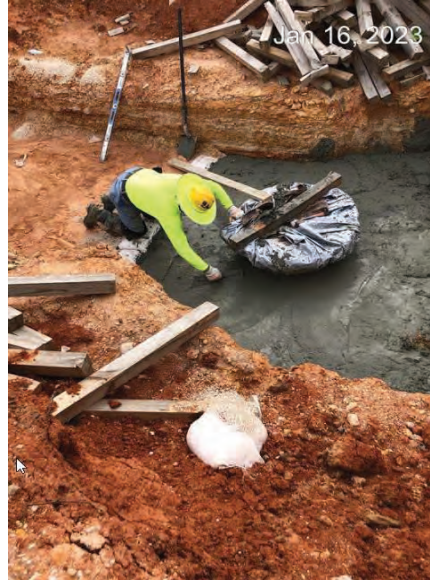


Activity	Status
ROW Cleared	100%
Pipe Delivered	100%
Tunnels Completed	100%(15 of 15)
Pipe Installed	60%
Major Crossing (Plum Creek)	Continue installation of launch shaft on West side of Plum Creek

# SEGMENT A - PROGRESS PHOTOS



Seg A – Concrete Pour



Seg A – Precast Base Concrete Pour



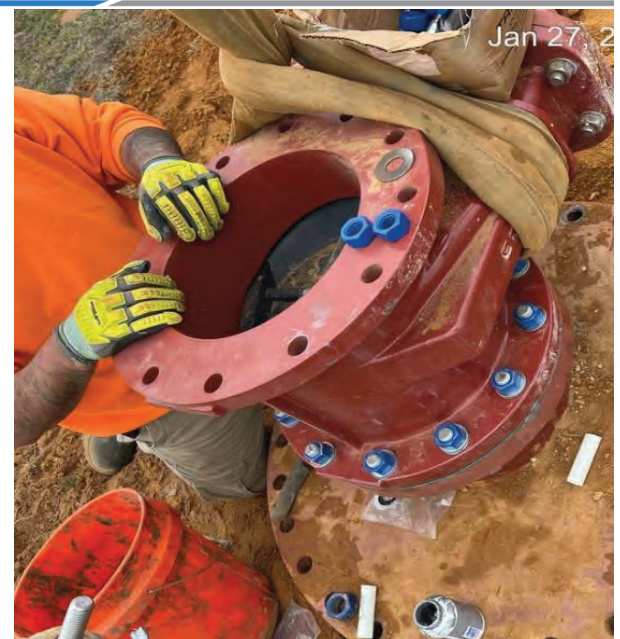
Seg A – Setting Concrete Riser

11

## Segment A (Garney Construction / LAN)

### Next Month - Projected Construction Activities

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



Seg A – Garney Crew 1 – Work on Bolt Up

12

# Segment B (Garney Construction / K Friese)

### Construction Status

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



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

# SEGMENT B - PROGRESS PHOTOS



Seg B – SH130 BORECO Assembling Frame for Tail Shaft



Seg B – SH130 BORECO Placing Contact Grout in Tail Shaft



Seg B – SH130 BORECO Aligning Casing

# Segment B (Garney Construction / K Friese)

## Next Month - Projected Construction Activities

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



SH130 – BORECO Began Hand Tunneling

# Segment D (SJ Louis / Freese & Nichols)

## Construction Activities

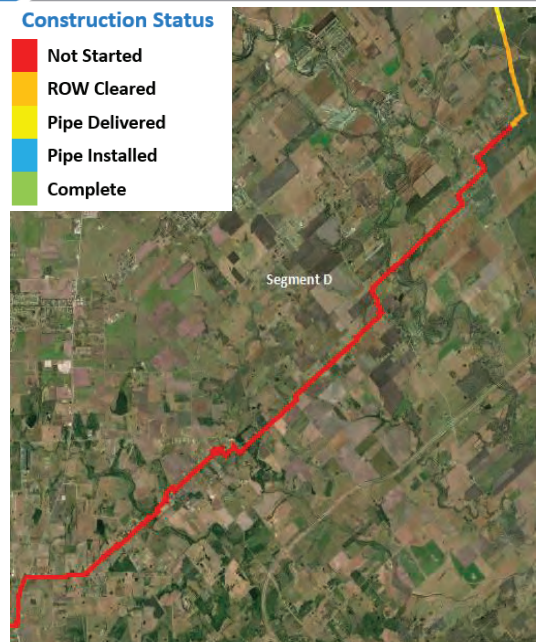
- Conducted bi-weekly progress meetings
- Process documentation in SharePoint
- Finished clearing operations from SH142 headed Southeast up to HWY 80
- Continued SWPPP installations at SH142 headed Southeast towards HWY 80 behind the clearing operation
- Continued temporary fence gaps for access and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

## Next Month - Projected Activities

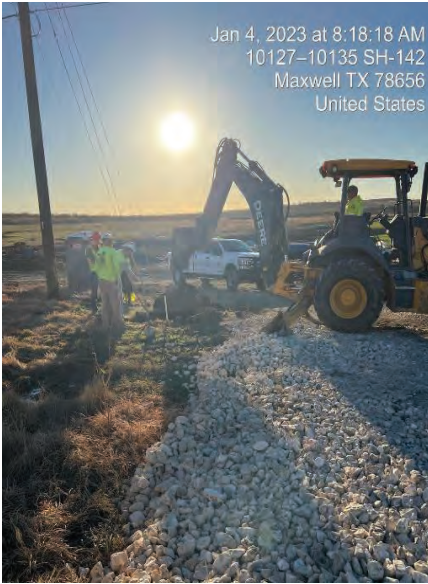
- Suspend pipe deliveries due to inclement weather the week of 1/30/23 and resume pipe deliveries on 2/6/23
- Continue temporary fence gaps for access and cattle fencing along easements
- Continue SWPPP installations from SH142 headed SE towards HWY 80 behind the clearing operation
- Resume clearing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

### Construction Status

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



# SEGMENT D - PROGRESS PHOTOS



Seg D – Utility locating for casing prep under SH142



Seg D – Surveying for easement along HWY 80



Seg D – Northwest Pipe Deliveries

17

## Segment E (Garney / Walker Partners)

### Construction Activities

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

### Next Month - Projected Activities

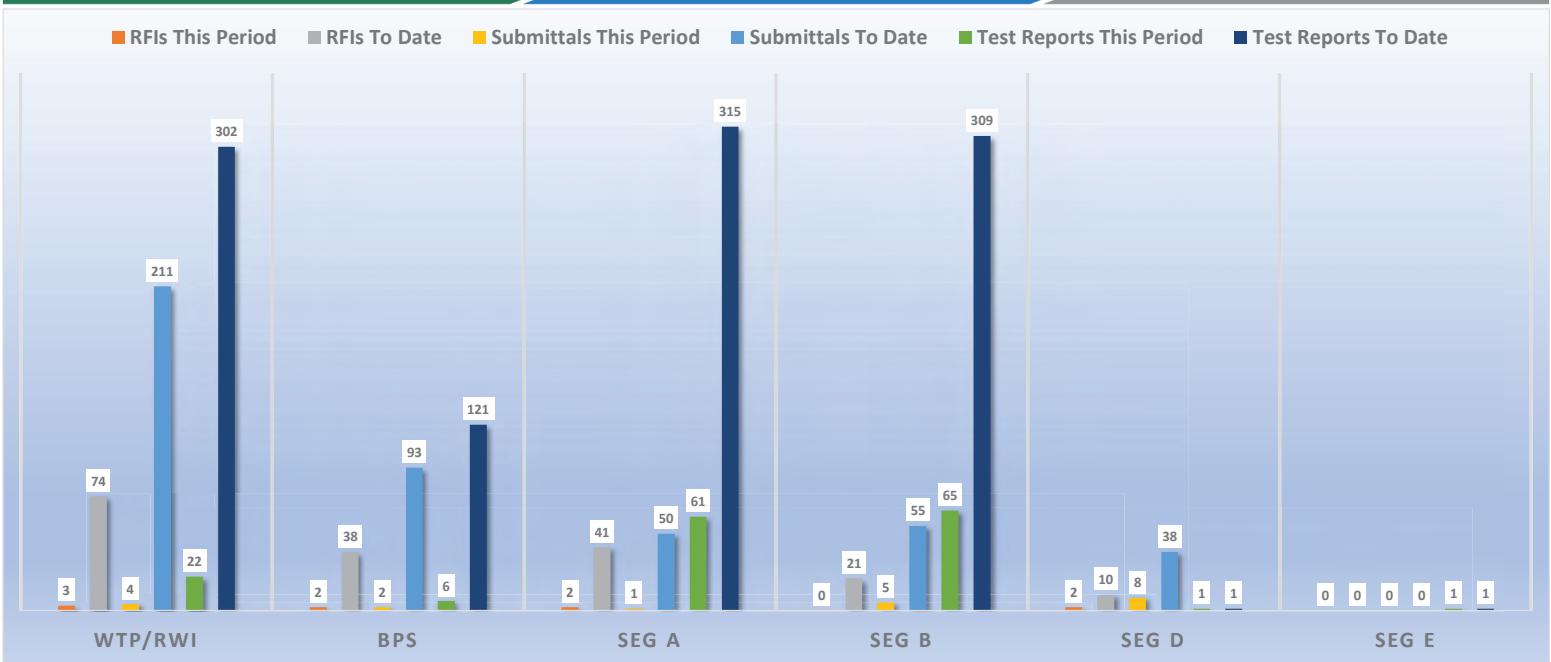
- Continue processing documentation in SharePoint



18



# PROGRAM OVERSIGHT RECAP



19

**QUESTIONS?**

20

**REGULAR MEETING**  
**Alliance Regional Water Authority Board of Directors**

**BOARD MEMBER PACKETS**

Wednesday, February 22, 2023 at 3:00 PM

Pauline Espinosa Community Hall, 170 Charles Austin Drive, San Marcos, TX 78666

- H.3** Update and discussion regarding the status of the Authority's Phase 1B program, and direction to staff and consultants. ~ *Ryan Sowa, P.E., Kimley-Horn & Associates*
- 

Background/Information

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

Attachment(s)

- Phase 1B Program Update – February 22, 2023
- Kimley-Horn Monthly Summary of Activities for January 2023

**Board Decision(s) Needed:**

- None.



# Phase 1B Program Update

Board of Directors Meeting  
February 22, 2023



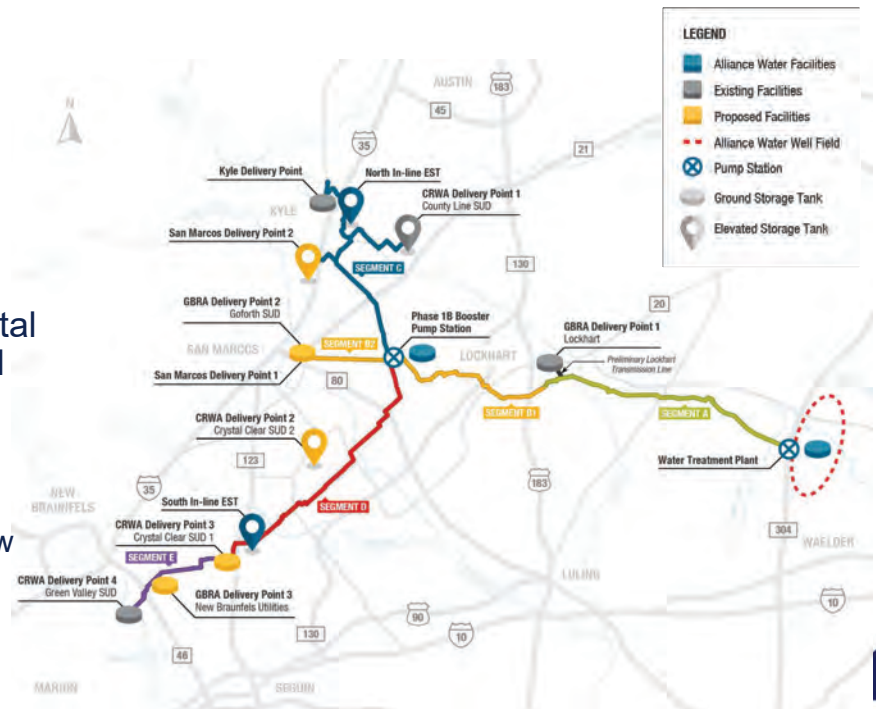
**ALLIANCE WATER**

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

## Ongoing Progress

### ► Design Milestone Status

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



# Ongoing Progress

## ► South Inline EST Procurement Schedule

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



# Pipeline Easement Acquisition Status

Pipeline Segment	Number of Parcels	STATUS						
		(A) Appraisal/Offer in Development	(B) Negotiation	(C) = (A+B) Appraisal / Negotiation	(D) Condemnation in Process	(E) = (C+D) Possession Still Needed	(F) Purchase Agreement Signed / Possession Obtained	Final Settlement Outstanding
A	39	0	0	0	0	0	39	5
B	47	0	0	0	0	0	47	16
D	60	0	0	0	0	0	60	16
C	75	4	9	13	10	23	52	40
E	38	0	2	2	3	5	33	20
Well Field	16	0	4	4	0	4	12	4
<b>Total</b>	<b>275</b>					<b>32</b>	<b>243</b>	<b>101</b>



## COST UPDATES BASED ON JANUARY MILESTONE SUBMITTALS/RESULTS

		ORIGINAL (FEB. 2019)	REVISED	
	Construction Package	ARWA Total Projected Cost	ARWA Total Projected Cost	DIFFERENCE
<b>Submittal (%) Combined Program Infrastructure</b>				
Const.	Water Treatment Plant	\$ 25,200,000	\$ 29,500,000	\$ 4,300,000
Const.	Booster Pump Station & GBRA Meter Stations	\$ 12,100,000	\$ 13,700,000	\$ 1,600,000
100	Inline EST (South)	\$ 3,600,000	\$ 4,800,000	\$ 1,200,000
Const.	Pipeline Segment A	\$ 27,200,000	\$ 28,600,000	\$ 1,400,000
Const.	Pipeline Segment B	\$ 27,100,000	\$ 33,800,000	\$ 6,700,000
Const.	Pipeline Segment D	\$ 36,300,000	\$ 44,200,000	\$ 7,900,000
Const.	Pipeline Segment E	\$ 9,500,000	\$ 14,000,000	\$ 4,500,000
	<b>Subtotal</b>	<b>\$141,000,000</b>	<b>\$168,600,000</b>	<b>\$ 27,600,000</b>
<b>ARWA-Only Infrastructure</b>				
Closed	Well Drilling	\$ 3,800,000	\$ 3,300,000	(\$ 500,000)
Const.	Raw Water Infrastructure	\$ 7,000,000	\$ 10,600,000	\$ 3,600,000
Const.	ARWA Booster Pump Station & Delivery Points	\$ 7,700,000	\$ 4,800,000	(\$ 2,900,000)
30	Inline EST (North)	\$ 5,400,000	\$ 6,500,000	\$ 1,100,000
90	Pipeline Segment C	\$ 64,500,000	\$ 68,600,000	\$ 4,100,000
Const.	Pipeline Segment E (ARWA-Only)	\$ 6,700,000	\$ 12,800,000	\$ 6,100,000
No Design	Administration and Operations Building	\$ 4,300,000	\$ 4,200,000	(\$ 100,000)
	<b>Subtotal</b>	<b>\$ 99,400,000</b>	<b>\$110,800,000</b>	<b>\$ 11,400,000</b>
<b>Total</b>		<b>\$240,400,000</b>	<b>\$279,400,000</b>	<b>\$39,000,000</b>

FEBRUARY 2023 UPDATE

NO CHANGE FROM  
JANUARY UPDATE



# Questions?

ALLIANCE REGIONAL WATER AUTHORITY  
 ATTN: GRAHAM MOORE  
 1040 HIGHWAY 123  
 SAN MARCOS, TX 78666

Please send payments to:  
 KIMLEY-HORN AND ASSOCIATES, INC.  
 P.O. BOX 951640  
 DALLAS, TX 75395-1640

Invoice No: 068706605-0123  
 Invoice Date: Jan 31, 2023  
 Invoice Amount: \$ 156,764.53  
 Project No: 068706605  
 Project Name: ARWA PROGRAM YEAR 5  
 Project Manager: SOWA, RYAN

Work Order No. 6  
 Duration: March 2022 - Feb. 2023

Invoice Duration: Jan. 1, 2022 to Jan. 31, 2022

Federal Tax Id: 56-0885615

**COST PLUS MAX**

KHA Ref # 068706605.3-23921714

Description	Contract Value	Amount Billed to Date	Previous Amount Billed	Current Amount Due
PROGRAM MANAGEMENT PLAN UPDATES	4,896.50	1,809.50	1,809.50	0.00
STAKEHOLDER COORDINATION	189,521.00	156,873.66	139,816.02	17,057.64
BUDGETING	79,175.00	64,427.06	51,685.56	12,741.50
SCHEDULE	38,828.00	43,012.75	38,744.75	4,268.00
REPORTING	44,890.00	46,587.51	40,655.01	5,932.50
DATA MANAGEMENT	100,835.00	76,276.36	71,223.59	5,052.77
ENVIRONMENTAL MANAGEMENT	62,796.00	51,370.00	46,103.75	5,266.25
LAND ACQUISITION MANAGEMENT	563,942.50	535,797.75	490,297.13	45,500.62
TWDB MANAGEMENT	64,355.00	63,305.00	59,312.00	3,993.00
DESIGN STANDARDS	33,994.40	13,702.50	12,877.50	825.00
ENGINEERING DESIGN MANAGEMENT	204,034.00	200,131.69	184,651.94	15,479.75
QUALITY ASSURANCE	8,140.00	1,295.00	1,295.00	0.00
ELECTRICAL POWER PLANNING	30,183.00	275.00	275.00	0.00
PERMIT COORDINATION/TRACKING	48,510.00	49,160.53	44,573.28	4,587.25
PROCUREMENT AND CONSTRUCTION PHASE SERVICES	245,483.00	228,713.13	207,258.88	21,454.25
PROJECT ADMINISTRATION	38,165.50	26,886.38	23,780.88	3,105.50
OTHER SERVICES	65,400.00	60,660.25	49,885.75	10,774.50
ENVIRONMENTAL CONSTRUCTION PHASE SERVICES	165,942.00	144,184.49	143,458.49	726.00
<b>Subtotal</b>	<b>1,989,091.00</b>	<b>1,764,468.55</b>	<b>1,607,704.02</b>	<b>156,764.53</b>
<b>Total COST PLUS MAX</b>				<b>156,764.53</b>

**Total Invoice: \$ 156,764.53**

*If you have questions regarding this invoice, please call (703) 674-1300.*

February 3, 2023

## Project Monthly Summary

### January 2022 Tasks Performed:

- Task 2 – Stakeholder Coordination
  - Coordination and/or meetings with entities including: Caldwell County, Guadalupe County, Bluebonnet Electric Coop, TxDOT, TCEQ, and TWDB.
  - Continued weekly task coordination with Alliance Water.
  - Prepared and presented the Technical Committee Meeting Update.
  - Prepared and presented the Project Advisory Committee Meeting Update.
  - Prepared and presented the Board Meeting Update.
  - Prepared for and held Monthly Status Meeting with Alliance Water.
  
- Task 3 – Budgeting
  - *Prepared and submitted updated budget projections.*
  - *Began preparation for the Overall Program Budget projection presentation.*
  - Prepared and presented the monthly Budget Update for the Technical Committee and Board meetings.
  - Continued updates to Budget Workbook to include monthly tracking of actual costs for ARWA review.
  
- Task 4 – Schedule
  - Integrated each project schedule into overall Program schedule. Developed and distributed the monthly Program schedule summary.
  
- Task 6 – Data Management
  - Continued to coordinate with ARWA and Construction Management & Inspection Team to integrate construction data collected on the GIS WebMap.
  - Ongoing maintenance of Microsoft SharePoint Online program.
  - Continued updating of web-based GIS for easement acquisition process and alignment changes.
  
- Task 7 – Environmental Management
  - *Assisted the Program Environmental Consultant in addressing Segment C agency comments on submitted reports.*
  - Continue coordination with ARWA and the Program Environmental Consultant regarding the burial relocation proceedings.
  - Continued coordination with ARWA and the Program Environmental Consultant regarding the burial relocation proceedings.
  - Continued coordination with Program Environmental Consultant concerning the comments from the United States Army Corps of Engineers.
  - Monthly progress meeting and ongoing coordination with Program Environmental Consultant.

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

---

- Continued coordination between Program Environmental Consultant and Design Engineers.
- Task 8 – Land Acquisition Management
  - Continued negotiations with remaining Segment C parcels.
  - Coordinated the appraisal process for Segments C and W parcels.
  - Coordinated with Program Survey Consultant, Program Environmental Consultant, and Land Acquisition legal team to address questions that arise as part of the field work coordination process.
  - Performed weekly QC of parcel files in SharePoint, provided comments to Land Acquisition legal team.
  - Weekly coordination meeting with Legal Land Acquisition team to discuss status of easement acquisition proceedings and to provide Program clarification on any questions/requests that have come from landowners.
  - Reviewed Program Appraiser and Program Survey invoices.
  - Continued field work coordination to notify landowners of upcoming field work by consultants.
- Task 9 – Texas Water Development Board Management
  - *Coordinated with Program PM and Design Consultant to prepare the Segment D Construction Phase Release of Funds documentation.*
  - Coordinated with TWDB staff to track the status of funding release requests under review.
  - Continued coordination with ARWA, GBRA, and TWDB Staff to track all documents currently under review.
- Task 11 – Engineering Design Management
  - Pipelines:
    - Segment A
      - Continue coordination with Design Consultant for construction phase services.
    - Segment B
      - Continued coordination with Design Consultant for construction phase services.
    - Segment C
      - *Began review of 100% Submittal prepared by the Design Consultant.*
      - Continued coordination with Design Consultant for final design.
      - Continued coordination with Design Consultant regarding ongoing pipeline alignment considerations.
    - Segment D
      - Continue coordination with Design Consultant for construction phase services.
    - Segment E





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

---

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

**February 2023 Projection:**

- Task 1 – Program Management Plan Updates
  - *Finalize the updates to the Document Control Data Management Section given ARWA’s document retention feedback.*
- Task 2 – Stakeholder Coordination
  - Coordination and/or meetings with entities including: Caldwell County, Guadalupe County, GVEC, Bluebonnet Electric Coop, TxDOT, TCEQ, and TWDB.
  - Continue weekly task coordination with Alliance Water.
  - Prepare and present the Technical Committee Meeting Update.
  - Prepare and present Project Advisory Committee Meeting Update.
  - Prepare and present Board Meeting Update.
  - Prepare for and hold Monthly Status Meeting with Alliance Water.
- Task 3 – Budgeting
  - *Continue preparation for Overall Program Budget projection presentation.*
  - Prepare and present the monthly Budget Update for the Technical Committee and Board meetings.
  - Continue updates to Budget Workbook to include monthly tracking of actual costs for ARWA review.
- Task 4 – Schedule
  - Integrate each project schedule into overall Program schedule. Develop and distribute schedule update and memorandum.
- Task 6 – Data Management
  - Continue tracking the number of easements with final settlement outstanding.
  - Continue coordination with ARWA and Construction Management & Inspection Team to integrate construction data collected on the new GIS WebMap.
  - Ongoing maintenance of Microsoft SharePoint Online program.
  - Continue updating of web-based GIS for easement acquisition process and alignment changes.
- Task 7 – Environmental Management

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

---

- Assist the Program Environmental Consultant in addressing Segment C agency comments on submitted reports.
- Continue coordination with ARWA and the Program Environmental Consultant regarding the burial relocation proceedings.
- Monthly progress meeting and ongoing coordination with Program Environmental Consultant.
- Continue coordination between Program Environmental Consultant and Design Engineers.
- Review Program Environmental invoices, schedule, and risk log.
  
- Task 8 – Land Acquisition Management
  - Coordinate negotiations with remaining Segment C parcels.
  - Coordinate the appraisal process for Segment C and W parcels.
  - Coordinate with Program Survey Consultant and Design Consultants to address questions that arise as part of the field work coordination process.
  - Perform weekly QC of parcel files in SharePoint, provide comments to Legal Land Acquisition team.
  - Weekly coordination meeting with Legal Land Acquisition to discuss status of easement acquisition proceedings and to provide Program clarification on any questions/requests that have come from landowners.
  - Review Program Appraiser and Program Survey invoices.
  - Continue field work coordination to notify landowners of upcoming field work by consultants.
  
- Task 9 – Texas Water Development Board Management
  - Prepare the Segment D Construction Phase Release of Funds request and submit to TWDB for review.
  - Continue coordination with ARWA, GBRA, and TWDB Staff to track all documents currently under review as well as preparation of funding release requests.
  
- Task 10 – Design Standards
  - Review Construction Standards given questions arising from construction activities and coordinate with the Program Design Consultants as needed.
  
- Task 11 – Engineering Design Management
  - Pipelines:
    - Segment A
      - Continue coordination with Design Consultant for construction phase services.
    - Segment B
      - Continue coordination with Design Consultant for construction phase services.
    - Segment C

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

---

- Continue review of 100% Submittal prepared by the Design Consultant.
      - Continue coordination with Design Consultant for final design.
      - Continue coordination with Design Consultant regarding ongoing field work and pipeline alignment considerations.
    - Segment D
      - Continue coordination with Design Consultant for construction phase services.
    - Segment E
      - Continue coordination with Design Consultant for construction phase services.
  - Raw Water Infrastructure:
    - Continue coordination with Design Consultant for construction phase services.
  - Water Treatment Plant:
    - Continue coordination with Design Consultant for construction phase services.
  - Booster Pump Station:
    - Continue coordination with Design Consultant for construction phase services.
  - Inline Elevated Storage Tanks:
    - Continue to coordinate with Design Consultant during the South Inline Elevated Storage Tank project procurement services.
    - Continue coordination with Design Consultant for final design development for the North Inline Elevated Storage Tanks.
  - Other:
    - Monthly progress meetings with all Design Consultants (pipelines, water treatment plant, raw water infrastructure, wellfield).
    - Review invoices, schedules, and risk logs for consultants.
- Task 13 – Electrical Power Planning
  - Continue coordination with GVEC regarding electric service to the WTP and wellfield.
- Task 14 – Permit Coordination/Tracking
  - Continue Permit coordination with Pipeline consultants
  - Coordinate with Hays County concerning the Site Development Permit.
  - General Coordination with TxDOT.
  - Coordinate with Caldwell, Guadalupe, and Hays County TxDOT offices concerning roadway crossings.
  - Continue General Coordination with GVEC, BBEC, and LCRA.
  - On-going Permit Tracking Log Updates.
- Task 15 – Procurement and Construction Phase Services

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

---

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

**Scope Elements Added/Removed:**

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

**Outstanding Issues/Concerns:**

None at this time.

**HUB Participation:**

32.8 % allotted by Contract (based on contract total fee)

33.1 % to date of Billing

Design Consultant Certifications: N/A

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

Sub Consultant	Sub Consultant Certifications	Task Description	Contract Value (\$)	Percent Complete to Date (%)	Amount Billed to Date (\$)	Amount Paid to Date (\$)
Foster CM Croup, Inc.	DBE; AABE; MBE; SBE	Budgeting, Schedule, and Data Management	\$117,890.00	106.0%	\$124,975.38	\$109,861.88
Grubb Engineering, Inc.	ESBE; SBE; WBE	Electrical Power Planning	\$25,850.00	0.0%	\$-	\$-
Spitzer and Associates, Inc.	SBE; WBE	Land Acquisition Management	\$489,180.00	93.7%	\$458,252.74	\$419,941.04
V&A Consulting Engineers, Inc.	SBE; HABE; MBE	Cathodic Protection Standards	\$18,999.00	0.0%	\$-	\$-
		Subtotal	\$651,919.00	89.5%	\$583,228.12	\$529,802.92

**REGULAR MEETING**  
**Alliance Regional Water Authority Board of Directors**

**BOARD MEMBER PACKETS**

Wednesday, February 22, 2023 at 3:00 PM

Pauline Espinosa Community Hall, 170 Charles Austin Drive, San Marcos, TX 78666

- H.4** Consider adoption of Resolution 2023-02-22-001 awarding a construction contract to Landmark Structures Management, LLC for the Phase 1B South Inline Elevated Storage Tank Project, contingent upon approval of the award by the Texas Water Development Board. ~ *Graham Moore, P.E., Executive Director*
- 

Background/Information

Alliance Water sought proposals for the Phase 1B South Inline Elevated Storage Tank Project starting in December 2022 with proposals submitted on January 27, 2022. In accordance with the Authority's policies and Texas Water Development Board (TWDB) requirements, the project was advertised for two consecutive weeks in the Hays Free Press and in the Lockhart Post-Register.

The project includes a 1.0 million gallon elevated storage tank, connections to the Segment D pipeline, and other site improvements. The proposals included two alternatives, one for the addition of a logo and the second for electrical service to the site.

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

Attachment(s)

- South Inline Elevated Storage Tank Recommendation Presentation
- Resolution 2023-02-22-001

Recommendations

- The Technical Committee and Project Advisory Committee each unanimously recommended the contract for the South Inline Elevated Storage Tank Project be awarded to Landmark Structures Management, LLC.

**Board Decision(s) Needed:**

- Adoption of Resolution 2023-02-22-001 awarding a construction contract to Landmark Structures Management, LLC for the Phase 1B South Inline Elevated Storage Tank Project, contingent upon approval of the award by the Texas Water Development Board.

# Alliance Regional Water Authority

## South Inline EST – Recommendation of Construction Award

February 9, 2023



1

### Meeting Agenda

#### South Inline Elevated Storage Tank

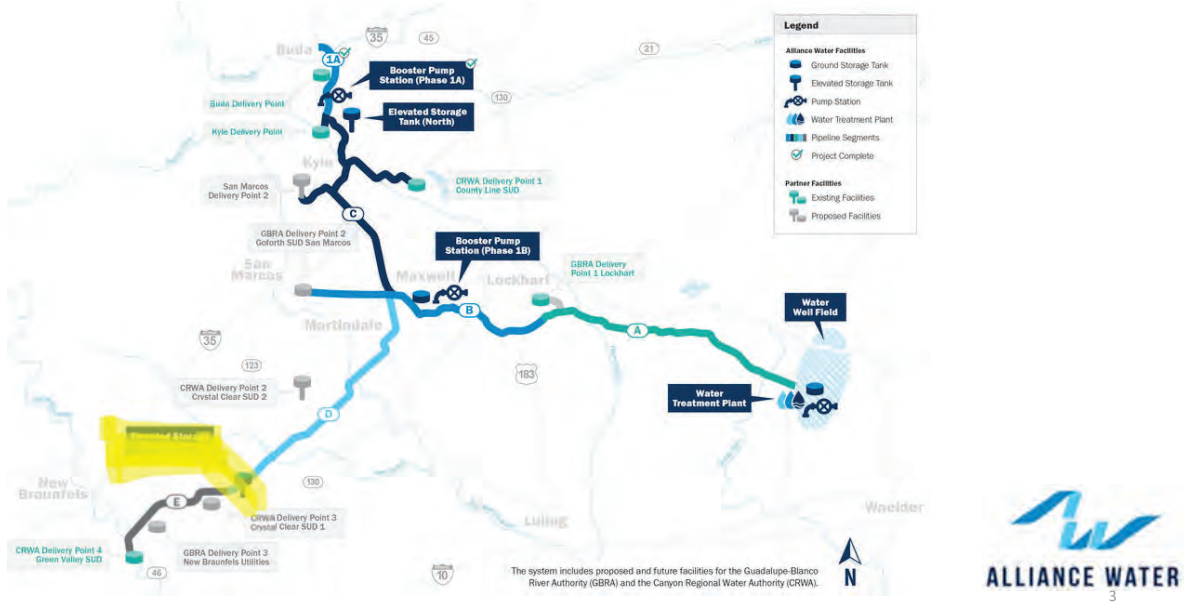
- Summary of Proposals Received
- Review Team Total Combined Score
- Recommendation



2



# South Inline EST Location



# South Inline EST Summary of Proposals Received

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

**RECOMMENDED**



## Criteria for Selection

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



## Review Team Total Combined Score

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



# ARWA-GBRA South Inline EST Cost Split

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

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



## Recommendation

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





## ALLIANCE WATER

### RESOLUTION NO. 20230222-001

**A RESOLUTION OF THE ALLIANCE REGIONAL WATER AUTHORITY BOARD OF DIRECTORS AWARDING A CONTRACT TO LANDMARK STRUCTURES MANAGEMENT, INC. FOR THE PHASE 1B SOUTH INLINE ELEVATED STORAGE TANK PROJECT CONTINGENT UPON APPROVAL OF THE AWARD BY THE TEXAS WATER DEVELOPMENT BOARD AND CONTINGENT UPON THE BIDDER'S TIMELY SUBMISSION OF SUFFICIENT BONDS AND INSURANCE IN ACCORDANCE WITH THE BID DOCUMENTS FOR THE PROJECT; AUTHORIZING THE CHAIR OF THE BOARD TO EXECUTE CONTRACT DOCUMENTS AND DECLARING AN EFFECTIVE DATE**

#### **RECITALS:**

**1.** The Alliance Regional Water Authority ("Alliance Water") and the Guadalupe-Blanco River Authority ("GBRA") entered into a Water Treatment and Transmission Agreement in June 2018 whereby, in exchange for payment by GBRA, Alliance Water would treat and transmit water to GBRA for their use.

**2.** Alliance Water sought proposals for the Phase 1B South Inline Elevated Storage Tank Project (the "Project") in accordance with Alliance Water's purchasing policies and the Texas Water Development Board ("TWDB") guidelines.

**3.** The Project request for proposals included a Base Proposal Amount with two Allowance Items for the addition of a tank logo and for electric service.

**4.** Alliance Water received two proposals for the Project which were reviewed and scored by a committee that determined the proposal from Landmark Structures Management, LLC ("Landmark") provides the best value to Alliance Water.

**5.** Plummer & Associates, Inc. the design engineer for the Project, recommends that Alliance Water award the contract to Landmark for the Project.

**6.** Alliance Water Staff is in the process of submitting the bidding information to TWDB to allow TWDB to review and approve the proposed contract, as required for projects funded by the TWDB.

#### **BE IT RESOLVED BY THE BOARD OF DIRECTORS OF THE ALLIANCE REGIONAL WATER AUTHORITY:**

**SECTION 1.** The award of a construction contract to Landmark Management Structures, LLC for the Phase 1B South Inline Elevated Storage Tank Project in the Base Proposal amount of \$4,573,000 along with Allowance 1 in the amount of \$40,000 for a tank logo and Allowance 2 in the amount of \$25,000 for electrical service for a total award amount of \$4,638,000, contingent upon the bidder's timely submission of

Resolution 20230222-001  
Phase 1B South Inline Elevated Storage Tank Project Award

sufficient bonds and insurance in accordance with the bid documents for the Project and contingent upon approval of the proposed contract by the TWDB.

**SECTION 2.** The Project is funded through funds secured through the Texas Water Development Board and based on the Water Treatment and Delivery Agreement with the Guadalupe-Blanco River Authority.

**SECTION 3.** The Chair Alliance Water’s Board of Directors, Chris Betz, is authorized to execute the contract documents for the Project on behalf of Alliance Water.

**SECTION 4.** This Resolution shall be in full force and effect immediately upon its passage.

**ADOPTED: February 22, 2023**

**ATTEST:**

\_\_\_\_\_  
Chris Betz  
Chair, Board of Directors

\_\_\_\_\_  
Amber Schmeits  
Secretary, Board of Directors

**REGULAR MEETING**  
**Alliance Regional Water Authority Board of Directors**

**BOARD MEMBER PACKETS**

Wednesday, February 22, 2023 at 3:00 PM

Pauline Espinosa Community Hall, 170 Charles Austin Drive, San Marcos, TX 78666

- H.5** Consider adoption of Resolution 2023-02-22-002 approving Work Order #3 with Plummer & Associates, Inc. for Construction Administration Services on the Authority's Phase 1B South Inline Elevated Storage Tank Project. ~ *Graham Moore, P.E., Executive Director*
- 

Background/Information

Alliance Water entered into a Work Order in March 2021 with Plummer & Associates, Inc. (Plummer) to provide final design engineering services for the Phase 1B South Inline Elevated Storage Tank project. The final design is complete and the construction notice-to-proceed is expected to be issued in March. In order to maintain progress, Staff has negotiated a scope and fee with Plummer to provide construction administration and construction engineering services for the Phase 1B South Inline Elevated Storage Tank project.

Below are some of the key facts regarding the proposal:

Firm: Plummer & Associates, Inc.  
Fee: \$179,708 (50% ARWA)  
Work Order Type: Hourly, Not-to-Exceed  
Anticipated Duration: 15 months  
Project Manager: Eelhard Meneses, P.E.

Staff is requesting that the Committee recommend Board approval of a Work Order with a fee for the basic services of \$148,208 and a fee for supplemental effort in an amount not-to-exceed \$25,500 for a total fee of \$179,708. The Executive Director will be given the discretion to authorize the supplemental effort if needed.

Due to timing this item was not taken to the Technical Committee for consideration prior to bringing it to the Board of Director.

Attachment(s)

- Resolution 2023-02-22-002
- February 17, 2023 – South Inline EST Construction Phase Services.

**Board Decision(s) Needed:**

- Adoption of Resolution 2023-02-22-002 approving Work Order #3 with Plummer & Associates, Inc. for Construction Administration Services on the Authority's Phase 1B South Inline Elevated Storage Tank Project.



## ALLIANCE WATER

### RESOLUTION NO. 20230222-002

**A RESOLUTION OF THE ALLIANCE REGIONAL WATER AUTHORITY BOARD OF DIRECTORS APPROVING WORK ORDER #3 BETWEEN THE AUTHORITY AND PLUMMER & ASSOCIATES, INC. FOR CONSTRUCTION ADMINISTRATION PHASE SERVICES RELATED TO THE AUTHORITY'S PHASE 1B SOUTH INLINE ELEVATED STORAGE TANK PROJECT AND RELATED MATTERS, AND DECLARING AN EFFECTIVE DATE**

#### **RECITALS:**

1. Alliance Regional Water Authority (the "Authority") entered into a master agreement with Plummer & Associates, Inc. ("Plummer") for professional engineering services and related matters in June 2019.

2. The Authority hired Kimley-Horn & Associates to serve as the Owner's Representative for the Authority's Phase 1B Program. The Owner's Representative role is to assist the Authority with development of the Phase 1B Program as a whole, including coordination with all design firms after selection through completion of the Program.

3. The Authority entered into a work order with Plummer for preliminary design services for the Authority's Phase 1B South Inline Elevated Storage Tank Project (the "Project") in June 2019. The Authority and Plummer entered into a subsequent work order for Final Design and Bidding of the Project in March 2021.

4. The bid opening for the Project is complete and the Authority anticipates issuing a notice-to-proceed to the selected construction contractor in the near future.

5. The scope of services and fee for the attached work order was negotiated by the Executive Director and the Owner's Representative on behalf of the Authority. The work order references terms and conditions in the approved Master Agreement between the Authority and Plummer.

#### **BE IT RESOLVED BY THE BOARD OF DIRECTORS OF THE ALLIANCE REGIONAL WATER AUTHORITY:**

**SECTION 1.** The attached work order for Construction Administration Services for the Project between the Authority and Plummer is approved to be billed based on actual time and materials in an amount not-to-exceed \$179,708.

**SECTION 2.** The Authority's Executive Director, Graham Moore, is authorized to execute the attached agreement on behalf of the Authority.

**SECTION 3.** The Authority's Executive Director is authorized to issue supplemental work orders not to exceed, \$25,500.

**SECTION 4.** This Resolution shall be in full force and effect immediately upon its passage.

Resolution 20230222-002  
Phase 1B South Inline EST Project Construction Administration

**ADOPTED: February 22, 2023**

**ATTEST:**

---

Chris Betz  
Chair, Board of Directors

---

Amber Schmeits  
Secretary, Board of Directors



# Alliance Regional Water Authority South Inline Elevated Storage Tank Construction Phase

---

## SCOPE OF SERVICES

### Basic Services

BASIC SERVICES for the Alliance Regional Water Authority (Program) South Elevated Storage Tank (S-EST) project shall include the following tasks, to be completed by Plummer Associates, Inc. (ENGINEER). The proposed S-EST shall be located on Pipeline Segment C of the Program's transmission system. The S-EST will provide pressure maintenance for the pipeline segment of the Program's system. The Design Phase has been completed and the Bid Phase is nearing completion. ARWA are ready to move forward with the Construction Phase of the project and desires to continue to have PLUMMER assist with construction phase services related to the designed completed by PLUMMER.

#### 1. Project Management

##### 1.1. Project Management

1.1.1. Regular coordination with Owner's Representative and Construction Management and Inspection (CM&I) team as required to facilitate administration of the project.

##### 1.2. Prepare Monthly Summary Reports/Invoicing.

1.2.1. Includes up to 15 reports/invoices.

##### 1.3. Attend Monthly Progress Meetings scheduled and prepared by the CM&I team.

1.3.1. Includes up to 15 virtual meetings.

1.3.2. Each meeting will take up to 1 hour.

1.3.3. Meeting agenda and meeting minutes will be prepared and distributed by the CM&I team.

##### 1.4. Quality Control Audit Workshop

1.4.1. Participate in 1 virtual project quality audit.

1.4.2. Meeting will take up to 2 hours.

1.4.3. Meeting agenda and meeting minutes will be prepared and distributed by the Program Manager.

##### 1.5. QA/QC

1.5.1. Internal quality control activities.

#### 2. Miscellaneous Coordination

##### 2.1. TCEQ Meeting

2.1.1. Includes up to 1 virtual meeting.

2.1.2. Meeting will take up to 1 hour.

2.1.3. Meeting agenda and meeting minutes will be prepared and distributed by the CM&I team.

##### 2.2. TCEQ Final Completion Compliance Letter

2.2.1. Prepare and submit Final Completion Compliance Letter to TCEQ.

2.2.2. Response to comments shall be considered additional services.

2.2.3. Any required forms will be prepared by the CM&I team.

##### 2.3. TWDB Meeting

2.3.1. Includes up to 1 virtual meeting.

- 2.3.2. Meeting will take up to 1 hour.
- 2.3.3. Meeting agenda and meeting minutes will be prepared and distributed by the CM&I team.
- 2.4. TWDB Final Completion Compliance Letter
  - 2.4.1. Prepare and provide to the CM&I team the Final Completion Compliance Letter for submittal to the TWDB.
  - 2.4.2. CM&I team will prepare a complete package, including completed required forms, to be submitted to the TWDB.
  - 2.4.3. ENGINEER will perform a cursory review of the CM&I submittal package.
  - 2.4.4. CM&I will carry all coordination efforts for this task with the Contractor and the TWDB.
  - 2.4.5. Response to comments and/or resubmittals shall be considered additional services.
  - 2.4.6. CM&I will be responsible for submitting the Final Compliance Letter and complete package to the TWDB and will coordinate with them accordingly.
- 2.5. TxDOT Meeting
  - 2.5.1. Includes up to 1 virtual meeting.
  - 2.5.2. Meeting will take up to 1 hour.
  - 2.5.3. Meeting agenda and meeting minutes will be prepared and distributed by the CM&I team.
- 2.6. Guadalupe County Fire Marshall Meetings
  - 2.6.1. Includes up to 1 virtual meeting.
  - 2.6.2. Meeting will take up to 1 hour.
  - 2.6.3. Meeting agenda and meeting minutes will be prepared and distributed by the CM&I team.
- 2.7. Guadalupe County Fire Marshall Final Completion Compliance Letter
  - 2.7.1. Prepare and provide to the CM&I team the Final Completion Compliance Letter for submittal to the Guadalupe County Fire Marshal.
  - 2.7.2. CM&I team will prepare a complete package, including completed required forms, to be submitted to the Guadalupe County Fire Marshall.
  - 2.7.3. CM&I will carry all coordination efforts for this task with the Contractor and the Guadalupe County Fire Marshall.
  - 2.7.4. Response to comments and/or resubmittals shall be considered additional services.
  - 2.7.5. CM&I team will be responsible for submitting the Final Completion Letter and complete package to the Guadalupe County Fire Marshall and will coordinate with them accordingly.
- 2.8. Geotechnical Investigation Coordination
  - 2.8.1. Includes up to 4 hours of coordination time.
  - 2.8.2. Coordination is expected in the form of emails and phone calls.
- 2.9. Survey Coordination
  - 2.9.1. Includes up to 4 hours of coordination time.
  - 2.9.2. Coordination is expected in the form of emails and phone calls.
- 2.10. Electrical Service Provider Meetings
  - 2.10.1. Includes up to 1 virtual meeting.
  - 2.10.2. Meeting will take up to 1 hour.
  - 2.10.3. Meeting agenda and meeting minutes will be prepared and distributed by the CM&I team.
- 2.11. Electric Service Provider Coordination
  - 2.11.1. Includes up to 2 hours of coordination time.
  - 2.11.2. Coordination is expected in the form of emails and phone calls.

- 2.11.3. Included is a cursory review of the electric service provider's design.
- 2.12. Pipeline Segment D Coordination
  - 2.12.1. Includes up to 4 hours of coordination time.
  - 2.12.2. It is expected that coordination efforts for the tie-in will be included in this item.
  - 2.12.3. Coordination is expected in the form of emails and phone calls.

### **3. Construction Administration**

- 3.1. Construction kick-off meeting
  - 3.1.1. *Attend a pre-construction meeting coordinated by the CM&I team.*
  - 3.1.2. Includes up to 1 in-person meeting.
  - 3.1.3. Meeting shall last no longer than 2 hours.
  - 3.1.4. Meeting is expected to be held at the construction site.
  - 3.1.5. Meeting agenda and meeting minutes will be prepared and distributed by the CM&I team.
- 3.2. Review of Submittals
  - 3.2.1. Review shop drawings/submittals for conformance with the project plans and specifications and provide responses within 21 calendar days.
  - 3.2.2. It is assumed that this task will include up to 30 submittals and up to 10 resubmittals.
- 3.3. Change Orders (CO).
  - 3.3.1. Coordinate with CM&I team to prepare a description of proposed modifications. CM&I team will issue the RFP form to Contractor.
  - 3.3.2. Coordinate with CM&I team for review and response to RFP and provide recommendations to the Owner's Representative for consideration.
  - 3.3.3. Review Change Order prepared by the CM&I team.
  - 3.3.4. For the purpose of this scope, assume up to 2 COs.
- 3.4. Request for Information (RFI).
  - 3.4.1. Review Contractor questions or concerns that may arise during construction and respond within 14 calendar days.
  - 3.4.2. For the purpose of this scope, assume up to 6 RFIs and no re-submittals.
- 3.5. Review of third-party inspection reports.
  - 3.5.1. For the purpose of this scope, assume up to 30 reports.
  - 3.5.2. Reports may include compaction, welding, coating, and concrete strength reports.
  - 3.5.3. ENGINEER will provide feedback to the CM&I team if ENGINEER finds a discrepancy between the reports and the design requirements.
- 3.6. Monthly progress site visits/observations.
  - 3.6.1. For the purpose of this scope, assume up to 10 site visits/observations.
  - 3.6.2. It is assumed that each site visit will last up to 2 hours.
  - 3.6.3. Monthly progress site visits are separate from monthly virtual progress meetings.
  - 3.6.4. Site observations will be limited to spot checking, selective measurement, and similar methods of general observation/ based on information obtained during site visits, ENGINEER will evaluate whether Contractor's work is generally proceeding in accordance with the Contract Documents, and ENGINEER will keep client informed of the general progress of the work.
  - 3.6.5. ENGINEER is not required to make exhaustive or continuous inspections to check the quality or quantity of the work.
  - 3.6.6. In this effort, ENGINEER will report any observed deficiencies to the CM&I team.
  - 3.6.7. ENGINEER will not supervise, direct, or have control over Contractor's work, nor shall ENGINEER have authority to stop the work or have responsibility for the means, methods, techniques, equipment choice and usage, schedules, or procedures of construction

- selected by Contractor, for safety programs incident to Contractor's work, or for any failure of Contractor to comply with any laws.
- 3.6.8. ENGINEER does not guarantee the performance of any Contractor and has no responsibility for Contractor's failure to perform its work in accordance with the Contract Documents.
  - 3.6.9. ENGINEER is to inform the CM&I team of issues or concerns and the CM&I team is to work with Contractor to address these issues or concerns.
  - 3.6.10. ENGINEER will internally record notes regarding site visit. Notes will be available to the Owner upon request.
  - 3.6.11. ENGINEER will notify the CM&I team of inconsistencies that may have been observed with respect to Contract Documents.
  - 3.6.12. Site visit reports are not included and if requested, they shall be considered additional services.
- 3.7. Review monthly Contractor pay applications.
    - 3.7.1. ENGINEER will perform a monthly cursory review of Contractor's pay applications.
    - 3.7.2. It is assumed that this effort will include one monthly original submittal.
    - 3.7.3. Review of more than one monthly pay application and/or resubmittal of a pay application, shall be considered additional services.
    - 3.7.4. This task includes the review of up to 15 pay applications.
  - 3.8. Review monthly construction schedule.
    - 3.8.1. ENGINEER will perform a monthly cursory review of the Contractor's scheduled.
    - 3.8.2. It is assumed that this effort will include up to 15 schedule submittals review.
    - 3.8.3. Review of more than one monthly schedule and/or resubmittal of a schedule, shall be considered additional services.
  - 3.9. Review alternatives and substitutions.
    - 3.9.1. Review alternatives and substitutions proposed by the Contractor.
    - 3.9.2. Recommend acceptance or rejection of the requested substitutions.
    - 3.9.3. It is assumed that that his effort will include up to 2 alternatives/substitution requests.
    - 3.9.4. It is assumed that resubmittals will be considered additional services.
  - 3.10. Record drawings.
    - 3.10.1. ENGINEER will prepare Contract Record Drawings using the marked up red lines drawings provided by the Contractor during construction.
    - 3.10.2. Record drawing information will be based solely on the provided red line drawings and appropriate field documentation received from the CM&I team during construction site visits.
    - 3.10.3. Items associated with this work include:
      - 3.10.3.1. Prepare Record Drawings of the constructed project based on change order revisions and as built information provided by the Contractor and CM&I team.
      - 3.10.3.2. Provide the Owner's Representative with 1 set of Record Drawings in .pdf electronic format.
      - 3.10.3.3. Record Drawings will be prepared in PDF format and not in CAD.
      - 3.10.3.4. For the purpose of this proposal, Record Drawings in the form of CAD drawings will be considered additional services.
  - 3.11. Review of O&Ms.
    - 3.11.1. ENGINEER shall perform a cursory review of a single O&M package.
    - 3.11.2. It is assumed that the review of an O&M resubmittal(s) will be considered additional services.
    - 3.11.3. It is assumed that the ENGINEER will not assemble or prepare the O&M.

- 3.11.4. It is assumed that the CM&I team will provide a single O&M package to the ENGINEER for review in a timely manner.
  - 3.12. Substantial and final completion walk-throughs.
    - 3.12.1. ENGINEER will coordinate and provide assistance to the CM&I team in the preparation of a Punch List.
    - 3.12.2. ENGINEER to conduct 1 substantial completion walk-through, coordinated by the CM&I team. For the purpose of this scope, assume one-4hour site visit.
    - 3.12.3. After considering any objections from Owner’s Representative, if the ENGINEER considers the work substantially complete, ENGINEER will submit a Substantial Completion punch list and letter to the Owner’s Representative.
    - 3.12.4. ENGINEER to conduct 1 final completion walk-through, coordinated by the CM&I team to determine if the completed work of Contactor is acceptable to both the Owner’s Representative and ENGINEER so that ENGINEER may recommend, in writing, the final payment to the Contractor. For the purpose of this scope, assume one-4hour site visit.
  - 3.13. Start-up and commissioning.
    - 3.13.1. ENGINEER to attend the start-up and commissioning of the facilities. For the purpose of this scope, assume one-4hour site visit.
- 4. Supplemental Services**
- 4.1. Additional Services
    - 4.1.1. The scope of this task includes, but is not limited to, additional site visits, submittal and/or resubmittal reviews, COs, RFIs, inspection reports, coordination efforts, and any additional work necessary to have a successful construction project.
    - 4.1.2. It is assumed that the partial or complete use of this funds will require prior written authorization by the Client and/or Program Manager.

**Compensation**

Compensation shall be on a Time and Materials basis with a Not-to-Exceed Maximum. This compensation is divided among Basic Services, Reimbursable Expenses, and Supplemental Services, and invoices will reflect costs incurred on hourly rates and reimbursable expenses on the various tasks as defined below. Any tasks not specifically identified under Basic Services shall be considered Supplemental Services and must be separately authorized by the Program (Client).

Basic Services	
Project Management	\$ 25,770.00
Miscellaneous Coordination	\$ 14,605.00
Construction Administration	\$101,790.00
Reimbursable Expenses	<u>\$ 6,043.00</u>
Not-to-Exceed	\$ 148,208.00
Supplemental Services	<u>\$ 25,500.00</u>
Project Total	\$ 179,708.00

**Assumptions**

- 1. Owner will cover all costs related to obtaining, designing, and installation of electrical service.
- 2. Program Manager will facilitate coordination with Segment D Pipeline contractor/engineer.
- 3. All meetings will be held virtually, unless otherwise noted herein.
- 4. This scope of work is for the South Elevated Storage Tank.

5. Inspection reports shall be provided to ENGINEER within 10 calendar days from inspection date and/or testing date.

## **Additional Services**

The following services are services that are not included in the Basic Services but may be services that ARWA could choose to authorize. A budget and schedule for these services would be developed and agreed upon at the time of the request.

1. Meetings or presentations beyond those described in Basic Services.
2. Services resulting from significant changes in the scope, extent, or character of the portions of the Project.
3. Preparation of applications and supporting documents (in addition to those furnished under Basic Services) for private or governmental grants, loans, or advances in connection with the Project.
4. Preparing to serve or serving as a consultant or witness for the Owner in any litigation, arbitration, or other dispute resolution process related to the Project.
5. Site visits beyond those described in Basic Services.
6. Meetings beyond those described in Basic Services.
7. RFIs beyond the number allowed for in Basic Services.
8. COs beyond the number allowed for in Basic Services.
9. Reports beyond those described in Basic Services.

**PLUMMER ASSOCIATES, INC.**

**HOURLY FEE SCHEDULE**

**2023**

<b>Staff Description</b>	<b>Staff Code</b>	<b>2023 Rate</b>
Admin Staff	A1 – A2	\$ 95.00
Admin Staff III	A3	\$ 110.00
Senior Admin Staff	A4	\$ 115.00
Designer/Technician	C1-C2	\$ 120.00
Designer/Technician III	C3	\$ 135.00
Senior Designer/Technician	C4	\$ 150.00
Engineer/Scientist Intern	ES0	\$ 75.00
Engineer-in-Training/Scientist-in-Training	ES1	\$ 130.00
Engineer-in-Training/Scientist-in-Training II	ES2	\$ 140.00
Engineer-in-Training/Scientist-in-Training III	ES3	\$ 160.00
Project Engineer/Scientist	ES4	\$ 175.00
Project Manager I	ES5	\$ 190.00
Project Manager II	ES6	\$ 245.00
Senior Project Manager	ES7	\$ 275.00
Principal I	ES8	\$ 310.00
Principal II	ES9	\$ 360.00
Electrical Engineer in Training I	EE1	\$ 135.00
Electrical Engineer in Training II	EE2	\$ 145.00
Electrical Engineer in Training III	EE3	\$ 170.00
Electrical Specialist	EE4	\$ 200.00
Programmer	EE5	\$ 230.00
Programmer II	EE6	\$ 250.00
Senior Electrical Engineer	EE7	\$ 325.00

Billing rates may be adjusted by up to 4 percent annually (at the beginning of each calendar year) during the term of this agreement.

A multiplier of 1.15 will be applied to all direct expenses

A technology charge will be billed at \$5 per labor hour.

**Alliance Regional Water Authority  
Alliance Regional Water Authority  
ARWA 1BEST South EST Construction Phase  
Project No. 1**

Level 2 (Phase) No. and Description Level 3 (Task) No. and Description	Principal (hrs)	Elec Engr (hrs)	Proj Mgr (hrs)	Proj Engr (hrs)	EIT (hrs)	Technician (hrs)	Clerical (hrs)	QC (hrs)	Total Labor		Percent of Total Fee
									Hours	Fee (\$\$)	
<b>ARWA 1BEST South EST Construction Phase</b>	<b>2</b>	<b>97</b>	<b>201</b>	<b>241</b>	<b>179</b>	<b>43</b>	<b>0</b>	<b>8</b>	<b>771</b>	<b>\$ 167,665</b>	<b>100.0%</b>
<b>1 Project Management</b>	<b>2</b>	<b>5</b>	<b>64</b>	<b>15</b>	<b>11</b>	<b>0</b>	<b>0</b>	<b>4</b>	<b>101</b>	<b>\$ 25,770</b>	<b>15.4%</b>
1 Project Management			30						30	\$ 8,250	4.9%
2 Invoices and Schedules (up to 15)			15		7				22	\$ 5,245	3.1%
3 Attend 15 Monthly Progress Meetings with Client and Prog Mgr (virtually @ 1hr/meeting)	2	5	15	15					37	\$ 9,095	5.4%
4 Quality Control Audit Workshop			4		4				8	\$ 1,740	1.0%
5 QA/QC								4	4	\$ 1,440	0.9%
<b>2 Miscellaneous Coordination</b>	<b>0</b>	<b>6</b>	<b>16</b>	<b>29</b>	<b>18</b>	<b>2</b>	<b>0</b>	<b>0</b>	<b>71</b>	<b>\$ 14,605</b>	<b>8.7%</b>
1 TCEQ Meetings (up to 1 virtual meetings @1hr each)			1	2	2				5	\$ 945	0.6%
2 TCEQ Final Completion Compliance Letter (not including response to comments)			1	4	1				6	\$ 1,135	0.7%
3 TWDB Meetings (up to 1 virtual meetings @1hr each)			1	2	2				5	\$ 945	0.6%
4 TWDB Final Completion Compliance Letter (not including response to comments)			1	4	4				9	\$ 1,615	1.0%
5 TxDOT Meetings (up to 1 virtual meetings @ 1hr each)			1	2	2				5	\$ 945	0.6%
6 Guadalupe County FM Meetings (up to 1 virtual meetings @ 1hr each)			1	2	2				5	\$ 945	0.6%
7 Guadalupe County FM Final Completion Compliance Letter (not including response to comments)			1	4	1				6	\$ 1,135	0.7%
8 Geotechnical Investigation Coordination			2	2					4	\$ 900	0.5%
9 Survey Coordination			2	2		2			6	\$ 1,200	0.7%
10 Electric Service Provider Meetings (up to 1 virtual meetings @1hr each)		2	1	1					4	\$ 1,100	0.7%
11 Electric Service Provider Coordination		4			4				8	\$ 1,940	1.2%
12 Pipeline Segment D Coordination			4	4					8	\$ 1,800	1.1%
<b>3 Construction Administration</b>	<b>0</b>	<b>66</b>	<b>96</b>	<b>172</b>	<b>125</b>	<b>16</b>	<b>0</b>	<b>4</b>	<b>479</b>	<b>\$ 101,790</b>	<b>60.7%</b>
1 Construction Kick off Meeting (on-site @2hr/meeting)		4	5	4	4				17	\$ 4,015	2.4%
2 Review of Submittals (up to 30 submittals and 10 resubmittals)			25	40	40				105	\$ 20,275	12.1%
3 Change Orders (up to 2 COs)		2	2	8	6	4			22	\$ 4,160	2.5%
4 Request For Information (up to 6 RFIs)		6	3	12	16	6			43	\$ 8,335	5.0%
5 Review of Third Party Inspection Reports (up to 30 reports)		6	15	30	15				66	\$ 13,725	8.2%
6 Monthly Progress Site Visits/Observation (up to 10 site visits @2hrs/visit)		10	10	30	10				60	\$ 12,850	7.7%
7 Review Monthly Construction Pay Applications (up to 15)		4	8	8	8				28	\$ 6,180	3.7%
8 Review Monthly Schedule Updates from Contractor (up to 15)			4	8					12	\$ 2,500	1.5%
9 Review Alternatives and Substitutions (up to 2 substitutions)		4	2	4	6	2			18	\$ 3,810	2.3%
10 Record Drawings		4	2	4	8	4		4	26	\$ 5,870	3.5%
11 Review of O&M Manuals		6	2	4	8				20	\$ 4,480	2.7%
12 Substantial and Final Completion Walk-Throughs (up to 2 site visits @4hrs each)		14	12	14	4				44	\$ 10,940	6.5%
13 Start-Up and Commissioning (up to 1 half day @4hrs)		6	6	6					18	\$ 4,650	2.8%
<b>4 Supplemental Services (Requires Prior Authorization)</b>	<b>0</b>	<b>20</b>	<b>25</b>	<b>25</b>	<b>25</b>	<b>25</b>	<b>0</b>	<b>0</b>	<b>120</b>	<b>\$ 25,500</b>	<b>15.2%</b>
1 Additional Services		20	25	25	25	25			120	\$ 25,500	15.2%
<b>TOTAL LABOR</b>	<b>2</b>	<b>97</b>	<b>201</b>	<b>241</b>	<b>179</b>	<b>43</b>	<b>0</b>	<b>8</b>	<b>771</b>	<b>\$ 167,665</b>	<b>100.0%</b>
Total Labor Hours	2	97	201	241	179	43	0	8	771		
Total Labor Amount										\$ 167,665	100.0%
Labor Rates per Hour	\$360	\$325	\$275	\$175	\$160	\$150	\$95	\$360			
Total Amounts by Labor Category	\$ 720	\$ 31,525	\$ 55,275	\$ 42,175	\$ 28,640	\$ 6,450	\$ -	\$ 2,880		\$ 167,665	
Labor Category Percent of Total Labor	0.4%	18.8%	33.0%	25.2%	17.1%	3.8%	0.0%	1.7%			100.0%
<b>TOTAL EXPENSES (see breakdown below)</b>											
Total Subconsultants										\$ -	
Total Reimbursables										\$ 6,043	
Total Expenses										\$ 6,043	
<b>GRAND TOTAL - ARWA 1BEST South EST Construction Phase</b>										<b>\$ 173,708</b>	

**SUBCONSULTANT EXPENSES**

Code	Description	Budget (\$\$)	Markup	Fee (\$\$\$)
CA	Architect Consultant	\$ -	- 1.15	\$ -
CC	Civil Engr Consultant	\$ -	- 1.15	\$ -
CE	Electrical Consultant	\$ -	- 1.15	\$ -
CG	Geotechnical Consultant	\$ -	- 1.15	\$ -
CM	Mechanical Consultant	\$ -	- 1.15	\$ -
CO	CMT Inspections	\$ -	- 1.15	\$ -
CS	Welding Inspections	\$ -	- 1.15	\$ -
CY	Coating Inspections	\$ -	- 1.15	\$ -
C1		\$ -	- 1.15	\$ -
C2		\$ -	- 1.15	\$ -
C3		\$ -	- 1.15	\$ -
C4		\$ -	- 1.15	\$ -
C5		\$ -	- 1.15	\$ -
C6		\$ -	- 1.15	\$ -
<b>TOTAL SUBCONSULTANT EXPENSES</b>		<b>\$ -</b>		<b>\$ -</b>

**REIMBURSABLE EXPENSES**

Code	Description	Budget (\$\$)	Markup	Fee (\$\$\$)
RA	Laboratory Analysis	\$ -	- 1.15	\$ -
RC	Technology	\$ 3,855	- 1.15	\$ 4,433
RH	Historical	\$ -	- 1.15	\$ -
RI	In-House Reproduction	\$ 400	- 1.15	\$ 460
RL	Long Distance Telephone	\$ -	- 1.15	\$ -
RM	Employee Mileage	\$ 1,000	- 1.15	\$ 1,150
RO	Other Expenses	\$ -	- 1.15	\$ -
RP	Purchased Services	\$ -	- 1.15	\$ -
RR	Reproduction	\$ -	- 1.15	\$ -
RS	Shipping, Delivery, Postage	\$ -	- 1.15	\$ -
RT	Travel, Meals, Lodging	\$ -	- 1.15	\$ -
RJ	Telecommunications	\$ -	- 1.00	\$ -
R1		\$ -	- 1.15	\$ -
R2		\$ -	- 1.15	\$ -
<b>TOTAL REIMBURSABLE EXPENSES</b>		<b>\$ 5,255</b>		<b>\$ 6,043</b>



**REGULAR MEETING**  
**Alliance Regional Water Authority Board of Directors**

**BOARD MEMBER PACKETS**

Wednesday, February 22, 2023 at 3:00 PM

Pauline Espinosa Community Hall, 170 Charles Austin Drive, San Marcos, TX 78666

- H.6** Consider adoption of Resolution 2023-02-22-003 approving Work Order #7 with HVJ South Central Texas – M&J, Inc. for material testing on the Segment E Pipeline project, as recommended by the Technical Committee. ~ *Graham Moore, P.E., Executive Director*
- 

Background/Information

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

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

Below are some of the key facts regarding the proposal:

<b>Firm:</b>	HVJ, Inc.
<b>Project:</b>	Segment E (ARWA Share 81.3%)
<b>Fee:</b>	\$392,695
<b>Work Order Type:</b>	Hourly, Not-to-Exceed
<b>Duration:</b>	Thru 5/2024
<b>Project Manager:</b>	Jimmy Si

Attachment(s)

- Resolution 2023-02-22-003
- ARWA Segment E Proposal dated February 2, 2023

Recommendations

- The Technical Committee unanimously recommended the approval of the Work Order with HVJ for Segment E material testing.

**Board Decision(s) Needed:**

- Adoption of Resolution 2023-02-22-003 approving Work Order #7 with HVJ South Central Texas – M&J, Inc. for Construction Material Testing Services on the Authority's Phase 1B Segment E Pipeline Project.



**ALLIANCE WATER**

**RESOLUTION NO. 20230222-003**

**A RESOLUTION OF THE ALLIANCE REGIONAL WATER AUTHORITY BOARD OF DIRECTORS APPROVING WORK ORDER #7 BETWEEN THE AUTHORITY AND HVJ SOUTH CENTRAL TEXAS – M&J, INC. FOR MATERIAL TESTING SERVICES RELATED TO THE AUTHORITY’S PHASE 1B SEGMENT E PIPELINE PROJECT AND RELATED MATTERS, AND DECLARING AN EFFECTIVE DATE**

**RECITALS:**

- 1. The Alliance Regional Water Authority (the “Authority”) entered into a Master Agreement with HVJ South Central Texas – M&J, Inc. (HVJ) in July 2021 for material testing services after having conducted a request for qualifications process.
- 2. The Authority is in need of material testing services for its Segment E Pipeline Project.
- 3. The Executive Director negotiated Work Order #7 with HVJ for the material testing necessary for the Segment E Pipeline Project.
- 4. The work order references terms and conditions in the Master Agreement.

**BE IT RESOLVED BY THE BOARD OF DIRECTORS OF THE ALLIANCE REGIONAL WATER AUTHORITY:**

- SECTION 1.** The attached Work Order #7 for Material Testing Services for the Phase 1B Segment E Project between the Authority and HVJ is approved.
- SECTION 2.** The Authority’s Executive Director, Graham Moore, is authorized to execute Work Order #7 on behalf of the Authority.
- SECTION 4.** This Resolution shall be in full force and effect immediately upon its passage.

**ADOPTED: February 22, 2023.**

**ATTEST:**

---

Chris Betz  
Chair, Board of Directors

---

Amber Schmeits  
Secretary, Board of Directors



4201 Freidrich Lane, Suite 110

Austin, Texas 78744

512.447.9081 Ph

512.443.3442 Fax

[www.hvj.com](http://www.hvj.com)

Feb. 2, 2023

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

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

Dear Mr. Moore:

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

### **Project Description**

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

### **Scope of Services**

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

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

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

## Cost Estimate

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

## Assumptions

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

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

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

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

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

## Limitations

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

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

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

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

Sincerely,

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



Jimmy Si, P.E.  
Sr. Project Manager



Syed Jafar, P.E.  
Executive Vice President

Enclosures:

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

### Itemized Cost Estimate

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

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

Attachment A

**ALLIANCE REGIONAL WATER AUTHORITY MASTER FEE  
SCHEDULE**

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

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

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

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

Attachment A

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



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

Attachment A

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

**1300 Reimbursable Expenses:**

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

**General Notes**

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

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

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

**REGULAR MEETING**  
**Alliance Regional Water Authority Board of Directors**

**BOARD MEMBER PACKETS**

Wednesday, February 22, 2023 at 3:00 PM

Pauline Espinosa Community Hall, 170 Charles Austin Drive, San Marcos, TX 78666

- H.7** Consider adoption of Resolution 2023-02-22-004 approving Work Order #7 with Kimley-Horn & Associates, Inc. for Owner’s Representative Services for March 2023 through February 2024 for the Authority’s Phase 1B Program, as recommended by the Technical Committee. ~ *Graham Moore, P.E., Executive Director*

Background/Information

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

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

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

\* Projected

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

Scope of Work

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

<b>Task</b>	<b>Anticipated Fee</b>
1 – Program Management Plan Updates	\$5,455
2 – Stakeholder Coordination	\$160,793
3 - Budgeting	\$91,252
4 - Schedule	\$32,002
5 – Reporting	\$36,930
6 – Data Management	\$71,058
7 – Environmental Management	\$31,866
8 – Land Acquisition Management	\$294,091

**REGULAR MEETING**  
**Alliance Regional Water Authority Board of Directors**

**BOARD MEMBER PACKETS**

Wednesday, February 22, 2023 at 3:00 PM

Pauline Espinosa Community Hall, 170 Charles Austin Drive, San Marcos, TX 78666

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

Fee Schedule

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

Contract

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

Attachment(s)

- Resolution 2023-02-22-004
- Proposal dated February 2, 2023 from Kimley-Horn for Phase 1B – Owner's Representative Services

Recommendations

- The Technical Committee unanimously recommended the approval of the Work Order with Kimley-Horn for Phase 1B Program Management through February 2024..

**Board Decision Needed:**

- Adoption of Resolution 2023-02-22-004 approving Work Order #7 with Kimley-Horn & Associates, Inc. for Owner's Representative Services for March 2023 through February 2024 for the Authority's Phase 1B Program.



**ALLIANCE WATER**

**RESOLUTION NO. 20230222-004**

**A RESOLUTION OF THE ALLIANCE REGIONAL WATER AUTHORITY BOARD OF DIRECTORS APPROVING WORK ORDER #7 BETWEEN THE AUTHORITY AND KIMLEY-HORN & ASSOCIATES, INC. FOR OWNER’S REPRESENTATIVE SERVICES FOR MARCH 2023 THROUGH FEBRUARY 2024 RELATED TO THE AUTHORITY’S PHASE 1B PROGRAM AND RELATED MATTERS, AND DECLARING AN EFFECTIVE DATE**

**RECITALS:**

1. The Alliance Regional Water Authority (the “Authority”) through the adoption of Resolution 20180228-003 entered into a work order with Kimley-Horn & Associates, Inc. (“Kimley-Horn”) for Owner’s Representative Services for the Authority’s Phase 1B Program. The scope of services was for the time period beginning March 1, 2018 and ending February 28, 2019. Separate work orders for three subsequent years running from March through February were later approved by the Board.

2. The Hays Caldwell Public Utility Agency, the predecessor to the Authority entered into a master agreement with Kimley-Horn for engineering services and related matters in August 2015.

3. The scope of services and fee for the attached work order was negotiated by the Executive Director on behalf of the Authority. The scope of services covers the period from March 1, 2023 through February 29, 2024. The work order references terms and conditions in the approved Master Agreement between the Authority and Kimley-Horn.

**BE IT RESOLVED BY THE BOARD OF DIRECTORS OF THE ALLIANCE REGIONAL WATER AUTHORITY:**

**SECTION 1.** The attached work order for Owner’s Representative services between the Authority and Kimley-Horn is approved.

**SECTION 2.** The Executive Director of Alliance Regional Water Authority, Graham Moore, is authorized to execute the attached agreement on behalf of the Authority.

**SECTION 3.** This Resolution shall be in full force and effect immediately upon its passage.

**ADOPTED: February 22, 2023.**

**ATTEST:**

\_\_\_\_\_  
Chris Betz  
Chair, Board of Directors

\_\_\_\_\_  
Amber Schmeits  
Secretary, Board of Directors



February 2, 2023

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

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

## **PROJECT DEFINITION AND BACKGROUND**

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

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

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

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

## KEY TERMINOLOGY

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

## SCOPE OF WORK

### 1. Program Management Plan Updates

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

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

#### **Task Meetings:**

- None

## 2. Stakeholder Coordination

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

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

### **Task Meetings:**

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

## 3. Budgeting

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

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

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

**Task Meetings:**

- None.

**4. Schedule**

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

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

**Task Meetings:**

- None.



## 5. Reporting

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

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

Progress reports for projects in construction will be prepared by the CM&I team.

### **Task Meetings:**

- None.

## 6. Data Management

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

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

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

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

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

**Task Meetings:**

- None.

**Deliverables:**

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

**7. Environmental Management**

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

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

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

**Task Meetings:**

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

**8. Land Acquisition Management**

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

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

**Task Meetings:**

- Weekly progress meetings

## 9. Texas Water Development Board Management

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

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

### **Task Meetings:**

- TWDB progress meetings

## 10. Design Standards Updates

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

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

### **Task Meetings:**

- Specifications and Details Review Meeting (1 total).

## 11. Engineering Design Management

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

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

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

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

### **Task Meetings:**

- Consultant Design Teams progress meetings

## 12. Quality Assurance

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

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

**Task Meetings:**

- None.

**13. Electrical Power Planning**

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

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

The following tasks shall be performed:

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

**Task Meetings:**

- Alliance Water and Electrical Service Providers coordination meetings

**14. Permit Coordination/Tracking**

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

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

14.3.1. TCEQ – includes the following tasks:

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

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

**Task Meetings:**

- As already defined in Task 2 – Stakeholder Coordination.

**15. Procurement and Construction Phase Services**

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

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

The following tasks are anticipated:

- 15.1. Procurement Services
  - 15.1.1. Pre-Proposal Meeting
    - 15.1.1.1. Prepare agenda and lead meeting
    - 15.1.1.2. Collect questions and provide to Design Consultant for review and response
  - 15.1.2. Addenda Review
    - 15.1.2.1. Review administratively
  - 15.1.3. Proposal Evaluation and Recommendation
    - 15.1.3.1. Review and participate in scoring proposals submitted for construction packages and provide formal recommendation to Owner
  - 15.1.4. Committee and Board Items
    - 15.1.4.1. Present Proposal Summary and formal recommendation to PAC and Board as well as the Technical Committee, if time permits
  - 15.1.5. Execution of Contract
    - 15.1.5.1. Coordinate construction contract execution
- 15.2. Construction Phase Services
  - 15.2.1. Administration
    - 15.2.1.1. Prepare and present at workshop on administrative construction procedures
    - 15.2.1.2. Review and comment on Construction Administrative Data Management Plan (prepared by the CM&I)
    - 15.2.1.3. Coordination with design consultant, CM&I and Alliance Water for general management tasks
  - 15.2.2. Preconstruction Meetings
    - 15.2.2.1. Attend

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

**Task Meetings:**

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

**16. Project Administration**

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

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

**Task Meetings:**

- None.



## 17. Other Services

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

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

### **Task Meetings:**

- None

## 18. Environmental Construction Phase Services

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

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

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

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

Assumptions:

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

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

## FEE AND EXPENSES

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

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

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

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

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

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

Very Truly Yours,



V. Ryan Sowa, P.E.  
Project Manager



Glenn Gary, P.E.  
Senior Vice President

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

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

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

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







Alliance Regional Water Authority														Project Fee Summary										
Owner's Representative / Program Management (Work Order No. 7)														Total Effort	\$ 1,622,327									
2/2/2023																								
Detailed Overall Kimley-Horn Cost Breakdown																								
Scope of Services																								
Task	Project Role	QA/QC / Senior Mgr / Principal	Senior Tech. Adv / Deputy Prj Mgr	Senior Engineer	GIS Specialist	Civil Engineer	IT Professional	GIS Developer	CADD Operator / Senior Technician	Engineer-in-Training II	Engineer-in-Training I	GIS Analyst	Administrative Staff / Technician	Total Hours	Total Labor Effort	Total Expense Effort	Foster CM Group	CP&Y	Grubb	Spitzer	V&A	Total Sub Effort	Total Effort	Assumptions
	Hourly Bill Rate	\$290.00	\$245.00	\$200.00	\$180.00	\$185.00	\$155.00	\$170.00	\$145.00	\$160.00	\$135.00	\$140.00	\$100.00											
Review/Comment on TWDB EFR deliverables prepared by DC														0	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Review/Comment on milestone submittals prepared by DC														0	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Review/Comment on OPCC's prepared by DC														0	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Other Design-related services as assigned by Alliance Water														0	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
11.2 Management and Coordination of Well Pumps and Raw Water Inf.														0	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Identify early actions required														0	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Assist with the development and review of project scope for the DC														0	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Assist with the review of proposed LOE developed by the DC														0	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Assist with the review of Design Consultants monthly invoices		8				4								12	\$ 3,060	\$ -	\$ 1,760	\$ -	\$ -	\$ -	\$ -	\$ 1,760	\$ -	\$ 4,820
Perform regular coordination with the DC to discuss ongoing tasks		4												4	\$ 1,160	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,160
Perform as-needed site visits with Design Consultants														0	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Review/Comment on TWDB EFR deliverables prepared by DC														0	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Review/Comment on milestone submittals prepared by DC														0	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Review/Comment on OPCC's prepared by DC														0	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Other Design-related services as assigned by Alliance Water														0	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
11.3 Management and Coordination of WTP and HSPS														0	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Identify early actions required														0	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Assist with the development and review of project scope for the DC														0	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Assist with the review of proposed LOE developed by the DC														0	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Assist with the review of Design Consultants monthly invoices		8				4								12	\$ 3,060	\$ -	\$ 2,156	\$ -	\$ -	\$ -	\$ -	\$ 2,156	\$ -	\$ 5,216
Perform regular coordination with the DC to discuss ongoing tasks		4												4	\$ 1,160	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,160
Perform as-needed site visits with Design Consultants														0	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Review/Comment on TWDB EFR deliverables prepared by DC														0	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Review/Comment on milestone submittals prepared by DC														0	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Review/Comment on OPCC's prepared by DC														0	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Other Design-related services as assigned by Alliance Water														0	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
11.4 Management and Coordination of Transmission Pipeline (5 Contracts)														0	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Identify early actions required														0	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Assist with the development and review of project scope for the DC														0	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Assist with the review of proposed LOE developed by the DC														0	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Assist with the review of Design Consultants monthly invoices		12	24			18								54	\$ 12,690	\$ -	\$ 3,520	\$ -	\$ -	\$ -	\$ -	\$ 3,520	\$ -	\$ 16,210
Perform regular coordination with the DC to discuss ongoing tasks		6	24											30	\$ 7,620	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 7,620
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		3	12											15	\$ 3,810	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 3,810
11.5 Management and Coordination of Admin. Building and Ops. Center														0	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Identify early actions required														0	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Assist with the development and review of project scope for the DC														0	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Assist with the review of proposed LOE developed by the DC														0	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Review and provide comments on the PMP prepared by the DC														0	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Assist with the review of Design Consultants monthly invoices														0	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Perform regular coordination with the DC to discuss ongoing tasks														0	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Perform initial windshield survey to review the overall Phase 1B projects														0	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Perform as-needed site visits with Design Consultants														0	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Review/Comment on TWDB EFR deliverables prepared by DC														0	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Review/Comment on milestone submittals prepared by DC														0	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Review/Comment on OPCC's prepared by DC														0	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Other Design-related services as assigned by Alliance Water														0	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
11.6 Management and Coordination of BPS & Delivery Points														0	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Identify early actions required														0	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Assist with the development and review of project scope for the DC														0	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Assist with the review of proposed LOE developed by the DC														0	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Assist with the review of Design Consultants monthly invoices		12				6								18	\$ 4,590	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 4,590
Perform regular coordination with the DC to discuss ongoing tasks		6												6	\$ 1,740	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,740
Perform as-needed site visits with Design Consultants														0	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Review/Comment on TWDB EFR deliverables prepared by DC														0	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Review/Comment on milestone submittals prepared by DC														0	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Review/Comment on OPCC's prepared by DC														0	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Other Design-related services as assigned by Alliance Water														0	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
11.7 Management and Coordination of Elevated Storage Tanks														0	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Identify early actions required														0	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Assist with the development and review of project scope for the DC		2	4											6	\$ 1,560	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,560
Assist with the review of proposed LOE developed by the DC		2	4											6	\$ 1,560	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,560
Assist with the review of Design Consultants monthly invoices		6	12											18	\$ 4,680	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 4,680
Perform regular coordination with the DC to discuss ongoing tasks			12											12	\$ 2,940	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 2,940
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		6	6																					

Alliance Regional Water Authority														Project Fee Summary															
Owner's Representative / Program Management (Work Order No. 7)														Total Effort	\$ 1,622,327														
2/2/2023																													
Detailed Overall Kimley-Horn Cost Breakdown																													
Scope of Services																													
Task	Project Role	QA/QC / Senior Mgr / Principal	Senior Tech. Avia / Deputy Prj Mgr	Senior Engineer	GIS Specialist	Civil Engineer	IT Professional	GIS Developer	CADD Operator / Senior Technician	Engineer-in-Training II	Engineer-in-Training I	GIS Analyst	Administrative Staff / Technician	Total Hours	Total Labor Effort	Total Expense Effort	Foster CM Group	CP&Y	Grubb	Spitzer	V&A	Total Sub Effort	Total Effort	Assumptions					
	Hourly Bill Rate	\$290.00	\$245.00	\$200.00	\$180.00	\$185.00	\$155.00	\$170.00	\$145.00	\$160.00	\$135.00	\$140.00	\$100.00																
11.10.1	Hydrogeology / Well Drilling													0	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -					
11.10.2	Raw Water Facilities													0	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -					
11.10.3	WTP / HSPS													0	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -					
11.10.4	Pipelines													0	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -					
11.10.5	Administrative Building and Operations Center													0	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -					
11.10.6	BPS & Delivery Points													0	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -					
11.10.7	Elevated Storage Tanks	3	6											9	\$ 2,340	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 2,340					
11.10.8	Program Survey													0	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -					
<b>Task 12 - Quality Assurance</b>															\$ 3,630	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 3,630	\$ 3,630	
12.1	Review the QA/QC Plans prepared by the Consultants based on PMP	1	3			1								5	\$ 1,210	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,210					
12.2	Perform regular coordination with all Consultants on QA/QC imp.	1	3			1								5	\$ 1,210	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,210					
12.3	Review/Receive QA/QC documentation from Consultants	1	3			1								5	\$ 1,210	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,210					
<b>Task 13 - Electrical Power Planning</b>															\$ 2,375	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 2,375	\$ 2,375	
13.1	Perform Prelim. Analyses to determine approx. demand and energy													0	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -					
13.2	Develop a strategy for cont., gathering system quality, and reliability data	1				1								2	\$ 475	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 475					
13.3	Coordination with Electrical Service Providers to evaluate costs													0	\$ -	\$ -	\$ -	\$ 990	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 990					
13.4	Assist Alliance Water with negotiations on the electrical supply agr.													0	\$ -	\$ -	\$ -	\$ 990	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 990					
13.5	Assist Alliance Water by defining special equipment needs	1				1								2	\$ 475	\$ -	\$ -	\$ 1,980	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 2,455					
13.6	Alliance Water and Electrical Service Providers Coord. Meetings	3				3								6	\$ 1,425	\$ -	\$ -	\$ 990	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 2,415					
<b>Task 14 - Permit Coordination/Tracking</b>															\$ 2,850	\$ -	\$ -	\$ 16,852	\$ -	\$ -	\$ -	\$ -	\$ 16,852	\$ 19,702					
14.1	Perform regular coordination with Consultants	1												1	\$ 290	\$ -	\$ 2,442	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 2,732					
14.2	Incorporate permit updates from Consultants into master tracking list	2												2	\$ 580	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 580					
14.3	Management of Permit Submittal	3				6								9	\$ 1,980	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,980					
14.3.1	TCEQ													0	\$ -	\$ -	\$ 4,972	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 4,972					
14.3.2	TxDOT - Design Consultants													0	\$ -	\$ -	\$ 6,996	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 6,996					
14.3.3	UPRR													0	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -					
14.3.4	Counties (Hays, Caldwell, Guadalupe)													0	\$ -	\$ -	\$ 2,442	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 2,442					
14.3.5	Cities (Kyle, San Marcos, Umland, Lockhart, Maxwell, others)													0	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -					
14.3.6	Private utilities													0	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -					
<b>Task 15 - Procurement and Construction Phase Services</b>															\$ 115,985	\$ -	\$ -	\$ 169,147	\$ -	\$ -	\$ -	\$ -	\$ 169,147	\$ 285,132					
15.1	Management and Coordination of Hydrogeology/Well Drilling													0	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -					
	Procurement Services													0	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -					
	Pre-Proposal Meeting													0	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -					
	Addenda Review													0	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -					
	Proposal Evaluation and Recommendation													0	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -					
	Committee and Board Items													0	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -					
	Execution of Contract													0	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -					
	Construction Phase Services													0	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -					
	Administration													0	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -					
	Preconstruction Meetings													0	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -					
	Monthly Construction Meetings													0	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -					
	Construction Activities													0	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -					
	Submittals													0	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -					
	Substitutions													0	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -					
	Request for Information													0	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -					
	Pay Request													0	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -					
	Defective Work													0	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -					
	Change Orders													0	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -					
	Record Drawings													0	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -					
	Commissioning													0	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -					
	Substantial Completion													0	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -					
	Final Walkthrough													0	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -					
	Warranty Walkthrough													0	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -					
15.2	Management and Coordination of Well Pumps and Raw Water Inf.													0	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -					
	Procurement Services													0	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -					
	Pre-Proposal Meeting													0	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -					
	Addenda Review													0	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -					
	Proposal Evaluation and Recommendation													0	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -					
	Committee and Board Items													0	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -					
	Execution of Contract													0	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -					
	Construction Phase Services													0	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -					
	Administration	3												3	\$ 870	\$ -	\$ 1,760	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 2,630					
	Preconstruction Meetings													0	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -					
	Monthly Construction Meetings	2												2	\$ 580	\$ -	\$ 1,760	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 2,340					
	Construction Activities													0	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -					
	Submittals	2												2	\$ 580	\$ -	\$ 11,319	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 11,899					
	Substitutions													0	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -					
	Request for Information	2												2	\$ 580	\$ -	\$ 3,740	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 4,320					
	Pay Request	1												1	\$ 290	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 290					
	Defective Work													0	\$ -	\$ -	\$ 2,838	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 2,838					
	Change Orders	2												2	\$ 580	\$ -	\$ 3,740	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 4,320					
	Record Drawings	1												1	\$ 290	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 290					
	Commissioning	1												1	\$ 290	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 290					
	Substantial Completion	1												1	\$ 290	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 290					
	Final Walkthrough	1												1	\$ 290	\$ -	\$ 1,980	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 2,270					
	Warranty Walkthrough													0	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -					
15.3	Management and Coordination of WTP and HSPS													0	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -					
	Procurement Services													0	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -					
	Pre-Proposal Meeting													0	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -					
	Addenda Review													0	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -					



Alliance Regional Water Authority														Project Fee Summary											
Owner's Representative / Program Management (Work Order No. 7)														Total Effort	\$ 1,622,327										
2/2/2023																									
Detailed Overall Kimley-Horn Cost Breakdown																									
Scope of Services																									
Task	Project Role	QA/QC / Senior Mgr / Principal	Senior Tech. / Senior Engineer	Senior Engineer	GIS Specialist	Civil Engineer	IT Professional	GIS Developer	CADD Operator / Senior Technician	Engineer-in-Training II	Engineer-in-Training I	GIS Analyst	Administrative Staff / Technician	Total Hours	Total Labor Effort	Total Expense Effort	Foster CM Group	CP&Y	Grubb	Spitzer	V&A	Total Sub Effort	Total Effort	Assumptions	
	Hourly Bill Rate	\$290.00	\$245.00	\$200.00	\$180.00	\$185.00	\$155.00	\$170.00	\$145.00	\$160.00	\$135.00	\$140.00	\$100.00												
Substantial Completion			4											4	\$ 980	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 980		
Final Walkthrough			4											4	\$ 980	\$ -	\$ 1,980	\$ -	\$ -	\$ -	\$ -	\$ 1,980	\$ 2,960		
Warranty Walkthrough														0	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -		
15.7 Management and Coordination of Elevated Storage Tanks														0	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -		
Procurement Services														0	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -		
Pre-Proposal Meeting		2	3											5	\$ 1,315	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,315		
Addenda Review		2	3											5	\$ 1,315	\$ -	\$ 990	\$ -	\$ -	\$ -	\$ -	\$ 990	\$ 2,305		
Proposal Evaluation and Recommendation		3												3	\$ 870	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 870		
Committee and Board Items		2	2											4	\$ 1,070	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,070		
Execution of Contract		1	3											4	\$ 1,025	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,025		
Construction Phase Services														0	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -		
Administration		10	10											20	\$ 5,350	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 5,350		
Preconstruction Meetings		4	4											8	\$ 2,140	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 2,140		
Monthly Construction Meetings		6	12											18	\$ 4,680	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 4,680		
Construction Activities														0	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -		
Submittals		4	16											20	\$ 5,080	\$ -	\$ 5,456	\$ -	\$ -	\$ -	\$ -	\$ 5,456	\$ 10,536		
Substitutions		2	6											8	\$ 2,050	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 2,050		
Request for Information		4	8											12	\$ 3,120	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 3,120		
Pay Request		2	8											10	\$ 2,540	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 2,540		
Defective Work		1	2											3	\$ 780	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 780		
Change Orders		2	6											8	\$ 2,050	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 2,050		
Record Drawings														0	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -		
Commissioning														0	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -		
Substantial Completion														0	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -		
Final Walkthrough														0	\$ -	\$ -	\$ 1,980	\$ -	\$ -	\$ -	\$ -	\$ 1,980	\$ 1,980		
Warranty Walkthrough														0	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -		
<b>Task 16 - Project Administration</b>															\$ 12,520	\$ -	\$ 1,452	\$ -	\$ 550	\$ 3,366	\$ -	\$ 5,368	\$ 17,888		
16.1 Invoicing		8				8					6		30	52	\$ 7,760	\$ 1,452	\$ -	\$ 550	\$ 3,366	\$ -	\$ 5,368	\$ 13,128			
16.2 Project Management		8				8					6			22	\$ 4,760	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 4,760		
<b>Task 17 - Other Services</b>															\$ 24,500	\$ -	\$ -	\$ 117,326	\$ -	\$ -	\$ -	\$ 117,326	\$ 141,826		
17.1 Water Quality Testing and Coordination														0	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -		
17.2 TCEQ Exception Request and Interconnect Submittals		10												10	\$ 2,900	\$ -	\$ 43,406	\$ -	\$ -	\$ -	\$ -	\$ 43,406	\$ 46,306		
17.3 Other design tasks as assigned by Alliance Water		30		30		20					20			100	\$ 21,600	\$ -	\$ 73,920	\$ -	\$ -	\$ -	\$ -	\$ 73,920	\$ 95,520		
17.4 AWIA, ERP, and SB3 Reports for ARWA Facilities														0	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -		
<b>Task 18 - Environmental Construction Phase Services</b>														0	\$ -	\$ -	\$ 266,369	\$ -	\$ -	\$ -	\$ -	\$ 266,369	\$ 266,369		
18.1 Pre-Construction Meeting with Contractor														0	\$ -	\$ -	\$ 17,606	\$ -	\$ -	\$ -	\$ -	\$ 17,606	\$ 17,606		
18.2 Migratory Bird Nest Survey														0	\$ -	\$ -	\$ 183,982	\$ -	\$ -	\$ -	\$ -	\$ 183,982	\$ 183,982		
18.3 Cultural Resources														0	\$ -	\$ -	\$ 2,904	\$ -	\$ -	\$ -	\$ -	\$ 2,904	\$ 2,904		
18.4 Encountered Protected Species														0	\$ -	\$ -	\$ 14,710	\$ -	\$ -	\$ -	\$ -	\$ 14,710	\$ 14,710		
18.5 USACE Compliance and Reporting														0	\$ -	\$ -	\$ 26,029	\$ -	\$ -	\$ -	\$ -	\$ 26,029	\$ 26,029		
18.6 Hazardous Material On-Call														0	\$ -	\$ -	\$ 21,140	\$ -	\$ -	\$ -	\$ -	\$ 21,140	\$ 21,140		
<b>Grand Total</b>															\$ 505,285	\$ 10,300	\$ 103,268	\$ 713,376	\$ 5,500	\$ 279,367	\$ 5,231	\$ 1,106,742	\$ 1,622,327		
																	\$ 93,880	\$ 648,524	\$ 5,000	\$ 253,970	\$ 4,755	SUM			
																	% of Total Fee	5.8%	40.0%	0.3%	15.7%	0.3%	62.0%		
																	10% Markup	\$ 103,268	\$ 713,376	\$ 5,500	\$ 279,367	\$ 5,231			

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

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

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

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

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

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

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

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



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

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

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

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

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

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

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

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

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

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

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

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

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

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

**REGULAR MEETING**  
**Alliance Regional Water Authority Board of Directors**

**BOARD MEMBER PACKETS**

Wednesday, February 22, 2023 at 3:00 PM

Pauline Espinosa Community Hall, 170 Charles Austin Drive, San Marcos, TX 78666

- H.8** Consider adoption of Resolution 2023-08-22-005 approving a Groundwater Development Agreement with Jordan and Ashley Beeman. ~ *Graham Moore, P.E., Executive Director*
- 

Background/Information

The Beemans own groundwater rights on 81.665 acres of property in Gonzales County within the Gonzales County Underground Water Conservation District. The Beemans have other property in Caldwell County that is currently under lease to the Authority and therefore they approached the Authority interested in leasing the water rights associated with this property in Gonzales County. Staff provided the standard terms and conditions of the Authority lease to the Beemans, which they accepted.

Attachment

- Resolution 2023-08-22-005

**Board Decision(s) Needed:**

- Adoption of Resolution 2023-02-22-005 approving a Groundwater Development Agreement with Jordan and Ashley Beeman.





**ALLIANCE WATER**

**RESOLUTION NO. 20230222-005**

**A RESOLUTION OF THE ALLIANCE REGIONAL WATER AUTHORITY BOARD OF DIRECTORS APPROVING A GROUNDWATER DEVELOPMENT AGREEMENT WITH JORDAN AND ASHLEY BEEMAN AND RELATED MATTERS, AND DECLARING AN EFFECTIVE DATE**

**RECITALS:**

1. The Alliance Regional Water Authority (“Authority”) has entered into groundwater lease agreements with landowners covering more than 17,000 surface acres of property in Caldwell and Gonzales counties.

2. The Authority has total permitted groundwater rights of 16,320 acre-feet per year split between the Gonzales County Underground Water Conservation District and the Plum Creek Conservation District.

3. Jordan and Ashley Beeman own approximately 81.665 acres of water rights in Gonzales County on the eastern side of the San Marcos River. The Beeman family has other property located in Caldwell County and has a groundwater development agreement in place with the Authority for the water rights associated with the property. Therefore the Beemans approached the Authority and wishes to enter into a groundwater development agreement for these water rights with the Authority.

4. The Authority Board of Directors wish to approve a groundwater development agreement with the Beemans utilizing the standard terms and conditions previously developed by the Authority for other groundwater leasing agreements.

**BE IT RESOLVED BY THE BOARD OF DIRECTORS OF THE ALLIANCE REGIONAL WATER AUTHORITY:**

**PART 1.** The Groundwater Development Agreement between the Authority and Jordan and Ashley Beeman is approved.

**PART 2.** This Resolution shall be in full force and effect immediately upon its passage.

**ADOPTED:** February 22, 2023.

**ATTEST:**

\_\_\_\_\_  
Chris Betz  
Chair, Board of Directors

\_\_\_\_\_  
Amber Schmeits  
Secretary, Board of Directors

**REGULAR MEETING**  
**Alliance Regional Water Authority Board of Directors**

**BOARD MEMBER PACKETS**

Wednesday, February 22, 2023 at 3:00 PM

Pauline Espinosa Community Hall, 170 Charles Austin Drive, San Marcos, TX 78666

- H.9** Consider adoption of Resolution 2023-08-22-006 approving a Groundwater Development Agreement with Beeman Family Limited Land Partnership, A Texas Limited Partnership. ~ *Graham Moore, P.E., Executive Director*
- 

Background/Information

The Beemans own groundwater rights on 2,578.811 acres of property in Gonzales County within the Gonzales County Underground Water Conservation District. The Beemans have other property in Caldwell County that is currently under lease to the Authority and therefore they approached the Authority interested in leasing the water rights associated with this property in Gonzales County. Staff provided the standard terms and conditions of the Authority lease to the Beemans, which they accepted.

Attachment

- Resolution 2023-02-22-006

**Board Decision(s) Needed:**

- Adoption of Resolution 2023-02-22-006 approving a Groundwater Development Agreement with the Beeman Family Limited Land Partnership, A Texas Limited Partnership.



## ALLIANCE WATER

### RESOLUTION NO. 20230222-006

**A RESOLUTION OF THE ALLIANCE REGIONAL WATER AUTHORITY BOARD OF DIRECTORS APPROVING A GROUNDWATER DEVELOPMENT AGREEMENT WITH THE BEEMAN FAMILY LIMITED LAND PARTNERSHIP, A TEXAS LIMITED PARTNERSHIP AND RELATED MATTERS, AND DECLARING AN EFFECTIVE DATE**

**RECITALS:**

1. The Alliance Regional Water Authority ("Authority") has entered into groundwater lease agreements with landowners covering more than 17,000 surface acres of property in Caldwell and Gonzales counties.

2. The Authority has total permitted groundwater rights of 16,320 acre-feet per year split between the Gonzales County Underground Water Conservation District and the Plum Creek Conservation District.

3. The Beeman Family own approximately 2,578.811 acres of water rights in Gonzales County on the eastern side of the San Marcos River. The Beeman family has other property located in Caldwell County and has a groundwater development agreement in place with the Authority for the water rights associated with the property. Therefore the Beemans approached the Authority and wishes to enter into a groundwater development agreement for these water rights with the Authority.

4. The Beeman Family made the Authority aware of a well associated with the property that is permitted with the District. The well may reduce the amount of water rights that are available for leasing by the Authority.

5. The Authority Board of Directors wish to approve a groundwater development agreement with the Beemans utilizing the standard terms and conditions previously developed by the Authority for other groundwater leasing agreements.

**BE IT RESOLVED BY THE BOARD OF DIRECTORS OF THE ALLIANCE REGIONAL WATER AUTHORITY:**

**PART 1.** The Groundwater Development Agreement between the Authority and the Beeman Family Limited Land Partnership, A Texas Limited Partnership is approved, contingent upon resolving the water rights associated with the existing permitted well.

**PART 2.** This Resolution shall be in full force and effect immediately upon its passage.

Resolution 20230222-006  
Beeman Family Limited Land Partnership GWDA

**ADOPTED:** February 22, 2023.

**ATTEST:**

---

Chris Betz  
Chair, Board of Directors

---

Amber Schmeits  
Secretary, Board of Directors

**REGULAR MEETING**  
**Alliance Regional Water Authority Board of Directors**

**BOARD MEMBER PACKETS**

Wednesday, February 22, 2023 at 3:00 PM  
Pauline Espinosa Community Hall, 170 Charles Austin Drive, San Marcos, TX 78666

**H.10** Discussion of legislative issues for the 88<sup>th</sup> Texas Legislature, and possible direction to Staff. ~ *Scott Miller / Jeff Hecker, The Schlueter Group*

---

Background/Information

The House named committee members on February 8<sup>th</sup>. Rep. Tracy King (D-Uvalde) remains Chair of the Natural Resources Committee and of note, Rep. Zwiener (D-Driftwood) was named to the committee for the first time.

On the following pages is a list of bills that have been filed that may be of interest to the Authority as of February 17, 2023. The Authority's initial position on the bill has been provided in the table based on the legislative priorities approved by the Board in December 2022.

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

Attachment(s)

ARWA Bill Tracking as of 2/17/2023

**Board Decision(s) Needed:**

- Possible direction to Staff.

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

<b>ARWA – Bills to Support/Oppose (as of 2/17/2023)</b>				
<u>Bill Number</u>	<u>Sponsor</u>	<u>General Information</u>	<u>Committee</u>	<u>ARWA Position</u>
<b>HB 170</b>	Spiller	<ul style="list-style-type: none"> <li>Restrict public entities, including special purpose districts, from spending public money to pay a lobbyist</li> </ul>		Oppose
<b>HB 622</b>	Shaheen	<ul style="list-style-type: none"> <li>Allows legal postings on website in lieu of newspaper publications</li> </ul>		Support
<b>HB 973</b>	Zwiener	<ul style="list-style-type: none"> <li>Adds grants to harden/weatherize water &amp; wastewater systems from the Critical Infrastructure Res Fund</li> </ul>		Support
<b>HB 1646</b>	King, Tracy	<ul style="list-style-type: none"> <li>Amends EAA legislation to allow water from the aquifer withdrawn within the EAA boundaries to be used within the CCN of the public utility withdrawing the water.</li> </ul>		Support
<b>SB 175</b>	Middleton	<ul style="list-style-type: none"> <li>Prohibits political subdivisions from spending public funds on lobbyists or a lobbying association</li> </ul>		Oppose
<b>SB 296</b>	Perry	<ul style="list-style-type: none"> <li>Requires TCEQ to updates is WAMs for the Guadalupe, Lavaca, Nueces, San Antonio, San Jacinto and Trinity River basins</li> </ul>		Support
<b>SB 469</b>	Springer	<ul style="list-style-type: none"> <li>Redefines “rural political subdivision” for TWDB funding purposes to an a service area with a population of 10,000 or less – no part of which is located in an urban area, including a county with a population of 50,000</li> </ul>		Oppose
<b>SB 837</b> <b>SJR 43</b>	Perry Perry	<ul style="list-style-type: none"> <li>Relating to financial assistance provided and programs administered by the TWDB</li> <li>Companion allocates \$3 billion from Rainy Day Fund for programs</li> </ul>		Support

<b>ARWA – Bills to Related to Open Meetings / Government (as of 2/17/2023)</b>				
<u>Bill Number</u>	<u>Sponsor</u>	<u>General Information</u>	<u>Committee</u>	<u>ARWA Position</u>

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

<b>HB 537</b>	Wu	<ul style="list-style-type: none"> <li>Require governmental entity to post audit on website</li> </ul>		Monitor
<b>HB 712</b> <b>SB 271</b>	Shaheen Johnson	<ul style="list-style-type: none"> <li>Require local governments to notify DIR about a security incident</li> </ul>		Monitor
<b>SB 42</b>	Zaffirini	<ul style="list-style-type: none"> <li>Amends certain open meeting situations – imposes some additional requirements on virtual meetings</li> </ul>		Monitor
<b>SB 680</b>	Johnson	<ul style="list-style-type: none"> <li>Requires disclosure of certain types of contracting info and prohibits a gov't body from declining to release info even if it intends to assert an exception to disclosure</li> </ul>		Monitor

**ARWA – Bills to Monitor (as of 2/17/2023)**

<u>Bill Number</u>	<u>Sponsor</u>	<u>General Information</u>	<u>Committee</u>	<u>ARWA Position</u>
<b>HB 427</b>	VanDeaver	<ul style="list-style-type: none"> <li>Relating to info required to be provided to the public about planned excavations</li> </ul>		Monitor
<b>HB 495</b>	Meza	<ul style="list-style-type: none"> <li>Requires a rest break of 10-minutes every 4 hours for construction workers; requires public entity to administer the requirement</li> </ul>		Monitor
<b>HB 585</b>	Raymond	<ul style="list-style-type: none"> <li>Requires TCEQ to create a plan to protect water treatment facilities from electrical outages; catastrophic weather events; terrorist attacks; projected effects of climate change; other disruptions</li> </ul>		Monitor
<b>HB 588</b> <b>HB 1030</b>	Raymond Shaheen	<ul style="list-style-type: none"> <li>Creates a statewide disaster alert system through the Dept of Emergency Management</li> </ul>		Monitor
<b>HB 778</b> <b>SB 283</b>	Walle Echardt	<ul style="list-style-type: none"> <li>Requires written verification from contractor and subcontractor on construction projects that Workers Comp is provided for all workers</li> </ul>		Monitor

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

<b>HB 1489</b>	Tepper	<ul style="list-style-type: none"> <li>Provides limitations on the CO issuances by local governments on public works projects.</li> </ul>		Monitor
<b>HB 1699</b>	King, Tracy	<ul style="list-style-type: none"> <li>Authorizes Evergreen UCD to impose a fee on exported water not to exceed 150% of the maximum wholesale rate charged by SAWS.</li> </ul>		Monitor
<b>HB 1817</b>	Capriglione	<ul style="list-style-type: none"> <li>Relating to the validity of a contract for which a disclosure of interested parties is required.</li> </ul>		Monitor
<b>HB 1852</b>	Holland	<ul style="list-style-type: none"> <li>Prohibits TCEQ from issuing an order creating a new special district after Sept 1, 2023</li> </ul>		Monitor
<b>HB 1971</b>	Ashby	<ul style="list-style-type: none"> <li>Relating to the procedures for acting on a permit or permit amendment application by a GCD and the disqualification of board members of GCDs</li> </ul>		Monitor
<b>HB 2119</b>	Dorazio	<ul style="list-style-type: none"> <li>Relating to the award of attorney's fees to the prevailing party in certain suits involving a GCD</li> </ul>		Monitor
<b>HB 2265</b> <b>SB 803</b>	Leach Hughes	<ul style="list-style-type: none"> <li>Provides that a construction contract may not prohibit or limit the award of compensatory damages to a contractor for a delay caused solely by the gov't entity</li> </ul>		Monitor
<b>HB 2284</b>	King	<ul style="list-style-type: none"> <li>Provides that a person is entitled to repurchase property acquired through eminent domain if the use of the property is changed from public use</li> </ul>		Monitor
<b>HB 2318</b>	Zwiener	<ul style="list-style-type: none"> <li>Relating to the possession of property to be acquired by eminent domain during pending litigation in a condemnation proceeding</li> </ul>		Monitor
<b>HJR 26</b>	Schofield	<ul style="list-style-type: none"> <li>Amends Constitution to provide the right to repurchase real property acquired through eminent domain</li> </ul>		Monitor
<b>SB 40</b>	Zaffirini	<ul style="list-style-type: none"> <li>Requires TCEQ to develop and implement a boil water notice alert system</li> </ul>		Monitor



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

<b>SB 156</b>	Perry	<ul style="list-style-type: none"> <li>Amends Ch. 36 of Water Code to allow landowners to petition for rulemaking; clarify which DFC is to be used in a management plan; provide notice on certain applications.</li> </ul>		Monitor
<b>SB 223</b>	Campbell	<ul style="list-style-type: none"> <li>Requires a TCEQ public meeting on an application for an initial wastewater treatment permit in the county the facility would be located.</li> </ul>		Monitor
<b>SB 330</b> <b>HB 1412</b>	Hall Schaefer	<ul style="list-style-type: none"> <li>Creates the Texas Grid Security Commission, which includes a rep from water, to evaluate hazards and risks to the electric grid.</li> </ul>		Monitor
<b>SB 638</b>	Springer	<ul style="list-style-type: none"> <li>Amends Ch. 36 in several areas dealing primarily with Directors recusal process; limits board continuances; provides deadlines for permit decisions, etc.</li> </ul>		Monitor
<b>HB 1845</b> <b>SB 650</b>	Metcalf Perry	<ul style="list-style-type: none"> <li>Requires TCEQ to establish a provisional license program for a Class D operator who does not hold a high school diploma but has satisfied certain exams.</li> </ul>		Monitor

**REGULAR MEETING**  
**Alliance Regional Water Authority Board of Directors**

**BOARD MEMBER PACKETS**

Wednesday, February 22, 2023 at 3:00 PM

Pauline Espinosa Community Hall, 170 Charles Austin Drive, San Marcos, TX 78666

- I. BOARD MEMBER ITEMS OR FUTURE AGENDA ITEMS – Possible acknowledgement by Board 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 Board 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 Board of Directors**

**BOARD MEMBER PACKETS**

Wednesday, February 22, 2023 at 3:00 PM

Pauline Espinosa Community Hall, 170 Charles Austin Drive, San Marcos, TX 78666

- J.1** *Executive Session pursuant to the Government Code, Section 551.071 (Consultation with Attorney) and/or Section 551.072 (Real Property Deliberations) regarding:*
- A. Water supply partnership options*
  - B. Groundwater leases*
  - C. Acquisition of real property for water supply project purposes*
  - D. Operation and Maintenance Agreement of Carrizo Regional Water Supply*
-

**REGULAR MEETING**  
**Alliance Regional Water Authority Board of Directors**

**BOARD MEMBER PACKETS**

Wednesday, February 22, 2023 at 3:00 PM

Pauline Espinosa Community Hall, 170 Charles Austin Drive, San Marcos, TX 78666

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

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

**REGULAR MEETING**  
**Alliance Regional Water Authority Board of Directors**

**BOARD MEMBER PACKETS**

Wednesday, February 22, 2023 at 3:00 PM  
Pauline Espinosa Community Hall, 170 Charles Austin Drive, San Marcos, TX 78666

**K. ADJOURNMENT**

---