Alliance Regional Water Authority Technical Committee

**REGULAR MEETING** 



# **COMMITTEE MEMBER PACKETS**

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

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

#### **COMMITTEE MEMBER PACKETS**

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

In accordance with Governor Abbott's Executive Order, declaration of the COVID-19 public health threat, and action to temporarily suspend certain provisions of the Texas Open Meetings Act, a quorum of Alliance Regional Water Authority's (the Authority's) Technical Committee will hold a meeting by telephonic conference call at 3:00 PM, Wednesday, February 10, 2021. The public may participate in this meeting by calling the following number and code:

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

Members of the public wishing to make public comment during the meeting must register by emailing <u>info@alliancewater.org</u> prior to 3:00 p.m. on February 10, 2021. This meeting will be recorded and the audio recording will be available on the Authority's website after the meeting. A copy of the agenda packet will be available on the Authority's website at the time of the meeting. Additional information can be obtained by calling Graham Moore at (512) 294-3214.

- A. CALL TO ORDER
- B. ROLL CALL
- C. PUBLIC COMMENT PERIOD (Note: Each person wishing to speak must submit a completed Public Comment Form to the Executive Director or his/her designee before the public comment period begins.)
- D. CONSENT AGENDA
  - D.1 Consider approval of minutes of the Special Technical Committee Meeting held January 13, 2021. ~ *Graham Moore, P.E., Executive Director*
- E. PRESENTATIONS TO THE COMMITTEE
  - E.1 None.
- F. ITEMS FOR COMMITTEE ACTION OR DISCUSSION/DIRECTION
  - F.1 Update and possible direction to Staff regarding the Authority's Phase 1A projects. ~ *Jason Biemer, Director of Operations*
  - F.2 Update and possible direction to Staff regarding the Authority's Phase 1B program. ~ *Ryan Sowa, P.E., Kimley-Horn & Associates*

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- F.3 Update, discussion and possible direction to Staff regarding the Authority's Phase 1B Program Schedule. ~ *Ryan Sowa, P.E., Kimley-Horn & Associates*
- F.4 Update, discussion and possible direction to Staff regarding the initial raw water quality data obtained from the Phase 1B Well Drilling project. ~ *Marisa Vergara, P.E. CP&Y*
- F.5 Discussion and possible recommendation to the Board to approve a work order with Kimley-Horn & Associates, Inc. for Owner's Representative Services for March 2021 through February 2022 for the Authority's Phase 1B Program. ~ *Graham Moore, P.E., Executive Director*
- F.6 Discussion of legislative issues for the 87th Texas Legislature, and possible direction to Staff. ~ *Graham Moore, P.E., Executive Director*
- F.7 Update on status of groundwater management in project target area, and Gonzales County Underground Water Conservation District, Plum Creek Conservation District, Groundwater Management Area 13, Region L Planning Group, Guadalupe-Blanco River Authority, Hays County and CAPCOG activities. ~ *Graham Moore, P.E., Executive Director*
- G. EXECUTIVE DIRECTOR REPORT Update on future meeting dates, locations, consultant invoices paid, approved changed orders, status of Authority procurements, Executive Director activities and other operational activities where no action is required. ~ *Graham Moore, P.E., Executive Director*
- H. COMMITTEE MEMBER ITEMS OR FUTURE AGENDA ITEMS Possible acknowledgement by Committee Members of future area events and/or requests for item(s) to be placed on a future agenda where no action is required.
- I. EXECUTIVE SESSION
  - 1.1 Executive Session pursuant to the Government Code, Section 551.071 (Consultation with Attorney) and/or Section 551.072 (Real Property Deliberations) regarding:
    - A. Water supply partnership options
    - B. Groundwater leases
    - C. Acquisition of real property for water supply project purposes
  - I.2 Action from Executive Session on the following matters:
    - A. Water supply partnership options

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- B. Groundwater leases
- C. Acquisition of real property for water supply project purposes
- D. Possible approval of the cemetery investigation approved by the Board by Resolution 2021-01-27-004 pending approval by the Technical Committee.
- J. ADJOURNMENT
- **NOTE:** The Technical Committee may meet in Executive Session to consider any item listed on this agenda if a matter is raised that is appropriate for Executive Session discussion. An announcement will be made of the basis for the Executive Session discussion. The Technical Committee may also publicly discuss any item listed on the agenda for Executive Session.

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A. CALL TO ORDER

No Backup Information for this Item.

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### B. ROLL CALL

NAME	PRESENT
Blake Neffendorf	
James Earp	
Tom Taggart	
Humberto Ramos	
Tim Samford	
Mike Taylor	
NON-VOTING MEMBERS	PRESENT
Mayor Lee Urbanovsky	

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#### C. PUBLIC COMMENT PERIOD

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

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

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D. CONSENT AGENDA

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

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**D.1** Consider approval of minutes of the Technical Committee Meeting held January 13, 2021. ~ *Graham Moore, P.E., Executive Director* 

#### Attachment(s)

• 2021 01 10 Technical Committee Meeting Minutes

#### **Technical Committee decision needed:**

• Approval of minutes.

Meeting Minutes January 13, 2021



Alliance Regional Water Authority

**TECHNICAL COMMITTEE MEETING** 

#### MINUTES

#### Wednesday, January 13, 2021

The following represents the actions taken by the Technical Committee of the Alliance Regional Water Authority (Alliance Water) in the order they occurred during the meeting. The Technical Committee convened in a meeting on Wednesday, January 13, 2021 by telephonic conference call in accordance with Governor Abbott's Executive Order, declaration of the COVID-19 public health threat, and action to temporarily suspend certain provisions of the Texas Open Meetings Act.

- A. CALL TO ORDER.
   The Alliance Water Technical Committee Meeting was called to order at 3:01 p.m. by Mr. Taggart.
- B. ROLL CALL.
  - Present: Neffendorf, Taggart, Ramos, Samford, Taylor with Earp joining in Item F.1.
  - Non-Voting Members Present: Urbanovsky
  - Absent: None.
- C. PUBLIC COMMENT PERIOD
  - None.
- D. CONSENT AGENDA
  - D.1 Consider approval of minutes of the Technical Committee Meeting held December 9, 2020.
    - Motion to adopt the consent agenda as presented was made by Mr. Taylor, seconded by Mr. Neffendorf and approved on a 5-0 vote.

### E. PRESENTATIONS TO THE COMMITTEE

- E.1 None.
- F. ITEMS FOR COMMITTEE ACTION OR DISCUSSION/DIRECTION
  - F.1 Update and possible direction to Staff regarding the Authority's Phase 1A projects.
    - Mr. Biemer provided an update on the projects.
    - Mr. Taggart asked if the generators can be tested at full load.
    - Mr. Biemer stated that they can be tested at full load.
    - Mr. Ramos asked what the schedule is for the ribbon cutting.
    - Mr. Moore stated that the video is in production and is targeting the ceremony for the February Board meeting.
    - No Action.
  - F.2 Update and possible direction to Staff regarding the Authority's Phase 1B program.
    - Mr. Taggart asked what the yield results are for the first two test wells.
    - Mr. Moore stated that he would gather that information and distribute it to the Committee.
    - Mr. Neffendorf asked if there are well efficiency standards.
    - Mr. Moore stated that yes there are and that he will pass along further details to the Committee along with the yield results.
    - Mr. Taggart requested that a date be added to the budget update slide to indicate the date of the "Original Total Projected Cost".
    - No Action.
  - F.3 Discussion of legislative issues for the 87th Texas Legislature, and possible direction to Staff.
    - No Action.
  - F.4 Update on status of groundwater management in project target area, and Gonzales County Underground Water Conservation District, Plum Creek Conservation District, Groundwater Management Area 13, Region L Planning Group, Guadalupe-Blanco River Authority, Hays County and CAPCOG activities.
    - No Action.

### G. EXECUTIVE DIRECTOR REPORT

• No Action.

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

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

#### I. EXECUTIVE SESSION

#### I.1 Executive Session on the following matters:

- A. Water supply partnership options
- B. Groundwater leases
- C. Acquisition of real property for water supply project purposes
- No Executive Session.
- I.2 Action from Executive Session on the following matters:
  - A. Water supply partnership options
  - B. Groundwater leases
  - C. Acquisition of real property for water supply project purposes
  - No Action.
- J. ADJOURNMENT
  - Meeting was adjourned at 3:47 p.m. based on a motion by Mr. Taylor, seconded by Mr. Taggart and approved on a 6-0 vote.

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

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

#### **Background/Information**

Below are brief updates on the Phase 1A projects.

Segment B Pipeline:

 Gathering final documents for submission to TWDB and approval of closeout.

#### Pump Station:

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

#### **Technical Committee Decisions Needed:**

• None.

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

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

Attachment(s)

- Phase 1B Program Update February 10, 2021
- Kimley-Horn Monthly Summary of Activities for January 2021

#### **Technical Committee Decisions Needed:**

• None.



# Phase 1B Program Update

Technical Committee Meeting February 10, 2021

**Kimley**»Horn

## **Ongoing Progress**

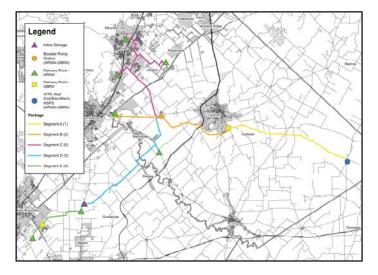
#### **Design Milestone Review**

• February

**ALLIANCE WATER** 

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

ALLIANCE WATER



## **Ongoing Progress**

### Texas Water Development Board Update

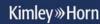
- Submittals Under Review
  - Segment A
    - Engineering Feasibility Report
    - Environmental Data Report
  - Water Treatment Plant
    - Final Design Submittal
- Release of Funds
  - None Submitted Currently
  - Upcoming ROF Request in next 1-2 Months for Procurement, Land Acquisition, and Others



# Pipeline Easement Acquisition Status

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





# Well Drilling Construction Progress

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





# Well Field Construction Update

Photo Credit: Jim Tolles





ALLIANCE WATER



Well No. 6 Casing

# Well Field Construction Update

Photo Credit: Jim Tolles





Well No. 6 Float Valve

Kimley»Horn

Well No. 9

Sand Guarantee Test

# Budget Update



ORIGINAL (FEB. 2019) REVISED					
	Construction Package	ARWA Total Projected Cost	ARWA Total Projected Cost	DIFFERENCE	
Submittal (%)	Combined Program Infrastructure				
100	Water Treatment Plant	\$ 24,500,000	\$ 26,300,000	\$ 1,800,000	
90	SCADA Fiber Backbone	\$ 900,000	\$ 400,000	(\$ 500,000)	
100	Booster Pump Station & GBRA Meter Stations	\$ 15,300,000	\$ 12,600,000	(\$ 2,700,000)	
30	Inline EST (South)	\$ 3,600,000	\$ 3,600,000	\$ 0	
100	Pipeline Segment A	\$ 28,600,000	\$ 25,600,000	(\$ 3,000,000)	
100	Pipeline Segment B	\$ 29,400,000	\$ 32,500,000	\$ 3,100,000	
90	Pipeline Segment D	\$ 36,300,000	\$ 36,700,000	\$ 400,000	
60	Pipeline Segment E	\$ 9,500,000	\$ 9,200,000	(\$ 300,000)	
	Subtotal	\$148,100,000	\$146,900,000	(\$ 1,200,000)	
	ARWA-Only Infrastructure				
Const.	Wellfield	\$ 3,800,000	\$ 3,100,000	(\$ 700,000)	
90	Water Treatment Plant	\$ 2,600,000	\$ 2,600,000	\$ 0	
90	ARWA Delivery Points	\$ 6,100,000	\$ 5,500,000	(\$ 600,000)	
30	Inline EST (North)	\$ 5,400,000	\$ 6,600,000	\$ 1,200,000	
90	Raw Water Infrastructure	\$ 7,400,000	\$ 10,200,000	\$ 2,800,000	
No Design	Administration and Operations Building	\$ 4,300,000	\$ 4,200,000	(\$ 100,000)	
60	Pipeline Segment C	\$ 64,500,000	\$ 62,600,000	(\$ 1,900,000)	
60	Pipeline Segment E	\$ 6,700,000	\$ 10,100,000	\$ 3,400,000	
	Subtotal	\$100,800,000	\$104,900,000	\$ 4,100,000	
	Total	\$248,900,000	\$251,800,000	\$2,900,000	
	Contingencies	\$65,900,000	\$42,500,000	(\$23,400,000)	
	Total with Contingencies	\$314,800,000	\$294,300,000	(\$20,500,000)	
EBRUARY 2	021 UPDATE		CHANGE FROM JANUARY UPDATE =	\$3,100,000 TOTAL	

# Questions?



February 5, 2021

### **Project Monthly Summary**

#### January 2021 Tasks Performed:

- Task 2 Stakeholder Coordination
  - Coordination and/or meetings with entities including: Caldwell County, Guadalupe County, Bluebonnet Electric Coop, TxDOT, TCEQ, and TWDB.
  - Continued weekly task coordination with Alliance Water.
  - Prepared and presented the Technical Committee Update.
  - Prepared and presented Board Meeting Update.
  - Prepared and presented Project Advisory Committee Meeting Update.
  - Prepared for and held Monthly Status Meeting with Alliance Water.
- Task 3 Budgeting
  - Prepared a monthly Budget Update for the Technical Committee, Board, and Project Advisory Committee.
  - Continued updates to Budget Workbook to include monthly tracking of actual costs for ARWA review.
- Task 4 Schedule
  - Revised Project Deliverable Schedule based on the feedback received from ARWA and Design Consultants.
  - Coordinated with Program team to integrate each project schedule into overall Program schedule. Developed the monthly Program schedule summary.
- Task 6 Data Management
  - Ongoing maintenance of Microsoft SharePoint Online program.
  - Continued updating of web-based GIS for right-of-entry process and alignment changes.
- Task 7 Environmental Management
  - Provided ARWA a summary of the comments received from the THC's review of the Segment A Hazmat Phase II reports.
  - Coordinated the Segment B Hazmat Phase II report prepared by the Environmental Consultant submission to the agencies for review.
  - Reviewed of the Segment D Hazmat Phase II report prepared by the Environmental Consultant.
  - Continued coordination with Program Environmental Consultant concerning the comment responses to the United States Army Corps of Engineers.
  - Coordinated with the Program Environmental Consultant regarding Inline Elevated Storage Tank site field work.

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

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

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

#### February 2021 Projection:

• Task 2 – Stakeholder Coordination

- Coordination and/or meetings with entities including: Caldwell County, Guadalupe County, GVEC, Bluebonnet Electric Coop, TxDOT, TCEQ, and TWDB.
- Continue weekly task coordination with Alliance Water.
- Prepare the Technical Committee Update.
- o Prepare and present Project Advisory Committee Meeting Update.
- Prepare and present Board Meeting Update.
- Prepare for and hold Monthly Status Meeting with Alliance Water.
- Task 3 Budgeting
  - Provide a monthly budget update for the Technical Committee, Board, and Project Advisory Committee.
  - Continue updates to Budget Workbook to include monthly tracking of actual costs for ARWA review.
  - Continue development of projected Operation and Maintenance costs and address feedback received from ARWA.
- Task 4 Schedule
  - Provide a schedule quarterly update presentation to the Technical Committee, Board, and Project Advisory Committee.
  - Revise the Project Deliverable Schedule based on the feedback received from ARWA and Design Consultants.
  - Coordinate with Program team to integrate each project schedule into overall Program schedule.
- Task 6 Data Management
  - Ongoing maintenance of Microsoft SharePoint Online program.
  - Continued updating of web-based GIS for right-of-entry process and alignment changes.
- Task 7 Environmental Management
  - Finalize review of the Segment D Hazmat Phase II report prepared by the Environmental Consultant.
  - Continue coordination with Program Environmental Consultant concerning the comment responses to the United States Army Corps of Engineers.
  - Coordinate with the Program Environmental Consultant regarding Inline Elevated Storage Tank site field work.
  - Continued coordination with the Program Environmental Consultant regarding additional hazmat studies for Segment C and E.
  - Perform coordination between Program Environmental Consultant and Land Acquisition Consultant to clarify environmental field work to be done on properties as part of right-of-entry process.
  - Monthly progress meeting and ongoing coordination with Program Environmental Consultant.

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

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- Review the Segment D 100% design submittal prepared by the Design Consultant.
- Attend the Segment D 100% Design Workshop.
- Continue coordination with Design Consultant for final design.
- Segment E
  - Continue coordination with Design Consultant for final design.
- Wellfield:
  - Continue coordination regarding the construction of Wells 6-9.
- Raw Water Infrastructure:
  - Continue coordination with Design Consultant regarding for final design.
- Water Treatment Plant:
  - Review of the additional 100% design submittal prepared by the Design Consultant.
  - Continue coordination with Design Consultant concerning Hydraulics/Surge development.
  - Continue coordination with Design Consultant for final design.
  - Finalize and submit the Final 100% Engineering Documents for advertisement approval to the TWDB.
- Booster Pump Station:
  - Coordination with Design Consultant for final design.
- Inline Elevated Storage Tanks:
  - Finalize review of the 30% EFR prepared by the design consultant.
  - Coordination with Design Consultant for 60% design development.
- Other:
  - Monthly progress meetings with all Design Consultants (pipelines, water treatment plant, raw water infrastructure, wellfield).
  - Review invoices, schedules, and risk logs for consultants
- Task 13 Electrical Power Planning
  - Continue coordination with ARWA and GVEC to develop agreement language for service to the well field.
  - Continue coordination with GVEC regarding electric service to the WTP and wellfield.
- Task 14 Permit Coordination/Tracking
  - Continue Permit coordination with Pipeline consultants
  - Coordinate with Hays County concerning the Site Development Permit.
  - General Coordination with TxDOT.
  - Coordinate with Caldwell, Guadalupe, and Hays County TxDOT offices concerning roadway crossings.
  - General Coordination with GVEC and BBEC.
  - Permit Tracking Log Updates.

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

#### **Scope Elements Added/Removed:**

None at this time.

#### **Outstanding Issues/Concerns:**

None at this time.

#### **COMMITTEE MEMBER PACKETS**

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

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

#### Background/Information

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

Next Step(s)

• Phase 1B Program Schedule Update February 10, 2021

#### **Technical Committee Decision Needed:**

• Possible direction to Staff.



Phase 1B Program Schedule Update Technical Committee Meeting February 10, 2021

Kimley»Horn

## Schedule Update

**ALLIANCE WATER** 

**Developments Since Last Update** 

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







## Schedule Update

#### Transmission Pipelines – Segment A

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

#### Transmission Pipelines – Segment B

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

# ALLIANCE WATER

#### Transmission Pipelines – Segment C

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

#### Transmission Pipelines – Segment D

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

**Kimley**»Horn

## Schedule Update

#### Transmission Pipelines - Segment E

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

#### Water Treatment Plant & Raw Water Infrastructure

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

# ALLIANCE WATER

#### **Booster Pump Station & Delivery Points**

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

#### Well Drilling Construction

• Contractor on Schedule

#### Inline Elevated Storage Tanks

No Change Overall

# Schedule Update

**Pipeline Easement Acquisition** 

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



**Kimley**»Horn

# Schedule Update

### Pipeline Easement Acquisition – Initial Offer Status

Pipeline Segment	Initial Offers Remaining (Overall)	Initial Offers Remaining (Combined Program)	Projected Delivery of Last Initial Offer Letter
А	0	0	January 2021 (complete)
В	6	6	February 2021
С	84	0	June 2021
D	3	3	March 2021
E	15	4	April 2021
W	20	0	August 2021
TOTAL	108	13	



## Schedule Update

### Pipeline Easement Acquisition – Path Forward

• TWDB Approval to Extend into Procurement Phase

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



**Kimley**»Horn

Schedule Update

Pipeline Easement Acquisition – Path Forward

- Key Risks
  - Land Sales
  - Scheduling of Commissioners Hearings



# Questions?



#### **COMMITTEE MEMBER PACKETS**

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

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

#### **Background/Information**

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

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

• Possible direction to Staff.

#### **COMMITTEE MEMBER PACKETS**

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

F.5 Discussion and possible recommendation to the Board to approve a work order with Kimley-Horn & Associates, Inc. for Owner's Representative Services for March 2021 through February 2022 for the Authority's Phase 1B Program. ~ *Graham Moore, P.E., Executive Director* 

#### **Background/Information**

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

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

Work Order / Period	Contract Value	Total Expenditure
#1 (3/18 – 2/19)	\$2,609,966	\$1,984,280
#2 (3/19 – 2/20)	\$2,877,103	\$2,815,225
#3 (3/20 – 2/21)	\$3,110,422	\$3,050,000*
* □ ' ' '		

\* Projected

The Executive Director negotiated a new work order with Kimley-Horn to begin on March 1, 2021 and extend through February 28, 2022. Below is a summary of the scope of work.

#### Scope of Work

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

Task	Anticipated Fee
1 – Program Management Plan Updates	\$32,262
2 – Stakeholder Coordination	\$279,683
3 - Budgeting	\$110,861
4 - Schedule	\$81,192
5 – Reporting	\$47,110
6 – Data Management	\$91,576
7 – Environmental Management	\$84,390
8 – Land Acquisition Management	\$509,587
9 – TWDB Management	\$83,558

### REGULAR MEETING Alliance Regional Water Authority Technical Committee

### **COMMITTEE MEMBER PACKETS**

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

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

### Fee Schedule

The work is proposed to be contracted on an hourly rate basis. Kimley-Horn's subconsultants account for 59.9% of the total anticipated effort, with 59.1% of the total effort contracted to Historically Underutilized Businesses. The costs include a 10% markup by Kimley-Horn on all subconsultants work.

### <u>Contract</u>

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

### Attachment(s)

 Proposal dated February 8, 2021 from Kimley-Horn for Phase 1B – Owner's Representative Services

### Recommendation(s)

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

### **Technical Committee Decision Needed:**

 Possible recommendation to the Board to approve a work order with Kimley-Horn & Associates, Inc. for Owner's Representative Services for March 2021 through February 2022 for the Authority's Phase 1B Program.

February 8, 2021

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

RE: Scope of Services – Work Order No. 5 Phase 1B Infrastructure – Owner's Representative

### **PROJECT DEFINITION AND BACKGROUND**

The Alliance Regional Water Authority (Alliance Water) has developed a Capital Improvements Plan (CIP) per Resolution 20160525-008 that identifies anticipated infrastructure requirements over the several decades. This CIP is divided into multiple project delivery phases. Phase 1A is scheduled to be completed in 2018. Phase 1B consists of infrastructure to be delivered by the end of 2023 and includes groundwater wells, water treatment plant, transmission mains, booster pump station, and eight (8) delivery points. Alliance Water and Guadalupe Blanco River Authority (GBRA) have entered into an agreement to oversize a portion of the proposed Phase 1B infrastructure to accommodate delivery of water to both Alliance Water as well as GBRA customers (three additional delivery points). The infrastructure to be oversized includes: water treatment plant, a significant portion of the transmission mains, and booster pump station.

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

The Scope of Services for this agreement consists of Kimley-Horn and Associates, Inc. ("Kimley-Horn" or "Owner's Representative") serving Alliance Water as an Owner's Representative by assisting in the management of the overall project delivery of Phase 1B Program through the completion and startup of the infrastructure in 2023. In performing the services, the Owner's Representative will operate as an extension of, and in complete coordination with, Alliance Water's staff. While maintaining a high level of coordination with Alliance Water, the Owner's Representative will be the representative and not the agent of Alliance Water. The Owner's Representative will exercise independent judgment and will operate without extensive oversight and direction. The Owner's Representative will commit the personnel and resources required to fully and effectively perform the services throughout the term of this Agreement.

Work Order No. 5 will extend for a duration of 12 months. Attachment A identifies the key phases that each infrastructure contract is anticipated to complete within this 12-month period.

### KEY TERMINOLOGY

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

### SCOPE OF WORK

1. Program Management Plan Updates

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

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

#### Task Meetings:

None

2. Stakeholder Coordination

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

- 2.1. Stakeholder identification
- 2.2. Initial and/or Ongoing Coordination
  - 2.2.1. Executive Director
  - 2.2.2. Technical Committee and Board Meetings attend and present status updates
  - 2.2.3. Project Advisory Committee (PAC) Meetings attend and present status updates
  - 2.2.4. Other Alliance Water Consulting Services (Public Relations, Accounting, Legal)
  - 2.2.5. Texas Commission on Environmental Quality (TCEQ)
  - 2.2.6. Texas Department of Transportation (TxDOT)
  - 2.2.7. Union Pacific Railroad (UPRR)
  - 2.2.8. Counties (Hays, Caldwell, Guadalupe)
  - 2.2.9. Cities (Kyle, San Marcos, Uhland, Lockhart, Maxwell, others)
  - 2.2.10. GBRA and/or its consultants
  - 2.2.11. Other utilities, entities

#### Task Meetings:

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

#### 3. Budgeting

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

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

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

#### Task Meetings:

None.

#### 4. Schedule

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

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

#### Task Meetings:

None.

#### 5. Reporting

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

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

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

#### Task Meetings:

None.

#### 6. Data Management

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

- 6.1. Overall data management:
  - 6.1.1. Perform administrative support functions for overall project record keeping and implementing the data management system;
  - 6.1.2. Enter information into applicable data management system;
  - 6.1.3. Distribute updated contract documents ensuring program team maintain current version of project documents;
  - 6.1.4. Prepare, manage, record, distribute and archive documentation of project activities, progress, and related communications;
  - 6.1.5. Log receipt of documents and inquiries requiring a response, ensure delivery of documents to appropriate parties, track documents, and monitor timely response;
  - 6.1.6. Review supporting documents for conformance with PMP guidelines;
  - 6.1.7. Maintain project records;
  - 6.1.8. Maintain change management logs, RFI logs, RFPs logs, submittal logs;
  - 6.1.9. Perform internal audits for quality assurance of overall documents.
- 6.2. Microsoft SharePoint:

6.2.1. Perform ongoing data management of documents within SharePoint,

- 6.3. Interactive Web-based GIS:
  - 6.3.1. Perform data updates for the following data to be hosted in ArcGIS application, assumed to occur at the frequencies identified:
    - Background Imagery (provided by Esri basemapping) annually;
    - Parcel data (right-of-entry and land acquisition status) weekly;

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

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

#### Task Meetings:

None.

#### **Deliverables:**

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

#### 7. Environmental Management

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

- 7.1. Perform regular coordination with Environmental Consultant to discuss ongoing activities, schedule, potential issues, deliverables, and other items related to their scope of work.
- 7.2. In conjunction with the Environmental Consultant, perform ongoing coordination with key agencies, including:
  - 7.2.1. United States Army Corps of Engineers (USACE)
  - 7.2.2. Texas Parks and Wildlife Department (TPWD)
  - 7.2.3. Local floodplain administrators.
- 7.3. Assist with the review of Environmental Consultant monthly invoices.
- 7.4. Perform continuous tracking of Environmental Consultant's project scope and assist with the development and review of potential amendments.
- 7.5. Perform as-needed site visits with Environmental Consultant during their field studies.
- 7.6. To the extent reasonably possible, site visits will be coordinated with those identified in Task 8 and 11.

- 7.7. Review and comment on environmental permitting documents (prepared by Environmental Consultant) for the following agencies:
  - 7.7.1. USACE
  - 7.7.2. TPWD
  - 7.7.3. United States Fish and Wildlife Service (USFWS)
  - 7.7.4. Texas Historical Commission (THC).
- 7.8. Review and comment on TWDB environmental deliverables prepared by Environmental Consultant.
- 7.9. Other Environmental Services as identified and assigned by Alliance Water.

### Task Meetings:

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

#### 8. Land Acquisition Management

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

- 8.1. Perform regular coordination with Land Acquisition Consultant Team (including weekly progress meetings) to discuss ongoing activities, schedule, potential issues, deliverables, and other items related to their scope of work.
- 8.2. Assist with the review of Land Acquisition Consultant Team monthly invoices.
- 8.3. Perform continuous tracking of Land Acquisition Consultant's project scope and assist with the development and review of potential amendments.
- 8.4. Review land acquisition data for conformance to the PMP/RAMP requirements and provide comments to the Land Acquisition Consultant Team.
- 8.5. Perform as-needed site visits with Land Acquisition Consultant Team.
- 8.6. To the extent reasonably possible, site visits will be coordinated with those identified in Task 7 and 11.
- 8.7. Review and comment on TWDB land acquisition deliverables prepared by Land Acquisition Consultant Team.
- 8.8. Coordination with landowners to facilitate access for Consultants for field work,
- 8.9. Assist in the resolution of title issues (such as recent landowner transactions) by contacting/visiting County appraisal districts and other offices as needed to obtain relevant deeds, plats, and similar documents.
- 8.10. Weekly meetings with Alliance Water and Special Counsel as well as biweekly meetings with the Program Surveyor.
- 8.11. Other Land Acquisition Services as identified and assigned by Alliance Water.

#### Task Meetings:

Land Acquisition Team progress meetings

#### 9. Texas Water Development Board Management

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

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

#### Task Meetings:

TWDB progress meetings

#### 10. Design Standards Updates

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

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

#### Task Meetings:

Specifications and Details Review Meeting (1 total).

#### 11. Engineering Design Management

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

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

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

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

- Identify early actions required.
- Assist with the development and review of project scope (new contracts and/or contract amendments) for the Design Consultants.
- Assist with the review of proposed LOE developed by the Design Consultants.
- Review and provide comments on the Project Management Plans prepared by the Design Consultants.
- Assist with the review of Design Consultant monthly invoices.
- Perform regular coordination with the Design Consultants to discuss ongoing activities, schedule, potential issues, deliverables, and other items related to their scope of work.
- Perform as-needed site visits with Design Consultants.
- To the extent reasonably possible, site visits will be coordinated with those identified in Task 7 and 8.
- Review and comment on TWDB Engineering Feasibility Report (EFR) deliverables prepared by Design Consultants.
- Review and comment on milestone submittals (60%, 90%, final) prepared by Design Consultants.
- Review/Provide comments on Consultant OPCCs at milestones.
- Other Design-related services as assigned by Alliance Water.
- 11.9. Commissioning Planning This task includes evaluating potential options for start-up and commissioning of the Phase 1B infrastructure, including coordination with Alliance Water members (sponsors) and other water utilities in the vicinity of the Phase 1B infrastructure.

#### Task Meetings:

Consultant Design Teams progress meetings

#### 12. Quality Assurance

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

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

#### Task Meetings:

None.

#### 13. Electrical Power Planning

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

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

The following tasks shall be performed:

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

#### Task Meetings:

• Alliance Water and Electrical Service Providers coordination meetings

#### 14. Permit Coordination/Tracking

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

- 14.1. Perform regular coordination with the Consultants to discuss ongoing activities, schedule, potential issues, and other items related to permitting.
- 14.2. Incorporate permit updates from Consultants into master permit tracking list. The master permit tracking list will maintain linkage to the master schedule.
- 14.3. The following list identifies the anticipated entities that will require approvals and/or permits in the performance of the Phase 1B Program. The Consultant will provide design documents and exhibits required as part of the permit submittal.
  - 14.3.1. TCEQ
  - 14.3.2. TxDOT
  - 14.3.3. UPRR
  - 14.3.4. Counties (Hays, Caldwell, Guadalupe)
  - 14.3.5. Cities (Kyle, San Marcos, Uhland, Lockhart, Maxwell, others)
  - 14.3.6. Private utilities

#### Task Meetings:

As already defined in Task 2 – Stakeholder Coordination.

#### **15. Procurement and Construction Phase Services**

Perform Procurement and Construction Phase Services associated with the Phase 1B Program in accordance with the PMP. The following tasks are anticipated:

#### 15.1. Procurement Services

- 15.1.1. Pre-Proposal Meeting
  - 15.1.1.1. Prepare agenda and lead meeting
  - 15.1.1.2. Collect questions and provide to Design Consultant for review and response
- 15.1.2. Addenda Review
  - 15.1.2.1. Review administratively
- 15.1.3. Proposal Evaluation and Recommendation
  - 15.1.3.1. Review and participate in scoring proposals submitted for construction packages and provide formal recommendation to Owner
- 15.1.4. Committee and Board Items
  - 15.1.4.1. Present Proposal Summary and formal recommendation to PAC and Board as well as the Technical Committee, if time permits
- 15.1.5. Execution of Contract
  - 15.1.5.1. Coordinate construction contract execution
- 15.2. Construction Phase Services
  - 15.2.1. Administration
    - 15.2.1.1. Prepare and present at workshop on administrative construction procedures
    - 15.2.1.2. Review and comment on Construction Administrative Data Management Plan (prepared by the CM&I)
    - 15.2.1.3. Coordination with design consultant, CM&I and Alliance Water for general management tasks
  - 15.2.2. Preconstruction Meetings
    - 15.2.2.1. Attend
  - 15.2.3. Monthly Construction Meetings
    - 15.2.3.1. One (1) member of the Owner's Representative team will attend monthly construction meetings for all projects, scheduled on the same 1 to 2-day span each month.
  - 15.2.4. Construction Activities Review and comment on applicable items, and attend meetings as needed:
    - 15.2.4.1. Submittals (review of Program-wide elements only)
    - 15.2.4.2. Substitutions (Consultant provides recommendation, Owner's Representative reviews and advises Owner)
    - 15.2.4.3. Request for Information (only if RFI has contractual implications)
    - 15.2.4.4. Pay Request (review for administrative completeness only)
    - 15.2.4.5. Defective Work (Consultant provides recommendation, Owner's Representative reviews and advises Owner)
    - 15.2.4.6. Change Orders (Consultant provides recommendation, Owner's Representative reviews and advises Owner)
    - 15.2.4.7. Record Drawings (review for administrative completeness only)
    - 15.2.4.8. Commissioning (attend and coordinate ARWA sponsors as needed)

15.2.4.9. Substantial Completion15.2.4.10. Final Walkthrough15.2.4.11. Warranty Walkthrough

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

#### Task Meetings:

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

#### 16. Project Administration

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

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

#### Task Meetings:

None.

#### 17. Other Services

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

- 17.1. Water Quality Testing and Coordination This task consists of sampling and testing of the raw water source and customer treated water sources. This task will include testing protocols, on-site testing, lab coordination and review, summary reporting and coordination with the Water Treatment Plant Design Consultant. Sampling will occur at the raw water wells for Alliance Water and GBRA for evaluating chlorine decay, trihalomethane (THM) formation, and/or other constituents. Treated water quality sampling will be near the locations of the Alliance Water delivery points and will be performed for water blending analyses. Water quality sampling and testing will be approved in advance by Alliance Water based on the outcomes of water quality workshops and related coordination. Lab and equipment fees will be paid separately by Alliance Water.
- 17.2. TCEQ Exception Request and Interconnect Submittals This task includes compilation and preparation of the exception requests for the transmission pipelines associated with: minimum pressures, sampling frequency and creek crossings. This task will include

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

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

#### Task Meetings:

None

#### **18. Environmental Construction Phase Services**

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

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

site visit, consult with federal and state agencies as needed or required, and develop avoidance and/or mitigation measures including relocation of the species if necessary.

- 18.5. USACE Compliance and Reporting This task includes tasks associated with USACE approval. This includes updated photos of water crossings pre-construction, ensuring easement boundaries are clearly marked within jurisdictional areas, photos of post-construction once vegetation is reestablished, and report preparation. The report would include confirmation that the work was performed in accordance with USACE requirements, a summary of the work that was performed, a comparison of pre-construction and post-construction conditions of jurisdictional areas, a description of all impacts to waters of the U.S., documentation that disturbed areas have been revegetated, and any associated exhibits necessary.
- 18.6. Hazardous Materials On-Call This task consists of providing on-call hazardous material investigations as needed during the construction phase of the project. The following activities are anticipated to be conducted:
  - 18.6.1. Upon notification of discovery of potentially hazardous materials during construction, Owner's Representative will mobilize to the location to evaluate and document site conditions and, if warranted, collect samples for environmental laboratory analyses. Consultant will determine the appropriate laboratory analyses for the material encountered and will submit the samples on a requested turnaround time agreeable to the Client. Standard analyses (in accordance with the Resource Conservation Recovery Act) appropriate for evaluation of construction worker safety and waste characterization will be selected. Excavation, transport, and disposal of material is not included in this scope of work.
  - 18.6.2. Owner's Representative will provide the analytical results and recommendations within 2 business days of receiving final analytical reports from the laboratory and provide this information to Alliance Water and the construction contractor. The contractor will be responsible for developing a contractor safety plan.
  - 18.6.3. For each on-call incident, a brief written summary will be provided via email communication to document activities associated site evaluation, analytical testing, and waste management.

#### Assumptions:

- Each site visit would consist of a 12-hour day for two staff members.
- For migratory bird surveys, it is anticipated that the following number of days would be needed per facility/segment:
  - Two (2) days would be required for WTP survey.
  - One (1) day would be required for BPS survey.
  - Ten (10) days for Segment A.
  - Ten (10) days for Segment B.
  - Segments D and E would not require nest surveys since the construction would start outside of nesting season.
- Updated photos of jurisdictional areas will be taken during nest survey work, for the purposes
  of estimating fee. If nest surveys are not required at the beginning of construction for a
  segment, such as Segment D, two days would be required per segment to take photos for
  jurisdictional crossings. This excludes Segment E as there are no impacts to jurisdictional
  waters for the segment.
- For cultural resources, two site visits by two staff members are anticipated to be required.

- For threatened/endangered species or habitats, one site visit for the water treatment plant and booster pump station by two staff members and one visit by two staff members for the pipelines are assumed. A report will be prepared and submitted documenting the results of any investigations or consultations which have occurred (see deliverables below).
- USACE reporting would only be required for Segment A, B, and D in this Work Order.
- Actual report deliverable would not be required as construction is not anticipated to be complete during the work order period. Only work to document existing conditions and organize data and reports would be accomplished during this work order.

### FEE AND EXPENSES

Kimley-Horn will perform the services in Tasks 1 – 18 on a labor fee plus expense basis with the maximum fee shown below.

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

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

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

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

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

Very Truly Yours,

1. My Awa

V. Ryan Sowa, P.E. Project Manager

Glenn Gary, P.E. Senior Vice President

kimley-horn.com 601 NW Loop 410, Suite 350, San Antonio, TX 78216

210 541 9166

### ATTACHMENT A – ANTICIPATED TASKS FOR PHASE 1B CONTRACTS DURING WORK ORDER NO. 5

	PROCUREMENT CONTRACT ANALYSES OF-ENTRY VISITS & ENGINEERING DESIGN/LAND DESIGN FOR PHASE													
CONTRACT	CONSULTANT PROCUREMENT									CONSTRUCTION PHASE				
PIPELINE SEGMENT A							Х		Х	Х				
PIPELINE SEGMENT B							х		Х	Х				
PIPELINE SEGMENT C							х	Х	Х					
PIPELINE SEGMENT D							х	Х	Х	Х				
PIPELINE SEGMENT E							х	Х	Х	Х				
WELL DRILLING										Х				
OPS. CENTER & ADMIN. BUILDING	х	х	Х	х	N/A	х	N/A	Х						
RAW WATER INFRASTRUCTURE							Х	Х	Х	Х				
WATER TREATMENT PLANT							х	Х	х	Х				
BOOSTER PUMP STATION & DELIVERY POINTS							х	Х	х	Х				
ELEVATED STORAGE TANKS						Х	Х	Х	Х					

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

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

														I									
	Alliance Regional Water Authority													Project F	ee Summary								
						Owner's Represer	ntative / Pr			(Work Orde	r No. 5)										Total Effort	\$ 2,685,433	
						Detailed	d Overall K	2/6/2021 Kimlev-Hor	n Cost Bre	akdown													
Task	1						1		Scope of	Services			1								1		
TUSK	Project Rol	Wingi / Phincipai	Mngr		GIS Specialist			Technician	Training	GIS Analyst	Administrative Staff / Technician	Total Hours	Total Labor Effort	Total Expense Effort	Foster CM Group	CP&Y	Grubb	Spitzer	RVK	V&A	Total Sub Effort	Total Effort	Assumptions
	Hourly Bill Rate           Task 1 - Program Management Plan Updates	e \$275.00	\$235.00	\$165.00	\$170.00	\$165.00 \$150.00	\$160.00	\$135.00	\$130.00	\$130.00	\$95.00		\$ 25,040	\$-	\$ 2,442	\$-	\$-	\$ 4,780	\$-	\$-	\$ 7,222	\$ 32,262	
1.1	Communication Protocol	2		2					2		2	8	\$ 1,370		\$-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,370	
1.2	Document Control / Data Management Protocol Quality Assurance Plan											0	\$ - \$ -		<u>\$</u> - \$-	\$- \$-	<u>\$</u> -	<u>\$</u> - \$-	\$- \$-	<u>\$</u> - \$-	\$- \$-	\$- \$-	
1.4	Milestone Review Process Protocol											0	\$ -		\$-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$-	
1.5	Risk Management Plan Land Acquisition Protocol											0	\$- \$-		\$ -	\$- \$-	\$ - \$ -	\$ 4,780	\$ - \$ -	<u> </u>	\$- \$4,780	\$- \$4,780	
1.7	Environmental Management Protocol											0	\$-		\$-	\$-	\$-	\$-	\$-	\$ -	\$-	\$-	
1.8	Texas Water Development Board (TWDB) Protocol Design Management Protocol											0	\$ - \$ -		\$- \$-	\$- \$-	\$ - \$ -	\$ - \$ -	\$- \$-	<u>\$</u> - \$-	\$- \$-	\$- \$-	
1.10	Budget and Funding Protocol											0	\$ -		\$ 1,221	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,221	\$ 1,221	
1.11 1.12	Schedule Protocol Reporting Protocol											0	\$- \$-		\$ 1,221 \$ -	\$- \$-	s - s -	<u>\$</u> - \$-	\$- \$-	<u>\$</u> - \$-	\$ 1,221 \$ -	\$ 1,221 \$ -	
1.13	Permit Management Protocol											0	\$ -		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$	
1.14 1.15	GBRA & PAC Protocol Procurement Protocol	4		8					8		4	0 24	\$ - \$ 4,000		<u>\$</u> - \$-	\$ - \$ -	\$ - \$ -	<u>\$</u> - \$-	\$- \$-	<u>\$</u> - \$-	\$- \$-	\$ - \$ 4,000	
1.16	Construction Protocol	20		30					30		20	100	\$ 16,850		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 16,850	
1.17	PMP Appendices	2		6					6		4	18	\$ 2,820		\$-	\$ -	\$-	\$-	\$-	\$-	\$-	\$ 2,820	
	Task 2 - Stakeholder Coordination												\$ 168,490	\$ 4,700	\$ 11,620	\$ 73,480	\$-	\$ 21,393	\$ -	\$ -	\$ 106,493	\$ 279,683	
2.1 2.2	Stakeholder Identification Initial and/or Ongoing Coordination											0	\$- \$-		\$ - \$ -	\$ - \$ -	\$- \$-	<del>\$</del> - \$-	\$- \$-	<u>\$</u> - \$-	\$ - \$ -	\$ - \$ -	
2.2 2.2.1	Executive Director	104										104	\$ 28,600		\$-	\$ -	\$-	\$-	\$-	\$-	\$-	\$ 28,600	
2.2.2 2.2.3	Technical Committee and Board PAC		<u> </u>								]	0	\$- \$-		\$ ·	\$ 1,034 \$ 3,102		\$ - \$ -	\$ - \$ -	\$ - \$ -	\$ 1,034 \$ 3,102	\$ 1,034 \$ 3,102	
2.2.4	Other Alliance Water Consulting Services	12										12	\$ 3,300		\$ -	\$ -	\$-	\$ -	\$ -	\$ -	\$ -	\$ 3,300	
2.2.5	Texas Commission on Environmental Quality Texas Department of Transportation	6										6	\$ 1,650		<u>\$</u> -	\$ - \$ -	\$ - \$ -	<u>\$</u> - \$-	\$ - ¢	<u>\$</u> -	\$ -	\$ 1,650 \$ -	
2.2.6 2.2.7	Union Pacific Railroad											0	\$- \$-		\$ -	\$ -	\$ -	\$ -	\$ -	<u> </u>	\$ - \$ -	<del>,</del> ,	
2.2.8 2.2.9	Counties (Hays, Caldwell, Guadalupe) Cities (Kyle, San Marcos, Uhland, Lockhart, Maxwell, others)	6										6	\$ 1,650 \$ 1,650		\$ - \$ -	\$ - \$ -	\$ ·	\$ - ¢	\$ -	\$ -	\$- \$-	\$ 1,650 \$ 1,650	
2.2.9	GBRA and/or its Consultants	18		18								36	\$ 8,280		\$ -	\$ -	\$ -	\$ -	\$ - \$ -	<u> </u>	\$- \$-	\$ 8,280	
2.2.11	Other Utilities/Entities	6		<u> </u>					40		24	6	\$ 1,650	¢ 1.000	\$ -	\$ -	\$ ·	\$ -	\$ -	\$ -	\$ -	\$ 1,650	
2.3 2.4	Alliance Water Executive Director coordination meetings Alliance Water Technical Committee and Board Meetings	72 60		60 24					48		24	204	\$ 39,420 \$ 20,940	\$ 1,000 \$ 1,000	\$ - \$ -	\$ 26,180 \$ -	\$- \$-	\$ 11,669 \$ -	\$- \$-	<u>\$</u> - \$-	\$ 37,849 \$ -	\$ 78,269 \$ 21,940	Assumed half of meetings will be virtual
2.5	PAC Meetings	30		12								42	\$ 10,470	\$ 500	\$ -	\$ 3,322		\$ -	\$ -	\$ -	\$ 3,322	\$ 14,292	
2.6 2.7	Other ARWA Consulting Services - as part of Coor. Mtg. with ED. Texas Commission on Environmental Quality - Meetings	10		10								20	\$ 4,600 \$ 2,200			\$ - \$ 3,520	\$- \$-	<u>\$</u> - \$-	\$- \$-	<u>\$</u> - \$-	\$ - \$ 3,520	\$ 4,800 \$ 5,820	
2.8	Texas Department of Transportation - Meetings	4										4	\$ 1,100	\$ 100	\$ -	\$ 4,158	\$ -	\$ -	\$ -	\$ -	\$ 4,158	\$ 5,358	
2.9 2.10	Union Pacific Railroad - Meetings Counties - Meetings	4										4	\$ 1,100 \$ 2,750	\$ 100 \$ 100	<u>\$</u> - \$-	\$ - \$ 5,764	<u></u>	<u>\$</u> - \$-	\$- \$-	<u>\$</u> - \$-	\$- \$5,764	\$ 1,200 \$ 8,614	
2.11	Cities - Meetings	10										10	\$ 2,750	\$ 100	\$ -	\$-	\$ -	\$ -	\$ -	\$ -	\$-	\$ 2,850	
2.12 2.13	Other Utilities/Entities - Meetings Internal Program Monthly Meetings	10 60	18	36					48			10	\$ 2,750 \$ 33,630		\$ - \$ 11,620	\$ 220 \$ 26,180		\$ - \$ 9,724	\$- \$-	<u>\$</u> - \$-	\$ 220 \$ 47,524	\$ 3,470 \$ 82,154	
																		• •,					
3.1	Task 3 - Budgeting Perform Monthly Budget Updates	18		18								36	\$ 26,220 \$ 8,280	\$ -	\$ 84,641 \$ 73,379	<mark>\$ -</mark> \$ -	<mark>\$ -</mark> \$ -	<mark>\$ -</mark> \$ -	<del>\$-</del> \$-	<mark>\$ -</mark> \$ -	\$ 84,641 \$ 73,379	\$ 110,861 \$ 81,659	
3.1.1	Track costs to the Phase 1B Program vs. the anticipated budget											0	\$ -		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
3.1.2 3.1.3	Coordinate with applicable parties to receive current OPCC data Identify budget deviations and coordinate with applicable parties											0	\$ - \$ -		\$ - \$ -	\$ - \$ -	\$- \$-	<u>\$</u> - \$-	\$- \$-	<u>\$</u> - <u>\$</u> -	\$- \$-	\$ - \$ -	
3.2	Prepare Budget Updates	18		18								36	\$ 8,280		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 8,280	
3.2.1 3.2.2	Executive Director (Monthly) Alliance Water Board and Technical Committee (Quarterly)							-				0	\$ - \$ -		\$ 5,507 \$ 1,918	\$ - \$ -	\$ - \$ -	<u>\$</u> - \$-	\$ - \$ -	<u>\$</u> - <u>\$</u> -	\$ 5,507 \$ 1,918	\$ 5,507 \$ 1,918	
3.2.3	PAC (Quarterly)											0	\$ -		\$ 1,918	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,918	\$ 1,918	
3.2.4 3.2.5	TWDB (Quarterly) Public (Quarterly)											0	\$ - \$ -		\$ 1,918 \$ -	\$ - \$ -	\$ - \$ -	<u>\$</u> - \$-	\$ - \$ -	<u>\$</u> - \$-	\$ 1,918 \$ -	\$ 1,918 \$ -	
3.3	Program Cost Evaluation	6		18					36			60	\$		\$-	\$ -	\$-	\$ -	\$ -	\$-	\$-	\$ 9,660	
	Task 4 - Schedule												\$ 23,640	<b>\$</b> -	\$ 57,552	<b>\$</b> -	<b>\$</b> -	\$ -	\$ -	\$ -	\$ 57,552	\$ 81,192	
4.1	Perform Monthly Schedule Updates	18		18								36	\$ 8,280		\$ 57,552	\$ -	\$ ·	\$ -	\$ -	\$ -	\$ 57,552	\$ 65,832	
4.1.1 4.1.2	Coordinate with applicable parties to obtain current schedules Identify schedule deviations and coordinate with applicable parties											0	\$- \$-		\$ - \$ -	\$- \$-	\$- \$-	<del>\$</del> - \$-	\$- \$-	<del>\$ -</del> \$ -	\$- \$-	\$- \$-	
4.1.3	Special updates will be performed when critical info becomes known		1									0	\$ -		\$ -	\$-	\$ -	\$ -	\$ -	\$ -	\$ -	\$	
4.2 4.2.1	Prepare Schedule Updates Executive Director (Monthly)	18		18					-			36	\$ 8,280 \$ -		<u>\$</u> - \$-	\$- \$-	\$- \$-	<u>\$</u> - \$-	\$- \$-	<u>s</u> - S -	\$- \$-	\$ 8,280 \$ -	
4.2.2	Alliance Water Board and Technical Committee (Quarterly)											0	\$ -		\$ -	\$ -	\$ -	\$ -	\$ -	<u>\$</u> -	\$ -	\$ -	
4.2.3 4.2.4	PAC (Quarterly) TWDB (Quarterly)											0	\$- \$-		\$ - \$ -	\$- \$-	\$- \$-	<u>\$</u> - \$-	\$- \$-	<u>\$</u> - \$-	\$- \$-	\$- \$-	
4.2.5	Public (Quarterly)											0	\$-		\$-	\$-	\$-	\$-	\$-	\$-	\$-	\$-	
4.3	Program Schedule Evaluation	12		12					12			36	\$ 7,080		\$ -	\$-	\$-	\$ -	\$-	\$-	\$-	\$ 7,080	
	Task 5 - Reporting												\$ 47,110	\$-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 47,110	
5.1 5.2	Prepare Monthly Progress Reports Prepare Progress Updates (ED., ARWA, TWDB, Public)	24		24					24			72	\$ 14,160 \$ -		\$ - \$ -	\$ - \$ -	\$ - \$ -	<del>\$</del> - \$-	\$- \$-	<del>\$ -</del> \$ -	\$ - \$ -	\$ 14,160 \$ -	
5.2.1	Executive Director (Weekly Summary and Monthly Report)	12		12					24			48	\$ 8,640		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 8,640	
5.2.2 5.2.3	Alliance Water Board and Committees (Monthly) PAC (Monthly)	18		24 12					24			66 36	\$ 12,510 \$ 7,080		\$ - \$ -	\$ - \$ -	\$ - \$ -	<u>\$</u> - \$-	\$ - \$ -	<del>\$ -</del> \$ -	\$ - \$ -	\$ 12,510 \$ 7,080	
5.2.4	TWDB (Quarterly)											0	\$-		\$ -	\$ -	\$ -	\$ - \$	\$ -	<u> </u>	\$ -	\$-	
5.2.5	Public (Quarterly)	8		8					8			24	\$ 4,720		\$-	\$-	\$-	\$-	\$-	\$-	\$-	\$ 4,720	
	Task 6 - Data Management												\$ 61,650	\$ 5,000	\$ 24,926	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 24,926	\$ 91,576	
6.1 6.1.1	Overall Data Management Perform admin. Support functions for overall project record keeping	6	<u> </u>	36					48			90	\$ 14,550 \$ -		\$ 18,128 \$ -	\$ - \$ -	\$ ·	\$ - \$ -	\$ - \$	\$ - \$ -	\$ 18,128 \$ -	\$ 32,678 \$ -	
6.1.2	Enter information into applicable data management system											0	\$ - \$ -		\$ -	\$- \$-	» -	\$ -	\$ -	\$	\$- \$-	s -	
6.1.3 6.1.4	Distribute updated contract documents											0	\$ - \$		\$ - ¢	\$ - ¢	\$ - \$	\$ - ¢	\$ - ¢	\$ - ¢	\$ - ¢	\$ - \$	
6.1.4 6.1.5	Prepare, manage, record, distribute and archive documentation Log receipt of all documents and inquiries requiring a response							-				0	\$- \$-		<del>\$</del> - \$-	\$ - \$ -	\$- \$-	<u></u> - \$	ф - \$ -	<u>\$</u> - \$-	\$ - \$ -	\$- \$-	
6.1.6	Review supporting documents for conformance with PMP											0	\$ -		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
6.1.7	Maintain project records	1	1	L	1		I	1	1	1		0	ъ -		<b>р -</b>	φ -	φ -	<b>ә</b> -	<b>ф</b> -	ф -	<b>ф</b> -	\$-	

1	Alliance Regional Water Authority																				
						Owner's Re	presentative /	Program Ma 2/6/2021		(Work Orde	er No. 5)								Total Effort	\$ 2,685,433	
							etailed Overal			akdown											
									Seene of	f Services											
Task									Scope of	Services											
	Project Rol Hourly Bill Rat	Mingr / Principal	Mingr		GIS Specialist	Civil Engineer IT P \$165.00 \$1	ofessional GIS Develo	Technician	Training	GIS Analyst	Administrative Staff / Technician	Total Hours	Total Labor Effort Effort Effort	Foster CM Group	CP&Y Grubb	Spitzer	RVK	V&A	Total Sub Effort	Total Effort	Assumptions
6.1.8	Maintain change management logs, RFI logs, RFP logs, Submittal logs	¢210.00	\$200.00	¢100.00	¢110.00	¢100.00 ¢	\$10010		\$100.00	¢100.00	\$00.00	0	\$ -	\$-	<u>\$</u> - <u>\$</u> -	\$ -	\$-	\$ -	\$-	\$-	
6.1.9 6.2	Perform internal audits for quality assurance of overall documents Microsoft SharePoint											0	\$ - \$ -	\$ - \$ 6,798	<u>\$</u> - <u></u> \$- \$- <u></u> \$-	-	\$- \$-	\$ - \$ -	\$- \$6,798	\$ - \$ 6,798	
6.2.1 6.3	Perform ongoing data management of documents within SharePoint Interactive Web-based GIS	6				48	48		48			150	\$ 23,010 \$ 2,000 \$	\$ - \$	\$ - \$ - \$ - \$ -	\$ - \$ -	\$ - \$	\$ - \$	\$- \$-	\$ 25,010	
6.3.1	Perform ongoing incorporation of data within ArcGIS	6			24	24	12		48	48		162	\$ 24,090 \$ 2,000	\$ -	\$ - \$ -	\$ -	\$ -	\$ -	\$ -	\$ 26,090	
6.4 6.4.1	Deliverables Hard copy deliverable to be provided to Alliance Water							_				0	\$ - \$ - \$ 1,000	\$ - \$ -	<u>\$</u> - <u>\$</u> - <u>\$</u> - <u>\$</u> -	\$ - \$ -	\$ - \$ -	\$ - \$ -	\$- \$-	\$ - \$ 1,000	
6.4.1.1	Meeting Agendas											0	\$ -	\$-	\$-\$-	\$-	\$-	\$-	\$-	\$ -	
6.4.1.2 6.4.1.3	Program status reports Copies of the PMP							_				0	\$- \$-	\$ - \$ -	<u>\$</u> - <u>\$</u> - <u>\$</u> - <u>\$</u> -	\$ - \$ -	\$ - \$ -	\$ - \$ -	\$- \$-	\$- \$-	
6.4.1.4	Exhibits											0	\$ -	\$-	\$ - \$ -	\$ -	\$ -	\$ -	\$-	\$ -	
	Task 7 - Environmental Management												\$ 15,420 \$ -	\$-	\$ 68,970 \$ -	\$ -	\$-	\$-	\$ 68,970	\$ 84,390	
7.1 7.2	Perform regular coordination with Env. Cons. Ongoing agency coordination	24		12								36	\$ 8,820 \$ -	\$- \$-	\$ 5,808 \$ - \$ - \$ -		\$ - \$ -	\$ - \$ -	\$ 5,808 \$ -	\$ 14,628 \$ -	
7.2.1	United States Army Corps of Engineers (USACE)											0	\$-	\$ - \$ -	\$ 2,178 \$ -	\$ -	\$ -	\$ - \$	\$ 2,178	\$ 2,178	
7.2.2 7.2.3	Texas Parks and Wildlife Department (TPWD) Local floodplain administrators		-									0	\$ - \$ -	\$ - \$ -	\$ 1,452 \$ - \$ - \$ -		\$- \$-	\$- \$-	\$ 1,452 \$ -	\$ 1,452 \$ -	
7.3	Assist with the review of Env. Cons. monthly invoices	4										4	\$ 1,100	\$-	\$ 2,178 \$ -		\$ -	\$ -	\$ 2,178	\$ 3,278	
7.5	Continuous tracking of Env. Cons. Scope of work & amendments Perform as-needed site visits with Env Cons. during Field Study	12						_				12 0	\$ 3,300 \$ -	\$ - \$ -	\$ 6,534 \$ - \$ 1,452 \$ -	\$ - \$ -	\$- \$-	ъ - \$ -	\$ 6,534 \$ 1,452	\$ 9,834 \$ 1,452	
7.6	Coordinated site visits with those identified in Task 8 and 11 Review and comment on Environmental Permitting Documents	4						_				0	\$ - \$ 1,100	\$- ¢	\$ 726 \$ -	-	\$ -	\$ -	\$ 726		
7.7.1	USACE	4										4	\$ 1,100 \$ -	\$- \$-	\$ - \$ - \$ 10,890 \$ -		ş - \$ -	ş - \$ -	\$- \$10,890	\$ 10,890	
7.7.2 7.7.3	TPWD United States Fish and Wildlife Service (USFWS)							_				0	\$ - \$ -	\$ - \$ -	\$ 5,808 \$ - \$ 5,808 \$ -		\$ - \$ -	\$ - \$ -	\$ 5,808 \$ 5,808		
7.7.4	Texas Historical Commission (THC)											0	\$ -	\$ -	\$ 8,712 \$ -	\$ -	\$ -	\$ -	\$ 8,712	\$ 8,712	
7.8 7.9	Review and comment on TWDB deliverables by Env. Cons. Other Environmental Services as defined by Alliance Water	4						_	-			4 0	\$ 1,100 \$ -	\$- \$-	\$ 8,712 \$ - \$ 5,808 \$ -	\$ - \$ -	\$- \$-	\$- \$-	\$ 8,712 \$ 5,808	\$ 9,812 \$ 5,808	
7.10	Environmental Agency meetings (USACE, USFWA, TPWD, THC)											0	\$ -	\$ -	\$ 1,452 \$ -		\$ -	\$ -	\$ 1,452	\$ 1,452	
7.11	Environmental Consultant Team progress meetings							_	_			0	\$ -	\$-	\$ 1,452 \$ -	\$-	ъ -	ۍ د ۲	\$ 1,452	\$ 1,452	
8.1	Task 8 - Land Acquisition Management Perform regular coordination with Ld. Acq. Cons.	48				48						96	\$ 46,200 \$ - \$ 21,120	\$ - \$	<mark>\$ - \$ -</mark>	\$ 463,387 \$ 247,830	\$ - \$	\$ - \$	\$ 463,387 \$ 247,830	\$ 509,587 \$ 268,950	
8.2	Assist with the review of Ld. Acq. Cons. monthly invoices					40						0	\$-	\$ -	\$ - \$ -	\$ 11,273	\$ -	\$ -	\$ 11,273	\$ 11,273	
	Continuous tracking of Land Acq. Scope of work & amendments Review land acquisition data for conformance to the PMP/RAMP	12						_				12	\$ 3,300 \$ -	\$ - \$ -	<u>\$</u> - <u>\$</u> - <u>\$</u> - <u>\$</u> -	\$ 4,862 \$ 42,090	\$ - \$ -	\$ - \$ -	\$ 4,862 \$ 42,090		
8.5	Perform as-needed site visits with Ld. Acq. Cons.											0	\$ -	\$-	\$ - \$ -	\$ 1,216	\$-	\$ -	\$ 1,216	\$ 1,216	
	Coordinated site visits with those identified in Task 7 and 11 Review and comment on TWDB land acquisition deliverables	12				12		-				24	\$ - \$ 5,280	\$- \$-	<u>\$</u> - <u></u> \$- \$-\$-	φ 1,210	\$ - \$ -	\$ - \$ -	\$ 1,216 \$ 4,326		
8.8	Coord. with landowners to facilitate access for Consultants for field work Assist in resolution of title issues											0	\$ -	\$ -	\$ - \$ - ¢	\$ 18,229 \$ 96,268	\$ -	\$ -	\$ 18,229 \$ 96,268	\$ 18,229 \$ 96,268	
	Weekly Mtg with Alliance Water and Special Counsel	36										36	\$ 9,900	\$ - \$ -	\$ - \$ - \$ - \$ -	\$ 18,962	\$ - \$ -	\$ - \$ -	\$ 90,208 \$ 18,962	\$ 28,862	
	Other Ld. Acq. services as identified and assigned by Alliance Water Land Acq. Team progress meetings	24						_				24	\$ 6,600 \$ -	\$ - \$ -	<u>\$</u> - <u>\$</u> - <u>\$</u> - <u>\$</u> -	\$ - \$ 17,116	\$ - \$ -	\$ - \$ -	\$ - \$ 17.116	\$ 6,600 \$ 17,116	
	Task 9 - Texas Water Development Board Management											, , , , , , , , , , , , , , , , , , ,	\$ 13,200 \$ 200	\$-	\$ 70,158 \$ -	\$ -	\$-	\$ -	\$ 70,158	\$ 83,558	
	Identify milestone deliverables and provide feedback on CP schedule Review TWDB deliverables for conformance to TWDB requirements	24						_	-			0 24	\$ - \$ 6,600	\$- \$-	\$ 6,644 \$ - \$ 30,360 \$ -	\$ - \$ -	\$- \$-	\$- \$-	\$ 6,644 \$ 30,360	\$ 6,644 \$ 36,960	
	Perform regular coordination with the TWDB to discuss ongoing actions	12						_				12	\$ 3,300	\$-	\$ 12,034 \$ -	\$ -	\$ -	\$ -	\$ 12,034	\$ 15,334	
9.4 9.5	Prepare fund release request letters for submission to TWDB TWDB progress meeting	12										12	\$ - \$ 3,300 \$ 200	\$ - \$ -	\$ 9,548 \$ - \$ 11,572 \$ -	\$ -	\$- \$-	\$- \$-	\$ 9,548 \$ 11,572	\$ 9,548 \$ 15,072	
	Task 10 - Design Standards Updates								_				\$ 49,600 \$ 1,000	\$ .	\$ 13,508 \$ -	\$	\$ .	\$ 20,295	\$ 33,803	\$ 84,403	
	Development of Design Standards, Specifications, and Details	_				_					_	0	\$-	\$ -	\$ - \$ -	\$ -	ş -	\$ -	\$-	\$-	
10.1.1 10.1.2	Transmission Pipelines and Delivery Points Design Stds Finalize Preparation of Standard Specifications for Const Finalize	5	10			5 10			5		5 10	20 50	\$ 3,325 \$ 9,000	\$- \$-	\$ 3,256 \$ - \$ - \$ -	\$ - \$ -	\$- \$-	\$- \$-	\$ 3,256 \$ -	\$ 6,581 \$ 9,000	
10.1.3	Preparation of Standard Details - Finalize	10	5	-		5		_	20			40	\$ 7,350	\$ -	\$ 3,256 \$ -	\$ -	\$ -	\$ -	\$ 3,256	\$ 10,606	
10.1.4 10.1.5	Pipeline Corrosion Protection Standards Telemetry, Instrumentation & Controls, SCADA, and Security Standards	5		5								10 5	\$ 2,300 \$ 1,375	\$ - \$ -	<u>\$</u> - <u>\$</u> - <u>\$</u> - <u>\$</u> -	Ŷ	ъ - \$ -	\$ 20,295 \$ -	\$ 20,295 \$ -	\$ 22,595 \$ 1,375	
10.1.5.1 10.1.5.2												0	\$ - \$ -	\$- \$-	\$ - \$ - \$ - \$ -	\$ - \$ -	\$ - \$ -	\$- \$-	\$- \$-	\$- \$-	
10.1.5.3	I&C Standards							1				0	\$ - \$ -	\$ - \$ -	\$ - \$ - \$ - \$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
10.1.5.4 10.1.6	Security Standards Facility General Electrical Standards	5		-	-	+			_			0 5	\$- \$1,375	\$ - \$ -	<u>\$</u> - <u>\$</u> - <u>\$</u> - <u>\$</u> -	\$ - \$ -	\$- \$-	\$- \$-	\$ - \$ -	\$- \$1,375	
10.2	Master Specifications - Finalize	5	5			20			40		5	15	\$ 3,025 \$ 12,425	\$ - ¢	\$ - \$ -		\$ -	\$ -	\$-	\$ 3,025	
10.4	Record Drawings (Plans & GIS) Address comments from Design Consultant Teams and Finalize	10 10	5			20 5			40			75 30	\$ 6,050	\$- \$-	\$ - \$ - \$ 6,996 \$ -	Ŷ	ъ - \$ -	\$- \$-	\$- \$6,996	\$ 12,425 \$ 13,046	
	Standards Review Meeting	5	5		_	5		_				15	\$ 3,375 \$ 1,000	\$ -	\$ - \$ -	\$ -	\$-	\$-	\$ -	\$ 4,375	
	Task 11 - Engineering Design Management												\$ 202,700 \$ -	\$ -	\$ 158,576 \$ -	\$ -	\$ -	\$ -	\$ 158,576	\$ 361,276	
11.1	Management and Coordination of Hydrogeology/Well Drilling Identify early actions required											0	\$ - \$ -	\$ - \$ -	<u>\$</u> - <u>\$</u> - <u>\$</u> - <u>\$</u> -	\$ - \$ -	\$ - \$ -	\$- \$-	\$- \$-	\$- \$-	
	Assist with the development and review of project scope for the DC							1		1	1	0	\$ -	\$-	\$ - \$ -	\$ -	\$ -	\$ -	\$-	\$ - \$ -	
	Assist with the review of proposed LOE developed by the DC Assist with the review of Design Consultants monthly invoices	3										0 3	\$ - \$ 825	\$- \$-	\$ - \$ - \$ 1,480 \$ -	\$ - \$ -	\$- \$-	\$- \$-	\$ - \$ 1,480	\$ - \$ 2,305	
	Perform regular coordination with the DC to discuss ongoing tasks											0	\$ -	\$ - \$ -	\$ - \$ -		\$ - ¢	\$ - «	\$ -	\$-	
	Perform as-needed site visits with Design Consultants Review/Comment on TWDB EFR deliverables prepared by DC											0	\$ - \$ -	\$ - \$ -	<u>\$</u> - <u>\$</u> - <u>\$</u> - <u>\$</u> -	\$ - \$ -	ъ - \$ -	\$- \$-	\$- \$-	\$- \$-	
	Review/Comment on milestone submittals prepared by DC 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. Identify early actions required											0	\$ - \$ -	\$ - \$ -	<u>\$</u> - <u>\$</u> - <u>\$</u> - <u>\$</u> -	\$ - \$ -	\$ - \$ -	\$- \$-	\$- \$-	\$- \$-	
	Assist with the development and review of project scope for the DC	2						1		1	1	2	\$ 550	\$-	\$ 814 \$ -	\$ -	\$ -	\$ -	\$ 814	\$ 1,364	
	Assist with the review of proposed LOE developed by the DC Assist with the review of Design Consultants monthly invoices	2							6			2 18	\$ 550 \$ 4,080	\$- \$-	\$ 407 \$ - \$ 2,701 \$ -	\$ - \$ -	\$- \$-	\$- \$-	\$ 407 \$ 2,701	\$ 957 \$ 6,781	
	Perform regular coordination with the DC to discuss ongoing tasks	6		-				-	-	-	-	6	\$ 1,650	\$ - ¢	\$ - \$ - \$ - \$	\$ - ¢	\$ - ¢	\$ - ¢	\$ - \$ -	\$ 1,650	
	Perform as-needed site visits with Design Consultants	1	1	1	1	1	1	1		1	1	U	φ -	φ -	φ - δ -	<b>р</b> -	φ -	φ -	φ -	φ -	

														Fee Summary \$ 2,685,433
				2/6/2021 d Overall Kimley-Horn Cost Breakdown										
			Detailed											
Task				Scope of Services										
Project Role QA/QC / Senia Mingr / Principe	Mngr	rj Senior Engineer GIS Specialist		CADD Operator / Senior         Engineering-in- Training         GIS Analyst         Administrative Staff / Technician           \$160.00         \$135.00         \$130.00         \$130.00         \$95.00	Total Hours	Total Labor Effort	Total Expense Effort	Foster CM Group	CP&Y Grubb	Spitzer	RVK	V&A	Total Sub Effort	Total Effort Assumptions
Review/Comment on TWDB EFR deliverables prepared by DC	φ200.00	\$103.00 \$110.00	\$100.00		0	\$ -		\$-	\$ 2,200 \$ -	-	\$-	\$ -	\$ 2,200	
Review/Comment on milestone submittals prepared by DC Review/Comment on OPCC's prepared by DC					0	\$ - \$ -		\$- \$-	\$ 4,587 \$ - \$ 1,359 \$ -	Ŷ	\$- \$-	<u>\$</u> - \$-	\$ 4,587 \$ 1,359	
Other Design-related services as assigned by Alliance Water 11.3 Management and Coordination of WTP and HSPS					0	\$- \$-		\$ - \$ -	\$ - \$ - \$ - \$ -		\$ - \$ -	\$ - \$ -	\$- \$-	\$ - \$ -
Identify early actions required					0	\$ -		\$-	\$ - \$ -	\$ -	\$-	<u>\$</u> -	\$ -	\$ -
Assist with the development and review of project scope for the DC         3           Assist with the review of proposed LOE developed by the DC         3					3	\$ 825 \$ 825		\$- \$-	\$ 2,068 \$ - \$ 1,243 \$ -	· \$ -	\$ - \$ -	<u>\$</u> - \$-	\$ 2,068 \$ 1,243	\$ 2,068
Assist with the review of Design Consultants monthly invoices 12 Perform regular coordination with the DC to discuss ongoing tasks 6				6	18	\$ 4,080 \$ 1,650		\$- \$-	\$ 3,102 \$ - \$ 6,006 \$ -		\$ - \$ -	\$ - \$ -	\$ 3,102 \$ 6,006	
Perform as-needed site visits with Design Consultants Review/Comment on TWDB EFR deliverables prepared by DC	_				0	\$ -		\$ -	\$ - \$ -		\$ -	\$ -	\$ -	\$ -
Review/Comment on milestone submittals prepared by DC					0	\$ - \$ -		s - \$ -	\$ - \$ - \$ 3,520 \$ -		\$ - \$ -	\$- \$-	\$ - \$ 3,520	
Review/Comment on OPCC's prepared by DC           Other Design-related services as assigned by Alliance Water					0	\$- \$-		\$- \$-	\$ 2,486 \$ - \$ 4,620 \$ -	· \$ -	\$- \$-	<u>\$</u> - \$-	\$ 2,486 \$ 4,620	
11.4 Management and Coordination of Transmission Pipeline (5 Contracts) Identify early actions required					0	\$ - \$ -		\$ - \$ -	\$ - \$ - \$ - \$ -		\$ - \$ -	\$ - \$ -	\$ - \$ -	Effort associated with Segments C, D, and E     S
Assist with the development and review of project scope for the DC 10		9			19	\$ 4,415		\$ -	\$ 1,628 \$ -	\$ -	\$ -	\$ - \$	\$ 1,628	\$ 6,043
Assist with the review of proposed LOE developed by the DC         10           Assist with the review of Design Consultants monthly invoices         60		9 60			19 120	\$ 4,415 \$ 27,600		s - s -	\$ 814 \$ - \$ 5,401 \$ -		\$- \$-	\$- \$-	\$ 814 \$ 5,401	\$ 33,001
Perform regular coordination with the DC to discuss ongoing tasks 20 Perform as needed site visits with Design Consultants		60			80	\$ 16,600 \$ -		\$- \$-	\$ 68,134 \$ - \$ - \$ -	· \$ - · \$ -	\$ - \$ -	\$ - \$ -	\$ 68,134 \$ -	\$ 84,734 \$ -
Review/Comment on TWDB EFR deliverables prepared by DC		19			0	\$ - \$ 6,630		\$ -	\$ 3,256 \$ -	Ψ.	\$ - ¢	\$ -	\$ 3,256	
Review/Comment on milestone submittals prepared by DC         12           Review/Comment on OPCC's prepared by DC         6		18 6			30 12	\$ 2,760		<del>s</del> -	\$ 16,104 \$ - \$ 4,934 \$ -	• \$ -	⇒ - \$ -	° − \$ −	\$ 16,104 \$ 4,934	\$ 7,694
Other Design-related services as assigned by Alliance Water 24 11.5 Management and Coordination of Admin. Building and Ops. Center	+	24	<u> </u>		48 0	\$ 11,040 \$ -		\$- \$-	\$ 15,928 \$ - \$ - \$ -		\$ - \$ -	\$ - \$ -	\$ 15,928 \$ -	\$ 26,968 \$ -
Identify early actions required Assist with the development and review of project scope for the DC					0	\$ - \$ -		\$ - \$ -	\$ - \$ - \$ - \$ -	\$ -	\$ - \$	<u>\$</u> -	\$ - \$ -	\$ - \$ -
Assist with the review of proposed LOE developed by the DC					0	\$ - \$ -		\$ -	\$ - \$ - \$ - \$ -	\$ -	\$ -	<del>s -</del> \$ -	\$ -	\$ - \$ -
Review and provide comments on the PMP prepared by the DC Assist with the review of Design Consultants monthly invoices					0	\$- \$-		\$- \$-	<u>\$</u> - <u></u> \$- \$- <u></u> \$-	· \$ -	\$- \$-	<u>\$</u> - \$-	\$ - \$ -	\$ - \$ -
Perform regular coordination with the DC to discuss ongoing tasks 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 Review/Comment on milestone submittals prepared by DC					0	\$ - \$ -		\$- \$-	<u>s</u> - <u>s</u> - <u>s</u> - <u>s</u> -	· \$ -	\$ - \$ -	<u>\$</u> - \$-	\$- \$-	\$ - \$ -
Review/Comment on OPCC's prepared by DC Other Design-related services as assigned by Alliance Water					0	\$ - \$ -		\$ - \$ -	<u>\$</u> - <u>\$</u> - \$- <u>\$</u> -	· \$ -	\$ - \$ -	\$ - \$ -	\$ - \$ -	\$ - \$ -
11.6 Management and Coordination of BPS & Delivery Points     Identify early actions required					0	\$ -		\$ -	\$ - \$ -		\$ -	<u>\$</u> -	\$ -	\$ -
Assist with the development and review of project scope for the DC 2		4			0	\$ - \$ 1,290		\$ - \$ -	s - s - s - s -		\$ -	<del>s -</del> \$ -	\$ - \$ -	\$ - \$ 1,290
Assist with the review of proposed LOE developed by the DC         2           Assist with the review of Design Consultants monthly invoices         12		4 24			6 36	\$ 1,290 \$ 7,740		\$- \$-	<u>\$</u> - <u>\$</u> - <u>\$</u> - <u>\$</u> -	\$- \$-	\$ - \$ -	<u>\$</u> - \$-	\$- \$-	\$ 1,290 \$ 7,740
Perform regular coordination with the DC to discuss ongoing tasks Perform as needed site visits with Design Consultants		10			10	\$ 1,850 \$ -		\$ - \$ -	\$ - \$ - \$ - \$ -	\$ - \$ -	\$ - \$ -	\$ - \$ -	\$- \$-	\$ 1,850 \$ -
Review/Comment on TWDB EFR deliverables prepared by DC					0	\$ -		\$-	\$ - \$ -	\$ -	\$-	<u>\$</u> -	\$ -	\$ -
Review/Comment on milestone submittals prepared by DC           Review/Comment on OPCC's prepared by DC					0	\$ - \$ -		s - \$ -	<u> </u>	\$ - \$ -	\$ - \$ -	\$ - \$ -	\$- \$-	\$ - \$ -
Other Design-related services as assigned by Alliance Water 11.7 Management and Coordination of Elevated Storage Tanks					0	\$ - \$ -		\$ - \$ -	<u>s</u> - <u>s</u> - <u>s</u> - <u>s</u> -	\$ - \$ -	\$ - \$ -	<u>\$</u> - \$-	\$ - \$ -	\$ - \$ -
Identify early actions required Assist with the development and review of project scope for the DC 4		8			0	\$ - \$ 2,580		\$-	\$ - \$ - \$ -	\$ - \$	\$ - \$	\$ - \$	\$ - ¢	\$ - \$ 2,580
Assist with the review of proposed LOE developed by the DC 4		8			12	\$ 2,580		\$ -	\$ - \$ - \$ - \$ -	\$ - \$ -	\$ -	<del>\$</del> -	\$ -	\$ 2,580
Assist with the review of Design Consultants monthly invoices 12 Perform regular coordination with the DC to discuss ongoing tasks		24 48			36 48	\$ 7,740 \$ 8,880		\$- \$-	<u>\$</u> - <u></u> \$- \$- <u></u> \$-	\$ - \$ -	\$- \$-	<u> </u>	\$- \$-	\$ 7,740 \$ 8,880
Perform as-needed site visits with Design Consultants Review/Comment on TWDB EFR deliverables prepared by DC		5			5	\$ 925 \$ -		\$- \$-	\$ - \$ - \$ - \$ -	\$- \$-	\$ - \$ -	\$ - \$ -	\$- \$-	\$ 925 \$ -
Review/Comment on milestone submittals prepared by DC 18		18			36	\$ 8,280 \$ 1,840		\$- \$-	\$ - \$ -	\$ - ¢	\$ - ¢	\$ - ¢	\$ - \$ -	\$ 8,280 \$ 1.840
Other Design-related services as assigned by Alliance Water 24		4 24			48	\$ 11,040		\$-	\$ - \$ - \$ - \$ -		\$ - \$ -	÷ -	\$ -	\$ 11,040
Management and Coordination of Program Survey           Identify early actions required			<u> </u>		0	\$ - \$ -		\$ - \$ -	\$- \$- \$-	\$ - \$ -	\$ - \$ -	\$ - \$ -	\$ - \$ -	\$         -         Assumes approx. 6 months of effort           \$         -
Assist with the development and review of project scope for the DC Assist with the review of proposed LOE developed by the DC					0	\$ - \$ -		\$- \$-	<u>s - s -</u> s - s -	Ψ.	\$ - \$ -	\$ - \$ -	\$- \$-	\$ - \$ -
Assist with the review of Design Consultants monthly invoices 6		6			12	\$ 2,760		\$ -	\$ - \$ -	\$ -	\$ -	\$-	\$ -	\$ 2,760
Perform regular coordination with the DC to discuss ongoing tasks         6           Perform as-needed site visits with Design Consultants         6		12			18 0	\$ 3,870 \$ -		\$- \$-	\$-\$- \$-\$-		\$- \$-	ə - \$ -	\$- \$-	\$ 3,870 \$ -
Review/Comment on TWDB EFR deliverables prepared by DC           Review/Comment on milestone submittals prepared by DC         4	+	8	16		0 28	\$ - \$ 5,220		\$- \$-	\$-\$- \$-\$-	Ŧ	\$ - \$ -	\$- \$-	\$- \$-	\$ - \$ 5,220
ReviewComment on OPCC's prepared by DC Other Design-related services as assigned by Alliance Water 2		4	8		0	\$ - \$ 2,610		\$- \$-	\$ - \$ - \$ - \$ -		\$ - \$	\$- \$-	\$- \$-	\$ - \$ 2.610
11.9 Commissioning Planning 40		4 60	U	60	14	\$ 29,900		\$ -	<u> </u>	· \$ -	\$ -	• - \$ -	\$ -	\$ 29,900
11.10         Consultant Design Teams progress meetings           11.10.1         Hydrogeology / Well Drilling					0	\$- \$-		\$- \$-	<u>\$</u> - \$- \$-	\$ - \$ -	\$ - \$ -	<u> </u>	\$- \$-	\$ - \$ -
11.10.2 Raw Water Facilities 11.10.3 WTP / HSPS					0	\$ - \$ -		\$- \$-	\$ 814 \$ - \$ 1,716 \$ -	-	\$ - \$ -	\$ - \$ -	\$ 814 \$ 1,716	
11.10.4 Pipelines 8		18			26	\$ 5,530		\$-	\$ 3,256 \$ -	\$ -	\$ -	\$ - ¢	\$ 3,256	\$ 8,786
11.10.5         Administrative Building and Operations Center         4           11.10.6         BPS & Delivery Points         4					4	\$ 1,100 \$ -		\$- \$-	<u>s</u> - <u>s</u> - <u>s</u> - <u>s</u> -		\$ - \$ -	ъ - \$ -	\$- \$-	\$ 1,100 \$ -
11.10.7         Elevated Storage Tanks         6           11.10.8         Program Survey         8	+	18			24	\$ 4,980 \$ 2,200		\$ - \$ -	\$-\$- \$-\$-	\$ - \$ -	\$ - \$ -	\$ - \$ -	\$- \$-	\$ 4,980 \$ 2,200
Task 12 - Quality Assurance					-	\$ 12,510		\$	\$ 5,456 \$ -	\$	s	\$	\$ 5,456	
12.1 Review the QA/QC Plans prepared by the Consultants based on PMP 1	10	3	6		20	\$ 4,170		<del>3</del> - \$-	\$ 1,760 \$ -	Ψ.	\$ -	<u>\$</u> -	\$ 1,760	\$ 5,930
12.2         Perform regular coordination with all Consultants on QA/QC imp.         1           12.3         Review/Receive QA/QC documentation from Consultants         1	10 10	3 3	6 6		20 20	\$ 4,170 \$ 4,170		\$ - \$ -	\$ 1,848 \$ - \$ 1,848 \$ -	\$- \$-	\$ - \$ -	\$- \$-	\$ 1,848 \$ 1,848	
Task 13 - Electrical Power Planning						\$ 4,125	\$ -	\$ -	\$ - \$ 46,9	48 \$ -	\$ -	\$ -	\$ 46,948	
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tive / Program Management (Work Order No. 5)         Total Effort         \$ 2,685,433           2/6/2021												
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IS Develop     CADD Operator / Serior     Engineering-in Training     Cas Analysis     Administrative Staff / and Staff /	Assumptions											
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2     \$ 550     \$ - \$ 8,844     \$ - \$ - \$ - \$ 8,844     \$ 9,394												
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6         \$ 1,650         \$ -         \$ 25,872         \$ -         \$ -         \$ -         \$ 25,872         \$ 27,522												
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Alliance Regional Water Authority     Project Fee Summary																
			Owner's Represer	ntative / Program Management (Work Order No. 5) 2/6/2021										Total Effort	\$ 2,685,433	
			Detailed	d Overall Kimley-Horn Cost Breakdown												
				Scope of Services				1						1		
sk				Scope of Services												
	Project Role QA/QC / Senior Tech. Mngr / Principal Mngr	rj Senior Engineer GIS Specialist	Civil Engineer IT Professional	GIS Developer / Senior Engineering-in- GIS Analyst Staff /	Total Hours	Total Labor	Total Expense	Foster CM	CP&Y	Grubb	Spitzer	RVK	V&A	Total Sub	Total Effort Assumptions	
	Mngr / Principal Mngr			Technician Training Clo Analyst Stairy Technician	Total flours	Effort	Effort	Group	orar	Grubb	opitzei	NVK	Van	Effort		
		\$185.00 \$170.00	\$165.00 \$150.00	\$160.00 \$135.00 \$130.00 \$130.00 \$95.00		<b>^</b>		<u>^</u>	<b>*</b> 1 100	<u>^</u>	<u>_</u>	<u>^</u>	•	<b>*</b> 1 100		
Management and Coordination of Transmission Pipeline (5 Contract Procurement Services	s)			20	0 20	\$ 2,600		<u>\$</u> - \$-	\$ 1,100 \$ -	<u></u>	<u>s -</u> S -	\$ - \$ -	<u>\$</u> -	\$ 1,100 \$ -	\$ 1,100 \$ 2,600	
Pre-Proposal Meeting	10	9			19	\$ 4,415		\$ -	\$ 1,628		\$ -	\$ -	\$ -	\$ 1,628		
Addenda Review Proposal Evaluation and Recommendation	10	9			19 15	\$ 4,415 \$ 4,125		<u></u> -	\$ 2,618 \$ 2,057	\$- \$-	<u>\$</u> - \$-	\$ - \$ -	<u>\$</u> - \$-	\$ 2,618 \$ 2,057	\$ 7,033 \$ 6,182	
Committee and Board Items	10	6			16	\$ 3,860		\$ -	\$ 814	\$ -	\$ -	\$ -	\$ -	\$ 814	\$ 4,674	
Execution of Contract Construction Phase Services	5	20			25	\$ 5,075 \$ -		\$- \$-	\$ 8,140 \$ -	\$ - \$ -	<u>\$</u> - \$-	\$ - \$ -	<u>\$</u> - \$-	\$ 8,140 \$ -	\$ 13,215 \$ -	
Administration	20	20			40	\$ 9,200		\$ -	\$ 4,884	\$ -	\$ -	\$ -	\$ -	\$ 4,884	\$ 14,084	
Preconstruction Meetings Monthly Construction Meetings	6	6 30			10 36	\$ 2,210 \$ 7,200		\$- \$-	\$ 1,628 \$ 8,140	\$ - \$ -	<u>\$</u> - \$-	\$ - \$ -	<u>\$</u> - \$-	\$ 1,628 \$ 8,140	\$ 3,838 \$ 15,340	
Construction Activities					0	\$-		\$ -	\$-	\$ -	\$-	\$ -	\$ -	\$ -	\$ -	
Submittals Substitutions	<u> </u>	30 5			60 10	\$ 13,800 \$ 2,300		\$- \$-	\$ 20,185 \$ 4,950	\$- \$-	<u>\$</u> - \$-	\$ - \$ -	<u>\$</u> - \$-	\$ 20,185 \$ 4,950	\$ 33,985 \$ 7,250	
Request for Information	10	10			20	\$ 4,600		\$ -	\$ 10,318		\$ -	\$ -	\$ -	\$ 10,318	\$ 14,918	
Pay Request Defective Work	10 3	20 6	+		<u> </u>	\$ 6,450 \$ 1,935		<u>\$</u> - \$-	\$ 814 \$ 3,806	\$ - \$ -	<u>\$</u> - \$-	ъ - \$ -	⇒ - \$ -	\$ 814 \$ 3,806	\$ 7,264 \$ 5,741	
Change Orders	8	16			24	\$ 5,160		\$ - ¢	\$ 1,628	\$ -	\$ -	\$ -	\$ -	\$ 1,628	\$ 6,788	
Record Drawings Commissioning			+ + +		0	<u>\$</u> - \$-		<u></u> \$- \$-	\$- \$-	\$- \$-	<u>\$</u> - \$-	ъ - \$ -	<u>\$</u> - \$-	\$ - \$ -	\$ - \$ -	
Substantial Completion					0	\$ -		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
Final Walkthrough Warranty Walkthrough		+	+		0	<u>\$</u> - \$-		» - \$ -	\$- \$-	\$- \$-	ծ - \$-	» - \$ -	ъ - \$ -	\$- \$-	\$ - \$ -	
Management and Coordination of Admin. Building and Ops. Center			<b> </b>		0	\$ -		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
Procurement Services Pre-Proposal Meeting			+		0	<u>\$</u> - \$-		\$- \$-	\$- \$-	\$ - \$ -	<u>\$</u> - \$-	\$- \$-	<u>\$</u> - \$-	\$ - \$ -	\$ - \$ -	
Addenda Review					0	\$ -		\$ -	\$ -	\$ -	<u>\$</u> -	\$-	\$ -	\$ -	\$ -	
Proposal Evaluation and Recommendation Committee and Board Items					0	<u>s</u> -		<u></u> -	\$- \$-	\$- \$-	<u>\$</u> - \$-	\$ - \$ -	<u>\$</u> - \$-	\$ - \$ -	\$ - \$ -	
Execution of Contract					0	\$ -		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
Construction Phase Services Administration					0	<u>\$</u> - \$-		\$- \$-	\$- \$-	\$- \$-	<u>\$</u> - \$-	\$ - \$ -	\$ - \$ -	\$ - \$ -	\$ - \$ -	
Preconstruction Meetings					0	\$ -		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
Monthly Construction Meetings Construction Activities					0	<u>s</u> -		\$ - \$ -	\$- \$-	\$ - \$ -	<u>\$</u> - \$-	\$ - \$ -	<u>\$</u> - \$-	\$ - \$ -	\$ - \$ -	
Submittals					0	\$-		\$-	\$-	\$ -	\$-	\$-	\$-	\$ -	\$ -	
Substitutions Request for Information					0	<u>\$</u> - \$-		\$ - \$ -	\$ - \$ -	\$ - \$ -	<u>\$</u> -	\$ - \$ -	<u>\$</u> - \$-	\$ - \$ -	s -	
Pay Request					0	\$ -		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
Defective Work Change Orders					0	<u>s -</u> s -		<u></u> -	\$- \$-	\$ - \$ -	<u>\$</u> - \$-	\$ - \$ -	<u>\$</u> - \$-	\$ - \$ -	\$ - \$ -	
Record Drawings					0	\$ -		\$ -	\$ -	\$-	\$ -	\$ -	\$ -	\$ -	\$ -	
Commissioning Substantial Completion					0	<u>s</u> -		\$ - \$ -	\$- \$-	\$ - \$ -	<u>\$</u> - \$-	\$ - \$ -	<u>\$</u> - \$-	\$ - \$ -	\$ - \$ -	
Final Walkthrough					0	\$ -		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
Warranty Walkthrough Management and Coordination of BPS & Delivery Points					0	<u>\$</u> - \$-	\$ 300	\$- \$-	\$- \$-	\$- \$-	<u>\$</u> - \$-	\$ - \$ -	\$ - \$ -	\$ - \$ -	\$ - \$ 300	
Procurement Services				10	10	\$ 1,300		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,300	
Pre-Proposal Meeting Addenda Review	2	3 3			5	\$ 1,105 \$ 1,105		\$ - \$ -	\$- \$-	\$- \$-	<u>\$</u> - \$-	\$ - \$ -	<u>\$</u> - \$-	\$ - \$ -	\$ 1,105 \$ 1,105	
Proposal Evaluation and Recommendation	3				3	\$ 825		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 825	
Committee and Board Items Execution of Contract	2	2 10			4	\$ 920 \$ 2,125		<u>\$</u> - \$-	<u>s</u> -	\$- \$-	<u>\$</u> - \$-	\$ - \$ -	<u>\$</u> - \$-	\$ - \$ -	\$ 920 \$ 2,125	
Construction Phase Services					0	\$ -		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
Administration Preconstruction Meetings	10 2	30 3	<u> </u>		40 5	\$ 8,300 \$ 1,105		\$ - \$ -	\$- \$-	\$- \$-	<u>\$</u> - \$-	\$- \$-	<u>\$</u> - \$-	\$ - \$ -	\$ 8,300 \$ 1,105	
Monthly Construction Meetings	6	18	ļ		24	\$ 4,980		\$-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 4,980	
Construction Activities Submittals	10	20	<u> </u>		0 30	\$ - \$ 6,450		\$ - \$ -	\$- \$-	\$ - \$ -	<u>\$</u> - \$-	\$- \$-	<u>\$</u> - \$-	\$ - \$ -	\$ - \$ 6.450	
Substitutions	2	2	ļ		4	\$ 920		\$-	\$ -	\$-	\$ -	\$ -	\$ -	\$ -	\$ 920	
Request for Information Pay Request	<u> </u>	5 6	+		10 9	\$ 2,300 \$ 1,935		\$ - \$ -	\$- \$-	\$- \$-	<u>\$</u> - \$-	\$- \$-	<u>\$</u> - \$-	\$- \$-	\$ 2,300 \$ 1,935	
Defective Work	1	2	<b> </b>		3	\$ 645		\$-	\$ -	\$ -	\$ -	\$ -	\$-	\$ -	\$ 645	
Change Orders Record Drawings	3	6	+		9	\$ 1,935 \$ -		\$ - \$ -	\$- \$-	\$ - \$ -	<u>\$</u> - \$-	\$ - \$ -	<u>\$</u> - \$-	\$ - \$ -	\$ 1,935 \$ -	
Commissioning			ļ		0	\$ -		\$-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
Substantial Completion Final Walkthrough		+	+		0	<u>\$</u> - \$-		\$ - \$ -	\$- \$-	\$- \$-	<u>\$</u> - \$-	» - \$ -	<u>\$</u> - \$-	\$- \$-	\$ - \$ -	
Warranty Walkthrough					0	\$ -	e	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
Management and Coordination of Elevated Storage Tanks Procurement Services			+ + +	10	0 10	\$ - \$ 1,300	\$ 100	\$ - \$ -	\$- \$-	\$- \$-	<u>\$</u> - \$-	\$- \$-	<u>\$</u> - \$-	\$- \$-	\$ 100 \$ 1,300	
Pre-Proposal Meeting	2	3			5	\$ 1,105		\$ - ¢	\$ - ¢	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,105	
Addenda Review Proposal Evaluation and Recommendation	2 3	3	+		5	\$ 1,105 \$ 825		<u></u> \$ - \$ -	\$- \$-	\$- \$-	<u>\$</u> - \$-	ъ - \$ -	<u>\$</u> - \$-	\$ - \$ -	\$ 1,105 \$ 825	
Committee and Board Items	2	2			4	\$ 920		\$ - ¢	\$ - ¢	\$ -	\$ -	\$ -	\$ -	\$ - ¢	\$ 920	
Execution of Contract Construction Phase Services	1	3	+ +		4 0	\$ 830 \$ -		<u>\$</u> - \$-	\$- \$-	\$ - \$ -	<u>\$</u> - \$-	\$- \$-	<u>\$</u> - \$-	\$- \$-	\$ 830 \$ -	
Administration			ļ		0	\$ -		\$ -	\$ -	\$-	\$ -	\$ -	\$-	\$ -	\$-	
Preconstruction Meetings Monthly Construction Meetings		+	+		0	<u>\$</u> - \$-		\$ - \$ -	\$- \$-	\$ - \$ -	<u>\$</u> - \$-	» - \$ -	<u>\$</u> - \$-	\$- \$-	\$ - \$ -	
Construction Activities			<b> </b>		0	\$ -		\$ -	\$ -	\$ -	\$ -	\$-	\$-	\$ -	\$ -	
Submittals Substitutions			<u> </u>		0	<u>\$</u> - \$-		\$ - \$ -	\$- \$-	\$ - \$ -	<u>\$</u> - \$-	\$- \$-	<u>\$</u> - \$-	\$ - \$ -	\$ - \$ -	
Request for Information					0	\$ -		\$ -	\$ -	\$ -	\$ -	\$-	\$-	\$ -	\$ -	
Pay Request Defective Work			+		0	<u>\$</u> - \$-		\$ - \$ -	\$- \$-	\$ - \$ -	<u>\$</u> - \$-	\$- \$-	<u>\$</u> - \$-	\$ - \$ -	\$ - \$ -	
Change Orders					0	\$ -		\$-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
Record Drawings					0	\$ -		\$ -	\$ -	\$ -	\$ -	\$-	\$ -	\$ -	\$ -	

						Alliance Re														ee Summary	
					Owner's	s Representative / Pr			Work Order	No. 5)									Total Effort	\$ 2,685,433	
							2/6/2021														
		-,	· · · · ·			Detailed Overall K	imley-Horr	n Cost Brea	akdown				1	, ,	· · · · · ·	1	·				
	Scope of Services																	1			
Task																					
	Project Rol	e QA/QC / Senior Mngr / Principal	Senior Tech. Avis / Deptuty Prj Mngr	Engineer GIS Spe	cialist Civil Engineer	IT Professional GIS Developer	CADD Operator / Senior Technician	r Engineering-in- Training	GIS Analyst	Administrative Staff / Technician	Total Hours	Total Labor Effort	Total Expense Effort	Foster CM Group	CP&Y Grubb	Spitzer	RVK	V&A	Total Sub Effort	Total Effort	Assumptions
	Hourly Bill Rat	e \$275.00	\$235.00 \$18	35.00 \$170	.00 \$165.00	\$150.00 \$160.00	\$135.00	\$130.00	\$130.00	\$95.00											
	Substantial Completion										0	\$ -		\$-	\$ - \$ -	\$-	\$-	\$-	\$-	\$-	
	Final Walkthrough										0	\$ -		\$-	\$ - \$ -	\$-	\$ -	\$-	\$-	\$-	
	Warranty Walkthrough										0	\$ -		\$ -	\$ - \$ -	\$-	\$ -	\$-	\$-	\$-	
	Task 16 - Project Administration											\$ 26,640	\$-	\$ 6,714			\$-	\$ 3,922	\$ 26,230		
16.1	Invoicing	12			24			12		60	108	\$ 14,520		\$ 6,714		\$ 1,360	\$-	\$ 1,045	\$ 18,029		
16.2	Project Management	24			24			12			60	\$ 12,120		\$-	\$ 5,324 \$ -	\$-	\$ -	\$ 2,877	\$ 8,201	\$ 20,321	
	Task 17 - Other Services											\$ 25,525	\$ 1,000	\$ -	\$ 52,470 \$ -	\$ -	\$ -	\$ -	\$ 52,470		
17.1	Water Quality Testing and Coordination	2									2	\$ 550		\$ -	\$ 18,854 \$ -	\$ -	\$ -	\$ -	\$ 18,854		
17.2	TCEQ Exception Request and Interconnect Submittals	5									5	\$ 1,375		\$ -	\$ 26,774 \$ -	\$ -	\$ -	\$ -	\$ 26,774		
17.3	Other design tasks as assigned by Alliance Water	40		40				40			120	\$ 23,600	\$ 1,000	\$ -	\$ 6,842 \$ -	\$ -	\$ -	\$ -	\$ 6,842	\$ 31,442	
10.1	Task 18 - Environmental Construction Phase Services										0	<del>\$</del> -	\$-	<del>\$</del> -	\$ 260,481 \$ -	<del>\$</del> -	<del>\$</del> -	<del>\$</del> -	\$ 260,481	\$ 260,481	
18.1	Pre-Construction Meeting with Contractor								<b>↓</b>		0	<u> </u>		\$ -	\$ 4,356 \$ -	\$ -	\$ -	<b>\$</b> -	\$ 4,356		
18.2	Migratory Bird Nest Survey										0	<u> </u>		\$ -	\$ 124,718 \$ -	\$ -	\$ -	\$ -	\$ 124,718		
18.3	Cultural Resources										0	<u>\$</u> -		ş -	\$ 12,496 \$ -	<u> </u>	\$ -	\$ -	\$ 12,496		
18.4	Encountered Protected Species										0	\$ -		ъ -	\$ 16,572 \$ -	\$ -	» -	» ·	\$ 16,572		
18.5	USACE Compliance and Reporting						<b> </b>		+		0	\$ -		\$ -	\$ 18,612 \$ -	\$ -	\$ -	\$ -	\$ 18,612		
18.6	Hazardous Materials On-Call										0	<u>ъ</u> -		<b>δ</b> -	\$ 83,728 \$ -	ъ -	» -	ъ -	\$ 83,728		
											Grand Total	\$ 901,550	\$ 13,400	\$ 187,895	\$ 1,018,832 \$ 48,620	\$ 490,919	\$ -	\$ 24,217	\$ 1,770,483	\$ 2,685,433	
																	L				
															\$ 926,211 \$ 44,200			\$ 22,015	SUM		
													% of Total Fee	e 6.4%					59.9%		
													10% Markup	\$ 187,895	\$ 1,018,832 \$ 48,620	\$ 490,919	\$-	\$ 24,217			

FOSTER CM

Other Utilities/Entities - Meetings

Internal Program Monthly Meetings

2.12

2.13

FOSTER CM									
	Alliance Wa	iter							
	Owners Represe	entative						Total Effort	\$
	2/5/2021								
	Detailed Overall Foster CM Gr	oup Cost	Breakdown						
	Bas	ic Service	S						
Task					Т				
	Project Role	Senior Scheduler	Document Control Specialist	Total Hour	S	Total Labor Effort	Total Expense Effort	Total Effort	
	Hourly Bill Rate	\$218.00	\$103.00						
	Task 1 - Program Management Plan Updates				\$	2,180	\$ 40	\$ 2,22	20
1.1	Communication Protocol			0	\$	-		\$-	
1.2	Document Control / Data Management Protocol			0	\$	-		\$-	
1.3	Quality Assurance Plan			0	\$	-		\$-	
1.4	Milestone Review Process Protocol			0	\$	-		\$-	
1.5	Risk Management Plan			0	\$	-		\$-	
1.6	Land Acquisition Protocol			0	\$	-		\$-	
1.7	Environmental Management Protocol			0	\$	-		\$-	
1.8	Texas Water Development Board (TWDB) Protocol			0	\$	-		\$-	
1.9	Design Management Protocol			0	\$	-		\$-	
1.10	Budget and Funding Protocol	5		5	\$	1,090			
1.11	Schedule Protocol	5		5	\$	1,090	\$ 20	\$ 1,11	10 Assume c
1.12	Reporting Protocol			0	\$	-		\$-	
1.13	Permit Management Protocol			0	\$	-		\$-	
1.14	GBRA & PAC Protocol			0	\$	-		\$-	
1.15	Procurement Protocol			0	\$	-		\$-	
1.16	Construction Protocol			0	\$	-		\$-	
1.17	PMP Appendices			0	\$	-		\$-	
					•	10.101	<b>•</b> 100	<b>• • • •</b>	
0.4	Task 2 - Stakeholder Coordination           Otable balder Martification			0	\$	10,464	<b>\$</b> 100		)4
2.1 2.2	Stakeholder Identification			0	\$	-		\$ -	
	Initial and/or Ongoing Coordination Executive Director			0	\$	-		\$ -	
2.2.1				0	\$	-		\$ -	
2.2.2	Technical Committee and Board			0	\$	-		\$ -	
2.2.3	PAC Other Alliance Water Consulting Services			0	\$	-		\$ -	
2.2.4	Texas Commission on Environmental Quality			0	\$	-		\$- \$-	
2.2.5				0	\$	-			
2.2.6 2.2.7	Texas Department of Transportation Union Pacific Railroad			0	\$ \$	-		\$- \$-	
2.2.7	Counties (Hays, Caldwell, Guadalupe)			0	э \$	-		\$ -	
2.2.8	Cities (Kyle, San Marcos, Uhland, Lockhart, Maxwell, others)			0	φ \$	-		\$ -	
2.2.9	GBRA and/or its Consultants			0	э \$	-		\$ -	
2.2.10	Other Utilities/Entities			0	φ \$	-		\$ -	
2.2.11	Alliance Water Executive Director coordination meetings			0	э \$	-		\$ -	
2.3	Alliance Water Technical Committee and Board Meetings			0	э \$			\$ -	
2.4	PAC Meetings			0	э \$			\$ -	
2.5	Other ARWA Consulting Services - as part of Coor. Mtg. with ED.			0	э \$	-		\$ -	
2.0	Texas Commission on Environmental Quality - Meetings			0	э \$	-		\$ -	
2.7	Texas Department of Transportation - Meetings			0	э \$			\$ -	
2.8	Union Pacific Railroad - Meetings			0	φ \$	-		\$ -	
2.9	Counties - Meetings			0	э \$	-		\$ -	
2.10	Cities - Meetings			0	э \$			\$ -	
2.11	Other Utilities/Entities - Meetings			0	Ф \$	-		ъ с	
6.16				a 11		-	-		

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10,464 \$

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	170,814
Assumptions	
one meeting at Kimley-Horn	
one meeting at Kimley-Horn	

Project Fee Summary

10,564 4 hours per month for 12 months; Allowance for mileage

FOSTER CM

6.3 6.3.1

6.4

Interactive Web-based GIS

Deliverables

Perform ongoing incorporation of data within ArcGIS

FOSTER C	M								
	Alliance Wa	ater							
	Owners Repres	entative						Total Effort	\$
	2/5/2021								
	Detailed Overall Foster CM Gr	roup Cost	Breakdown						-
		•						•	
	Bas	sic Service	S						
Task									1
	Project Role	Scheduler	Document Control Specialist	Total Hours	т	otal Labor Effort	Total Expense Effort	Total Effort	
	Hourly Bill Rate	\$218.00	\$103.00						
	Task 3 - Budgeting				\$	76,736	\$ 210		
3.1	Perform Monthly Budget Updates	306		306	\$	66,708		\$ 66,708	
3.1.1	Track costs to the Phase 1B Program vs. the anticipated budget			0	\$	-		\$ -	move to
3.1.2	Coordinate with applicable parties to receive current OPCC data			0	\$	-		\$ -	in cons
3.1.3	Identify budget deviations and coordinate with applicable parties			0	\$	-		\$ -	-
3.2	Prepare Budget Updates			0	\$	-	¢ 040	\$ -	
3.2.1	Executive Director (Monthly)	22		22	\$	4,796	\$ 210		
3.2.2	Alliance Water Board and Technical Committee (Quarterly)	8		8	\$	1,744 1,744		\$ 1,744	
3.2.3	PAC (Quarterly)	8		8	\$	1,744		\$ 1,744 \$ 1,744	
3.2.4 3.2.5	TWDB (Quarterly) Public (Quarterly)	8		8	\$ \$	1,744		٠	-
3.2.5	Program Cost Evaluation			0	э \$			\$- \$-	-
3.3				0	Φ	-		φ -	-
	Task 4 - Schedule				\$	52,320	\$-	\$ 52,320	28 hours pe
4.1	Perform Monthly Schedule Updates	240		240	\$	52,320	φ -	\$ 52,320	move t
4.1.1	Coordinate with applicable parties to obtain current schedules	240		0	\$	- 52,520		\$ 52,320	mover
4.1.2	Identify schedule deviations and coordinate with applicable parties			0	\$			\$ -	-
4.1.3	Special updates will be performed when critical info becomes known			0	\$	_		\$ -	-
4.2	Prepare Schedule Updates			0	\$	-		\$ -	-
4.2.1	Executive Director (Monthly)			0	\$	-		\$ -	-
4.2.2	Alliance Water Board and Technical Committee (Quarterly)			0	\$	_		\$-	-
4.2.3	PAC (Quarterly)			0	\$	_		\$-	-
4.2.4	TWDB (Quarterly)			0	\$	-		\$-	-
4.2.5	Public (Quarterly)			0	\$	-		\$-	
4.3	Program Schedule Evaluation			0	\$	-		\$-	
	Task 5 - Reporting				\$	-	\$-	\$-	
	Task 6 - Data Management				\$	22,660	\$-	\$ 22,660	28 hours pe
6.1	Overall Data Management		160	160	\$	16,480		\$ 16,480	move to c
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	\$	-		\$ -	1
6.1.6	Review supporting documents for conformance with PMP			0	\$	-		\$ -	1
6.1.7	Maintain project records			0	\$	-		\$ -	
6.1.8	Maintain change management logs, RFI logs, RFP logs, Submittal logs			0	\$	-		\$ -	_
6.1.9	Perform internal audits for quality assurance of overall documents			0	\$	-		\$ -	_
6.2	Microsoft SharePoint		60	60	\$	6,180		\$ 6,180	<b>_</b>
6.2.1	Perform ongoing data management of documents within SharePoint			0	\$	-	I	\$ -	1
63	Interactive Web-based (-1S	1	1	0	¢	_		<b>S</b>	

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Pro	ject	Fee	Summary	
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170,814

#### Assumptions

rs per month March through July then reducing as projects ve to construction, ending at 12 hours per mo. with everything construction.

e quarterly reports plus two meetings with travel and mileage

rs per month March through June, then reducing as projects over to construction, ending at 9 hours per month in February

rs per month March through June, then reducing as projects to construction, ending with 8 hours per month in February FOSTER CM

16.1

16.2

Task 11 - Engineering Design Management

Task 15 - Procurement and Construction Phase Services

Task 18 - Environmental Construction Phase Services

Task 12 - Quality Assurance

Invoicing

Project Management

Task 17 - Other Services

Task 13 - Electrical Power Planning

Task 16 - Project Administration

Task 14 - Permit Coordination/Tracking

	Alliance Wa	iter						
	Owners Represe	entative					Total Effort	\$
	2/5/2021							
	Detailed Overall Foster CM Gr	oup Cost E	Breakdown					
		-					-	
	Bas	ic Services	5					
Task								
	Project Role	Senior Scheduler	Document Control Specialist	Total Hours	Total Labor Effort	Total Expense Effort	Total Effort	
	Hourly Bill Rate	\$218.00	\$103.00					
6.4.1	Hard copy deliverable to be provided to Alliance Water			0	\$-		\$-	
6.4.1.1	Meeting Agendas			0	\$-		\$-	
6.4.1.2	Program status reports			0	\$-		\$-	
6.4.1.3	Copies of the PMP			0	\$-		\$-	
6.4.1.4	Exhibits			0	\$-		\$-	
	Task 7 - Environmental Management				\$-	\$-	\$-	
	Task 8 - Land Acquisition Management				\$-	\$-	\$-	
	Task 9 - Texas Water Development Board Management				\$-	\$-	\$-	
	Task 10 - Design Standards Updates				\$-	\$-	\$-	

28

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6,104

6,104

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170,464 \$

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350 \$

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28

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Grand Total

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6,104

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170,814

Project Fee Summary	
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170,814

Assumptions 6,104 Three hours per mo. March through June, then reducing to 2 hours per month.

CP&Y													
			Alliance Wate										Project Fee Summary
			Owners Represen 2/5/2021	tative								Total Effort	\$ 926,211
			Detailed Overall CP&Y Cos	st Breakdowr									
			Basic	Services									
Task			Basic	Services	1				1				
		Project Role QA/QC / Senior Mngr / Principal Mngr Mngr		Civil Engineer	Senior CADD Biologist Senior Technician	Engineering- in-Training Biologist	GIS Analyst	ministrative Staff / rechnician Archeologist Senior Historian	Total Hours	Total Labor Effort	Total Expense Effort	Total Effort	Assumptions
		Hourly Bill Rate \$275.00 \$235.00 \$225.00	\$200.00 \$185.00 \$170.00	\$165.00	\$165.00 \$135.00	\$130.00 \$120.00	\$130.00	\$95.00 \$85.00 \$110.00		¢	¢	¢	
	Task 1 - Program Management Plan Updates Task 2 - Stakeholder Coordination									\$ - \$ 65,800	\$ - \$ 1,000	\$ - \$ 66,800	
2.1	Stakeholder Identification								0	\$-		\$-	
2.2	Initial and/or Ongoing Coordination Executive Director								0	\$- \$-		<del>\$</del> -	
2.2.2	Technical Committee and Board	4							4	\$ 940		\$ 940	
2.2.3 2.2.4	PAC Other Alliance Water Consulting Services	12							12 0	\$ 2,820 \$ -		\$ 2,820 \$ -	
2.2.5	Texas Commission on Environmental Quality								0	\$-		\$ -	
2.2.6 2.2.7	Texas Department of Transportation Union Pacific Railroad								0	\$- \$-		\$- \$-	
2.2.8	Counties (Hays, Caldwell, Guadalupe)								0	÷ -		\$ -	
2.2.9 2.2.10	Cities (Kyle, San Marcos, Uhland, Lockhart, Maxwell, others) GBRA and/or its Consultants								0	\$- \$-		\$- \$-	
2.2.11	Other Utilities/Entities								0	\$-		\$-	
2.3 2.4	Alliance Water Executive Director coordination meetings Alliance Water Technical Committee and Board Meetings	24	40	24	40				128 0	\$ 23,600 \$ -	\$ 200	\$ 23,800 \$ -	
2.5	PAC Meetings	12							12	\$ 2,820	\$ 200	\$ 3,020	
2.6	Other ARWA Consulting Services - as part of Coor. Mtg. with EI Texas Commission on Environmental Quality - Meetings	8		8					0 16	\$ - \$ 3,200		\$ - \$ 3,200	
2.8	Texas Department of Transportation - Meetings		12	Ū		12			24	\$ 3,780		\$ 3,780	
2.9 2.10	Union Pacific Railroad - Meetings Counties - Meetings		16			16			0 32	\$- \$5,040	\$ 200	\$ - \$ 5,240	
2.11	Cities - Meetings					10			0	\$ -		\$-	
2.12	Other Utilities/Entities - Meetings Internal Program Monthly Meetings	24	40	24	40				0 128	\$ - \$ 23,600	\$ 200 \$ 200	\$ 200 \$ 23,800	
2.15		27		24	40				120	φ 23,000	φ 200	φ 23,000	
	Task 3 - Budgeting Task 4 - Schedule									<del>\$-</del> \$-	\$ - \$ -	<del>\$-</del> \$-	
	Task 5 - Reporting									\$ -	\$-	\$ -	
	Task 6 - Data Management Task 7 - Environmental Management									\$- \$62,700	<u>\$</u> -	\$- \$62,700	
7.1	Perform regular coordination with Env. Cons.				32				32	\$ 5,280	÷	\$ 5,280	
7.2 7.2.1	Ongoing agency coordination United States Army Corps of Engineers (USACE)				12				0	\$- \$1,980		\$- \$1,980	
7.2.2	Texas Parks and Wildlife Department (TPWD)				8				8	\$ 1,320		\$ 1,320	
7.2.3 7.3	Local floodplain administrators Assist with the review of Env. Cons. monthly invoices				12				0 12	\$- \$1,980		\$- \$1,980	
7.4 7.5	Continuous tracking of Env. Cons. Scope of work & amendment Perform as-needed site visits with Env Cons. during Field Study	5			36 8				36 8	\$ 5,940 \$ 1,320		\$ 5,940 \$ 1,320	
7.6	Coordinated site visits with those identified in Task 8 and 11				4				4	\$ 1,320 \$ 660		\$ 1,320 \$ 660	
7.7	Review and comment on Environmental Permitting Documents USACE				60				0 60	\$- \$9,900		\$- \$9,900	
7.7.2	TPWD				32				32	\$ 5,280		\$ 5,280	
7.7.3 7.7.4	United States Fish and Wildlife Service (USFWS) Texas Historical Commission (THC)				32 40	<u>                                      </u>		12	32 52	\$ 5,280 \$ 7,920		\$ 5,280 \$ 7,920	
7.8	Review and comment on TWDB deliverables by Env. Cons.				48			12	48	\$ 7,920		\$ 7,920	
7.9 7.10	Other Environmental Services as defined by Alliance Water Environmental Agency meetings (USACE, USFWA, TPWD, THO	2)			32 8		-		32	\$ 5,280 \$ 1,320		\$ 5,280 \$ 1,320	
7.10	Environmental Consultant Team progress meetings	·/			8				8	\$ 1,320 \$ 1,320		\$ 1,320 \$ 1,320	
	Task 8 - Land Acquisition Management									\$-	\$ -	\$ -	
	Task 9 - Texas Water Development Board Management									\$ 63,780	\$ -	\$ 63,780	
9.1 9.2	Identify milestone deliverables and provide feedback on CP sche Review TWDB deliverables for conformance to TWDB requirement			24 120		16 60			40 180	\$ 6,040 \$ 27,600		\$ 6,040 \$ 27,600	
9.3	Perform regular coordination with the TWDB to discuss ongoing			60		8			68	\$ 10,940		\$ 10,940	
9.4 9.5	Prepare fund release request letters for submission to TWDB TWDB progress meeting			40 48		16 20			56 68	\$ 8,680 \$ 10,520		\$ 8,680 \$ 10,520	
				-							•		
10.1	Task 10 - Design Standards Updates           Development of Design Standards, Specifications, and Details								0	\$ <u>12,280</u> \$-	<b>\$</b> -	\$ 12,280 \$ -	
10.1.1	Transmission Pipelines and Delivery Points Design Stds Fina	lize	16						16	\$ 2,960		\$ 2,960	
10.1.2 10.1.3	Preparation of Standard Specifications for Const Finalize Preparation of Standard Details - Finalize		16						0 16	\$- \$2,960		\$- \$2,960	
10.1.4	Pipeline Corrosion Protection Standards Facility General Electrical Standards			-					0	\$ -		\$-	
10.1.6	Telemetry, Instrumentation & Controls, SCADA, and Security S	tandards							0	\$- \$-		\$- \$-	
10.1.5.1	Fiber Optic Standards								0	\$- ¢		\$ -	
10.1.5.2 10.1.5.3									0	\$- \$-		<del>\$</del> -	
10.1.5.4	Security Standards								0	\$-		\$ -	
10.2 10.3	Master Specifications - Finalize Record Drawings (Plans & GIS)								0	\$- \$-		\$- \$-	
10.4 10.5	Address comments from Design Consultant Teams and Finalize Standards Review Meeting	8 8	8	8					32 0	\$ 6,360 \$ -		\$ 6,360 \$ -	
10.5									U	φ -		φ -	
		· · · · · · · · · · · · · · · · · · ·		-					-				

CP&Y										
			Iliance Water							Project Fee Summary
		Owne	rs Representative 2/5/2021						Total Effort	\$ 926,211
		Detailed Over	all CP&Y Cost Breakdown	ı						
Test			Basic Services							
Task	Senior Tech.	Senior Senior		CADD		Administrative			otal	
	Project Role Water / Senior Avis / Deptuty Prj	Instrumentation / Environmental Senior Engineer	GIS Specialist Civil Engineer	Senior Operator / Engineering Biologist Senior in-Training	Biologist GIS Analys	st Staff / Archeologist Historian	Total Hours	Fffort Ex	pense Total Effort	Assumptions
	Hourly Bill Rate         \$275.00         \$235.00	Engineer	\$170.00 \$165.00	Technician		Technician         Historian           0         \$95.00         \$85.00         \$110.00		Ellort	ffort	
	Task 11 - Engineering Design Management         5235.00	\$223.00 \$200.00 \$183.00	\$170.00 \$105.00	\$105.00 \$155.00 \$150.00	\$120.00 \$130.00	5 \$95.00 \$85.00 \$110.00		\$ 144,160 \$	- \$ 144,160	
11.1	Management and Coordination of Hydrogeology/Well Drilling						0	\$ -	\$ -	
	Identify early actions required Assist with the development and review of project scope for the DC						0	\$ - ¢	<u>\$</u> - \$-	
	Assist with the review of proposed LOE developed by the DC						0	\$ -	\$ -	
	Assist with the review of Design Consultants monthly invoices 1	6					7	\$ 1,345	\$ 1,345	
	Perform regular coordination with the DC to discuss ongoing tasks Perform as-needed site visits with Design Consultants						0	\$- \$-	<u> </u>	
	Review/Comment on TWDB EFR deliverables prepared by DC						0	\$ -	\$ -	
	Review/Comment on milestone submittals prepared by DC Review/Comment on OPCC's prepared by DC						0	\$ - \$ -	<u>\$</u> -	
	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 Assist with the development and review of project scope for the DC	4					0 4	\$- \$740	\$ - \$ 740	
	Assist with the review of proposed LOE developed by the DC	2					2	\$ 370	\$ 370	
	Assist with the review of Design Consultants monthly invoices 1 Perform regular coordination with the DC to discuss ongoing tasks	12			<u> </u>		13	\$ 2,455 \$ -	\$ 2,455 \$ -	
	Perform as-needed site visits with Design Consultants						0	\$-	\$ -	
	Review/Comment on TWDB EFR deliverables prepared by DC	8		4			12	\$ 2,000	\$ 2,000	
	Review/Comment on milestone submittals prepared by DC         2           Review/Comment on OPCC's prepared by DC         1	20		2			22	\$ 4,170 \$ 1,235	\$ 4,170 \$ 1,235	
	Other Design-related services as assigned by Alliance Water						0	\$ -	\$ -	
11.3	Management and Coordination of WTP and HSPS Identify early actions required						0	\$- \$-	<u>\$</u> -	
	Assist with the development and review of project scope for the DC 8						8	\$ 1,880	\$ 1,880	
	Assist with the review of proposed LOE developed by the DC 2		4				6	\$ 1,130	\$ 1,130	
	Assist with the review of Design Consultants monthly invoices 12 Perform regular coordination with the DC to discuss ongoing tasks 12		16				12 28	\$ 2,820 \$ 5,460	\$ 2,820 \$ 5,460	
	Perform as-needed site visits with Design Consultants		10				0	\$ -	\$ -	
	Review/Comment on TWDB EFR deliverables prepared by DC           Review/Comment on milestone submittals prepared by DC         8		8				0 16	\$- \$3,200	\$- \$3,200	
	Review/Comment on milestone submittals prepared by DC         8           Review/Comment on OPCC's prepared by DC         4		8				18	\$ 2,260	\$ 3,200	
	Other Design-related services as assigned by Alliance Water 4	4	8	8			24	\$ 4,200	\$ 4,200	
11.4	Management and Coordination of Transmission Pipeline (5 Contracts) Identify early actions required						0	\$- \$-	<u> </u>	
	Assist with the development and review of project scope for the DC	8					8	\$ 1,480	\$ 1,480	
	Assist with the review of proposed LOE developed by the DC Assist with the review of Design Consultants monthly invoices 2	4 24					4 26	\$ 740 \$ 4,910	\$ 740 \$ 4,910	
	Perform regular coordination with the DC to discuss ongoing tasks 24	220		120			364	\$ 61,940	\$ 61,940	
	Perform as-needed site visits with Design Consultants Review/Comment on TWDB EFR deliverables prepared by DC	10					0	\$ -	\$ -	
	Review/Comment on TWDB EFR deliverables prepared by DC 4	16 60		20			16 84	\$ 2,960 \$ 14,640	\$ 2,960 \$ 14,640	
	Review/Comment on OPCC's prepared by DC 3	12		12			27	\$ 4,485	\$ 4,485	
11.5	Other Design-related services as assigned by Alliance Water         8           Management and Coordination of Admin. Building and Ops. Center         8	40		40			88	\$ 14,480 \$	\$ 14,480	
11.6	Management and Coordination of BPS & Delivery Points						0	\$-	\$ -	
11.7 11.8	Management and Coordination of Elevated Storage Tanks						0	\$ -	\$ -	
11.8 11.9	Management and Coordination of Program Survey Commissioning Planning				+		0	\$- \$-	\$ - \$ -	
11.10	Consultant Design Teams progress meetings				ļ		0	\$-	\$ -	
11.10.1 11.10.2	Hydrogeology / Well Drilling Raw Water Facilities	4			+		0 4	\$- \$740	\$- \$740	
11.10.3	WTP / HSPS	4	4				8	\$ 1,560	\$ 1,560	
11.10.4 11.10.5	Pipelines Administrative Building and Operations Center	16			<u> </u>		16 0	\$ 2,960	\$ 2,960	
11.10.5 11.10.6							0	\$- \$-	\$ -	
11.10.7	Elevated Storage Tanks						0	\$ -	\$ -	
11.10.8	Program Survey						0	\$-	\$ -	
	Task 12 - Quality Assurance							\$ 4,960 \$	- \$ 4,960	
12.1 12.2	Review the QA/QC Plans prepared by the Consultants based on PMP         4           Perform regular coordination with all Consultants on QA/QC imp.         4	4	4		<u> </u>		8	\$ 1,600 \$ 1,680	\$ 1,600 \$ 1,680	
12.2	Perform regular coordination with all consultants on QA/QC imp.         4           Review/Receive QA/QC documentation from Consultants         4	4					8	\$ 1,680 \$ 1,680	\$ 1,680	
	Task 42 Electrical Deves Dispring							¢	¢	
	Task 13 - Electrical Power Planning Task 14 - Permit Coordination/Tracking							\$-\$ \$38,040	- \$ - - \$ 38,040	
14.1	Perform regular coordination with Consultants	40		40			80	\$ 12,600	\$ 12,600	
14.2 14.3	Incorporate permit updates from Consultants into master tracking list Management of Permit Submittal	4 16		16	<u> </u>		20 28	\$ 2,820 \$ 4,520	\$ 2,820 \$ 4,520	
14.3.1	TCEQ 8	01		24			32	\$ 5,000	\$ 5,000	
14.3.2	TxDOT – Design Consultants	24					24	\$ 4,440	\$ 4,440	
14.3.3 14.3.4	UPRR Counties (Hays, Caldwell, Guadalupe)	20			+ +		0 20	\$- \$3,700	\$ - \$ 3,700	
14.3.5	Cities (Kyle, San Marcos, Uhland, Lockhart, Maxwell, others)	8					8	\$ 1,480	\$ 1,480	
14.3.6	Private utilities	16		4			20	\$ 3,480	\$ 3,480	

CP&Y																		
						lliance Wate												Project Fee Summary
					Owner	rs Represen 2/5/2021	tative										Total Effort	\$ 926,2*
					Detailed Overa		st Breakdowr	1										
					20tallou e tore			•										
						Basic	Services											
Task																		
		Broiset Bole QA/QC / Senior	Senior rech.	enior Senior nentation /			Civil Excision	CADD Senior Operator /	Engineering-	CIC Asshut	Administrative Staff /	Apphagia	Senior	Total Hours	Total Labor	Total	Total Effort	Accumptions
		Project Role QA/QC / Senior Mngr / Principal	Mogr El	ectrical gineer Environme	ental Senior Engineer er	GIS Specialist	Civil Engineer	Senior Operator / Biologist Senior Technician	Engineering- in-Training Biologist	GIS Analyst	Technician	Archeologist	Historian	Total Hours	Effort	Expense Effort	Total Effort	Assumptions
		Hourly Bill Rate \$275.00		25.00 \$200.0	00 \$185.00	\$170.00	\$165.00	\$165.00 \$135.00	\$130.00 \$120.00	\$130.00	\$95.00	\$85.00	\$110.00					
	Task 15 - Procurement and Construction Phase Services												Г Г		\$ 235,070	\$ 2,500	\$ 237,570	
15.1	Management and Coordination of Hydrogeology/Well Drilling													0	\$ -		\$ -	
10.1	Procurement Services													0	\$ -		\$ -	
	Pre-Proposal Meeting													0	\$-		\$-	
	Addenda Review													0	\$ -		\$ -	
	Proposal Evaluation and Recommendation Committee and Board Items													0	<del>\$</del> -		<del>\$</del> -	
	Execution of Contract													0	\$-		\$ -	
	Construction Phase Services													0	\$ -		\$ -	
	Administration Preconstruction Meetings				20			+			+		<u>                                      </u>	20	\$ 3,700 \$ -		\$ 3,700 \$ -	
	Monthly Construction Meetings													0	ş - \$ -		ş - \$ -	
	Construction Activities													0	\$-		\$-	
	Submittals							<u>                                      </u>						0	\$-		\$-	
	Substitutions Request for Information							+					<u> </u>	0	\$- \$-		\$- \$-	
	Pay Request				4									4	\$ 740		\$ 740	
	Defective Work													0	\$ -		\$ -	
	Change Orders				2									2	\$ 370 \$ 370		\$ 370	
	Record Drawings Commissioning				2									2	\$ 370		\$ 370 \$ -	
	Substantial Completion													0	\$-		\$-	
	Final Walkthrough				4									4	\$ 740		\$ 740	
15.2	Warranty Walkthrough	- 1=f												0	\$ -	¢ 500	\$-	
15.2	Management and Coordination of Well Pumps and Raw Water Procurement Services	r Inf.												0	<del>\$</del> -	\$ 500	\$ 500 \$ -	
	Pre-Proposal Meeting				4									4	\$ 740		\$ 740	
	Addenda Review				4									4	\$ 740		\$ 740	
	Proposal Evaluation and Recommendation Committee and Board Items				2									2	\$ 370 \$ 370		\$ 370 \$ 370	
	Execution of Contract				2									2	\$ 370		\$ 370	
	Construction Phase Services													0	\$-		\$-	
	Administration				12									12	\$ 2,220		\$ 2,220	
	Preconstruction Meetings Monthly Construction Meetings				4 24									4 24	\$ 740 \$ 4,440		\$ 740 \$ 4,440	
	Construction Activities				24									0	\$ -		\$ -	
	Submittals		6	8	32	8			8					62	\$ 11,530		\$ 11,530	
	Substitutions Request for Information			8	20									0 28	\$- \$5,500		\$- \$5,500	
	Pay Request			0	18									18	\$ 3,330		\$ 3,330	
	Defective Work		4	8	8	8			8					36	\$ 6,620		\$ 6,620	
	Change Orders				16									16	\$ 2,960		\$ 2,960	
	Record Drawings Commissioning													0	\$- \$-		\$- \$-	
	Substantial Completion													0	ş - \$ -		ş - \$ -	
	Final Walkthrough													0	\$ -		\$ -	
15.0	Warranty Walkthrough													0	\$-	<b>•</b> • • • • • •	\$ -	
15.3	Management and Coordination of WTP and HSPS Procurement Services							+		+	+			0	<del>\$</del> -	\$ 1,000	\$ 1,000 \$ -	
	Pre-Proposal Meeting		2	4										6	\$ 1,370		\$ 1,370	
	Addenda Review		8	8		4	16		8					44	\$ 8,040		\$ 8,040	
	Proposal Evaluation and Recommendation Committee and Board Items		4 24				4	<u> </u>		+				8 24	\$ 1,600 \$ 5,640		\$ 1,600 \$ 5,640	
	Execution of Contract		4						8	1				12	\$ 5,640 \$ 1,980		\$ 5,640 \$ 1,980	
	Construction Phase Services													0	\$-		\$-	
	Administration			8			16	<u> </u>	 					36	\$ 7,260		\$ 7,260	
	Preconstruction Meetings Monthly Construction Meetings		2 24	24			4 40	+		+				6 88	\$ 1,130 \$ 17,640		\$ 1,130 \$ 17,640	
	Construction Activities						-10	<u>                                      </u>						0	\$-		\$-	
	Submittals			80		80	24							192	\$ 37,440		\$ 37,440	
	Substitutions Request for Information			24 40		40	16 24	+		+				48 120	\$ 9,920 \$ 23,520		\$ 9,920 \$ 23,520	
	Pay Request		10			40	24			+				0	\$		\$	
	Defective Work													0	\$ -		\$-	
	Change Orders		4	16		16	8							44	\$ 8,580		\$ 8,580	
	Record Drawings Commissioning							+					<u> </u>	0	\$- \$-		\$- \$-	
	Substantial Completion									1				0	\$- \$-		\$- \$-	
	Final Walkthrough													0	\$-		\$ -	
	Warranty Walkthrough							<u>                                      </u>		+	+			0	\$-		\$-	
15.4	Management and Coordination of Transmission Pipeline (5 Co	ntracts)												0	\$-	\$ 1,000	\$ 1,000	
	Procurement Services													0	\$-		\$-	
	Pre-Proposal Meeting				8									8	\$ 1,480		\$ 1,480	

CP&Y																		
						Iliance Wate												Project Fee Summary
					Owne	rs Represer	ntative										Total Effort	\$ 926,211
						2/5/2021												
					Detailed Over	all CP&Y Co	st Breakdown											
				1		Basio	c Services			· ·					•			
Task																		
		QA/QC / Senior	Senior Tech.	Senior Instrumentation /	Senior		Se	enior Oper	ADD rator / Engineering-		/	Administrative	Senior		Total Labor	Total		
	Project Rol	e QA/QC / Senior Mngr / Principal	Avis / Deptuty Prj Mngr	Electrical	Environmental Senior Engineer Manager	GIS Specialist	Civil Engineer Biol	enior Oper logist Ser	enior Engineering- in-Training	Biologist GIS	Analyst	Staff / Archeologist Technician	Historian	Total Hour	s Effort	Expense Effort	Total Effort	Assumptions
	Hourly Bill Rat	\$275.00		Engineer \$225.00	-	\$170.00	\$165.00 \$16		nnician	£120.00 £1	20.00	\$95.00 \$85.00	\$110.00			Effort		
	Addenda Review	e \$275.00	\$235.00	\$225.00 4		\$170.00	\$105.00 \$10	5.00 \$13	5.00 \$130.00	\$120.00 \$1	30.00	\$95.00 \$85.00	\$110.00	12	\$ 2,380		\$ 2,380	
-	Proposal Evaluation and Recommendation			2	8	4								12	\$ 2,380		\$ 1,870	
-	Committee and Board Items			2	4	4								4	\$ 740		\$ 740	
	Execution of Contract				40									40	\$ 7.400		\$ 7,400	
	Construction Phase Services				40									40	\$ 7,400	·	\$ 7,400	
	Administration				24						-			24	\$ 4.440		\$ 4.440	1
	Preconstruction Meetings				8						-			8	\$ 1.480		\$ 1,480	
	Monthly Construction Meetings	1			40									40	\$ 7,400		\$ 7,400	
	Construction Activities	1				1								0	\$ -	1	\$ -	
	Submittals		2	40	24	20			8					94	\$ 18,350	)	\$ 18,350	
	Substitutions			20										20	\$ 4,500		\$ 4,500	
	Request for Information			20	8	20								48	\$ 9,380	)	\$ 9,380	)
	Pay Request				4									4	\$ 740	)	\$ 740	)
	Defective Work		4		8				8					20	\$ 3,460		\$ 3,460	
	Change Orders				8									8	\$ 1,480	)	\$ 1,480	
	Record Drawings													0	\$-		\$ -	
	Commissioning													0	\$-		\$-	
	Substantial Completion													0	\$-		\$-	
	Final Walkthrough													0	\$ -		\$-	
	Warranty Walkthrough													0	\$ -		\$ -	
15.5	Management and Coordination of Admin. Building and Ops. Center													0	\$ -		\$ -	
15.6	Management and Coordination of BPS & Delivery Points													0	\$ -	_	\$ -	
15.7	Management and Coordination of Elevated Storage Tanks													0	\$-	_	\$-	
15.8	Management and Coordination of Program Survey													0	\$-		\$-	
																-		
	Task 16 - Project Administration														\$ 11,420	¢	\$ 11,420	
16.1	Insk 16 - Project Administration		12		8							24		44	\$ 11,420 \$ 6,580		\$ 11,420	
16.1	Project Management	+	8		16							24		24	\$ 6,380		\$ 4,840	
10.2	r rojoot managoritetit		0		10									24	ψ +,040	·	ψ +,040	
	Task 17 - Other Services														\$ 46,200	\$ 1,500	\$ 47,700	
17.1	Water Quality Testing and Coordination		8		16		40		40					104	\$ 16,640			
17.2	TCEQ Exception Request and Interconnect Submittals	1	24			1	40		60			40		164	\$ 23,840			
17.3	Other design tasks as assigned by Alliance Water	1	8		8		8		8			-		32	\$ 5,720			
	Task 18 - Environmental Construction Phase Services														\$ 138,400		\$ 236,801	
18.1	Pre-Construction Meeting with Contractor						2	24						24	\$ 3,960		\$ 3,960	
18.2	Migratory Bird Nest Survey							40		360	16			716	\$ 101,380			CP&Y effort
18.3	Cultural Resources						1	16				8		24	\$ 3,400	\$ 7,960	\$ 11,360	
18.4	Encountered Protected Species							20				8		28	\$ 4,060			
18.5	USACE Compliance and Reporting	-						40		60	24			124	\$ 16,920		\$ 16,920	
18.6	Hazardous Materials On-Call						4	48				8		56	\$ 8,680	, , , ,		Braun shown in Expense. CPY hours for sub management.
														Grand Total	\$ 822.810	\$ 103.401	\$ 926,211	

GRUBB

	Total Effort	<b>^</b>
		\$
2/5/2021		
Detailed Overall Grubb Cost Breakdown		

		Basic Ser	vices									
Task						1				Т		
	Project Role	QA/QC / Senior Mngr / Principal	Senior Engineer	Administrativ e Staff / Technician	Total Hours	Т	otal Labor Effort	Ex	Fotal pense Effort		Total Effort	
	Hourly Bill Rate	\$275.00	\$185.00	\$95.00								
	Task 1 - Program Management Plan Updates					\$	-	\$	-	\$	-	
	Task 2 - Stakeholder Coordination					\$	-	\$	-	\$	; -	
	Task 3 - Budgeting					\$	-	\$	-	\$	; -	
	Task 4 - Schedule					\$	-	\$	-	\$	; -	
	Task 5 - Reporting					\$	-	\$	-	\$	; -	
	Task 6 - Data Management					\$	-	\$	-	\$	; -	
	Task 7 - Environmental Management					\$	-	\$	-	\$	; -	
	Task 8 - Land Acquisition Management					\$	-	\$	-	\$	; -	
	Task 9 - Texas Water Development Board Management					\$	-	\$	-	\$	; -	
	Task 10 - Design Standards Updates					\$	-	\$	-	\$	; -	
	Task 11 - Engineering Design Management					\$	-	\$	-	\$	; -	
	Task 12 - Quality Assurance					\$	-	\$	-	\$	; -	
	Task 13 - Electrical Power Planning					\$	42,680	\$	-	\$	42,680	
13.1	Perform Prelim. Analyses to determine approx. demand and energy	18	12	4	34	\$	7,550			\$	5 7,550	
13.2	Develop a strategy for cont., gathering system quality, and reliability data	8	4	1	13	\$	3,035			\$	3,035	
13.3	Coordination with Electrical Service Providers to evaluate costs	20	12	2	34	\$	7,910			\$	5 7,910	
13.4	Assist Alliance Water with negotiations on the electrical supply agr.	36	20	3	59	\$	13,885			\$	13,885	
13.5	Assist Alliance Water by defining special equipment needs	8	2		10	\$	2,570			\$	2,570	
13.6	Alliance Water and Electrical Service Providers Coord. Meetings	20	10	4	34	\$	7,730			\$	5 7,730	
	· · · · · · · · · · · · · · · · · · ·											
	Task 14 - Permit Coordination/Tracking					\$	-	\$	-	\$	; -	
	Task 15 - Procurement and Construction Phase Services					\$	-	\$	-	\$	; -	
	Task 16 - Project Administration					\$	1,520	\$	-	\$	5 1,520	
16.1	Invoicing			16	16	\$	1,520			\$	5 1,520	
16.2	Project Management				0	\$	-			\$	; -	
	Task 17 - Other Services					\$	-	\$	-	\$	; -	
	Task 18 - Environmental Construction Phase Services					\$	-	\$	-	\$	; -	
					Grand Total	\$	44,200	\$	-	\$	44,200	

Project Fee Summary

44,200

Assumptions

SPITZER

### Alliance Water **Owners Representative** 2/5/2021 Detailed Overall Spitzer Cost Breakdown

Total Effort

		Basic Ser	vices							
Task	Project Role	Property Acquisition Manager	Acquisition Specialist	Document Control Specialist	Total Hours	т	otal Labor Effort	Total Expense Effort	То	tal Effort
	Hourly Bill Rate	\$221.00	\$116.00	\$103.00				Lineit		
	Task 1 - Program Management Plan Updates	<b><i><i>q</i></i>__</b>	<b></b>	<b>\$</b> 100100		\$	4,345	\$-	\$	4,345
1.1	Communication Protocol				0	\$	-		\$	-
1.2	Document Control / Data Management Protocol				0	\$	-		\$	-
1.3	Quality Assurance Plan				0	\$	-		\$	-
1.4	Milestone Review Process Protocol				0	\$	-		\$	-
1.5	Risk Management Plan				0	\$	-		\$	-
1.6	Land Acquisition Protocol	15		10	25	\$	4,345		\$	4,345
1.7	Environmental Management Protocol				0	\$	-		\$	-
1.8	Texas Water Development Board (TWDB) Protocol				0	\$	-		\$	-
1.9	Design Management Protocol				0	\$	-		\$	-
1.10	Budget and Funding Protocol				0	\$	-		\$	-
1.11	Schedule Protocol				0	\$	-		\$	-
1.12	Reporting Protocol				0	\$	-		\$	-
1.13	Permit Management Protocol				0	\$	-		\$	-
1.14	GBRA & PAC Protocol				0	\$	-		\$	-
1.15	Procurement Protocol				0	\$	-		\$	-
1.16	Construction Protocol				0	\$	-		\$	-
1.17	PMP Appendices				0	\$	-		\$	-
	Task 2 - Stakeholder Coordination					\$	19,448	\$-	\$	19,448
2.1	Stakeholder Identification				0	\$	-		\$	-
2.2	Initial and/or Ongoing Coordination				0	\$	-		\$	-
2.2.1	Executive Director				0	\$	-		\$	-
2.2.2	Technical Committee and Board				0	\$	-		\$	-
2.2.3	PAC				0	\$	-		\$	-
2.2.4	Other Alliance Water Consulting Services				0	\$	-		\$	-
2.2.5	Texas Commission on Environmental Quality				0	\$	-		\$	-
2.2.6	Texas Department of Transportation				0	\$	-		\$	-
2.2.7	Union Pacific Railroad				0	\$	-		\$	-
2.2.8	Counties (Hays, Caldwell, Guadalupe)				0	\$	-		\$	-
2.2.9	Cities (Kyle, San Marcos, Uhland, Lockhart, Maxwell, others)				0	\$	-		\$	-
2.2.10	GBRA and/or its Consultants				0	\$	-		\$	-
2.2.11	Other Utilities/Entities				0	\$	-		\$	-
2.3	Alliance Water Executive Director coordination meetings	48			48	\$	10,608		\$	10,608
2.4	Alliance Water Technical Committee and Board Meetings				0	\$	-		\$	-
2.5	PAC Meetings				0	\$	-		\$	-
2.6	Other ARWA Consulting Services - as part of Coor. Mtg. with ED.				0	\$	-		\$	-
2.7	Texas Commission on Environmental Quality - Meetings				0	\$	-		\$	-
2.8	Texas Department of Transportation - Meetings				0	\$	-		\$	-
2.9	Union Pacific Railroad - Meetings				0	\$	-		\$	-
2.10	Counties - Meetings				0	\$	-		\$	-
2.11	Cities - Meetings				0	\$	-		\$	-
2.12	Other Utilities/Entities - Meetings				0	\$	-		\$	-

	Project Fee Summary	
	\$	446,290
ort	Assumptions	
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SPITZER

#### Alliance Water **Owners Representative** 2/5/2021 **Detailed Overall Spitzer Cost Breakdown**

Total Effort

#### **Basic Services** Task Total Document Property **Total Labor** Acquisition Project Role **Total Hours** Expense **Total Effor** Acquisition Control Specialist Effort Manager Specialist Effort Hourly Bill Rate \$221.00 \$116.00 \$103.00 2.13 Internal Program Monthly Meetings 40 40 8,840 \$ Task 3 - Budgeting --Task 4 - Schedule --Task 5 - Reporting --Task 6 - Data Management \$ --Task 7 - Environmental Management --Task 8 - Land Acquisition Management 421,261 421, \$ -8.1 Perform regular coordination with Ld. Acq. Cons. 600 900 1,500 \$ 225,300 225, 8.2 Assist with the review of Ld. Acq. Cons. monthly invoices 24 48 10,248 72 \$ 10,2 8.3 Continuous tracking of Land Acq. Scope of work & amendments 20 20 4,420 \$ 4,4 8.4 Review land acquisition data for conformance to the PMP/RAMP 24 320 344 \$ 38,264 38,2 8.5 Perform as-needed site visits with Ld. Acq. Cons. 5 5 \$ 1,105 1, 8.6 Coordinated site visits with those identified in Task 7 and 11 5 1,105 5 1, \$ 8.7 Review and comment on TWDB land acquisition deliverables 15 6 21 \$ 3,933 3,9 8.8 Coord. with landowners to facilitate access for Consultants for field work 12 132 16,572 16, 120 \$ 100 8.9 Assist in resolution of title issues 500 72 672 \$ 87,516 87, 8.10 Weekly Mtg with Alliance Water and Special Counsel 78 78 \$ 17,238 17,2 Other Ld. Acq. services as identified and assigned by Alliance Water 8.11 0 \$ -38 15,560 8.12 Land Acq. Team progress meetings 28 38 104 \$ 15, Task 9 - Texas Water Development Board Management --Task 10 - Design Standards Updates \$ --Task 11 - Engineering Design Management --Task 12 - Quality Assurance \$ --Task 13 - Electrical Power Planning --Task 14 - Permit Coordination/Tracking --Task 15 - Procurement and Construction Phase Services --Task 16 - Project Administration 1,236 \$ -16.1 Invoicing 12 12 1,236 16.2 Project Management 0 \$ -Task 17 - Other Services --17.1 Water Quality Testing and Coordination 0 -17.2 TCEQ Exception Request and Interconnect Submittals 0 \$ -17.3 Other design tasks as assigned by Alliance Water 0 \$ -Task 18 - Environmental Construction Phase Services --18.1 Pre-Construction Meeting with Contractor 0 -\$ Migratory Bird Nest Survey 18.2 0 \$ -18.3 Cultural Resources 0 -18.4 Encountered Protected Species 0 -USACE Compliance and Reporting 18.5 0 \$ -446,290 \$ Grand Total 446,2 \$ \$ -

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	Project Fee Summary	
\$		446,290

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SPITZER

	Alliand	ce Water							Project Fee Summary	
	Owners Re 2/5/	Total Effort	\$	446,290						
	Detailed Overall Spi									
		Basic Se	rvices							
Task	Project Role	Property Acquisition Manager	Acquisition Specialist	Document Control Specialist	Total Hours	Total Labor Effort	Total Expense Effort	Total Effort	Assumptions	
	Llaurete Dill Data	, , , , , , , , , , , , , , , , , , ,	¢440.00				Effort			

Alliance Water								Project Fee Summary		
Owners Representative To 2/5/2021									\$ 446,290	
Detailed Overall Spitzer Cost Breakdown										
	Basic Services									
Task										
	Project Role	Property Acquisition Manager	Acquisition Specialist	Document Control Specialist	Total Hours	Total Labor Effort	Total Expense Effort	Total Effort	Assumptions	
	Hourly Bill Rate	\$221.00	\$116.00	\$103.00						

RVK

Alliance Water **Owners Representative** 2/5/2021 Detailed Overall RVK Group Cost Breakdown

Total Effort

Basic Services         Project Role       Administrativ e Staff / Technician       Senior Architectural Project Manager         Hourly Bill Rate       \$95.00       \$210.00       \$135.00         1 - Program Management Plan Updates       \$95.00       \$210.00       \$135.00         2 - Stakeholder Coordination       \$135.00       \$135.00         3 - Budgeting       \$120.00       \$135.00         4 - Schedule       \$120.00       \$135.00         5 - Reporting       \$120.00       \$120.00         6 - Data Management       \$120.00       \$120.00         7 - Environmental Management       \$120.00       \$120.00         8 - Land Acquisition Management       \$120.00       \$120.00         9 - Texas Water Development Board Management       \$120.00       \$120.00	Total Hours	Total Labor Effort \$ - \$ - \$ - \$ - \$ -	Total Expense Effort \$ - \$ -	Total Effort          \$ -         \$ -	Assumptions
Project Rolee Staff / TechnicianSenior ArchitectProject ManagerHourly Bill Rate\$95.00\$210.00\$135.001 - Program Management Plan Updates	Total Hours	Effort	Expense Effort \$ -	Total Effort          \$       -         \$       -	Assumptions
1 - Program Management Plan Updates         2 - Stakeholder Coordination         3 - Budgeting         4 - Schedule         5 - Reporting         6 - Data Management         7 - Environmental Management         8 - Land Acquisition Management		\$- \$- \$- \$-	Ŧ	<mark>\$ -</mark> \$ -	
2 - Stakeholder Coordination         3 - Budgeting         4 - Schedule         5 - Reporting         6 - Data Management         7 - Environmental Management         8 - Land Acquisition Management		\$ - \$ - \$ -	Ŧ	\$ - \$ -	
3 - Budgeting       4 - Schedule       5 - Reporting       6 - Data Management       7 - Environmental Management       8 - Land Acquisition Management		\$- \$- \$-	\$ - \$ -	\$ -	
4 - Schedule         5 - Reporting         6 - Data Management         7 - Environmental Management         8 - Land Acquisition Management		\$- \$-	\$ -		
5 - Reporting         6 - Data Management         7 - Environmental Management         8 - Land Acquisition Management		\$-	Ŷ	\$ -	
6 - Data Management		T	\$-	\$-	
7 - Environmental Management         8 - Land Acquisition Management		\$-	\$-	\$-	
8 - Land Acquisition Management		\$-	\$-	\$-	
		\$-	\$-	\$-	
9 - Texas Water Development Board Management		\$-	\$-	\$-	
		\$-	\$ -	\$ -	
a 10 - Design Standards Updates		\$-	\$ -	\$ -	
11 - Engineering Design Management		\$-	\$ -	\$ -	
agement and Coordination of Hydrogeology/Well Drilling	0	\$-		\$-	
agement and Coordination of Well Pumps and Raw Water Inf.	0	\$-		\$-	
agement and Coordination of WTP and HSPS	0	\$-		\$-	
agement and Coordination of Transmission Pipeline (5 Contracts)	0	\$-		\$-	
agement and Coordination of Admin. Building and Ops. Center	0	\$-		\$-	
ntify early actions required	0	\$-		\$-	
sist with the development and review of project scope for the DC	0	\$-		\$-	
sist with the review of proposed LOE developed by the DC	0	\$-		\$-	
view and provide comments on the PMP prepared by the DC	0	\$-		\$-	
sist with the review of Design Consultants monthly invoices	0	\$-		\$-	
form regular coordination with the DC to discuss ongoing tasks	0	\$-		\$-	
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fc /ie /ie /ie ag ag m u dro //	orm initial windshield survey to review the overall Phase 1B projects         orm as-needed site visits with Design Consultants         ew/Comment on TWDB EFR deliverables prepared by DC         ew/Comment on milestone submittals prepared by DC         ew/Comment on OPCC's prepared by DC         r Design-related services as assigned by Alliance Water         gement and Coordination of BPS & Delivery Points         gement and Coordination of Elevated Storage Tanks         gement and Coordination of Program Survey         issioning Planning         Itant Design Teams progress meetings         ogeology / Well Drilling         Water Facilities         / HSPS         ines	orr initial windshield survey to review the overall Phase 1B projects0orr as-needed site visits with Design Consultants0ow/Comment on TWDB EFR deliverables prepared by DC0ow/Comment on milestone submittals prepared by DC0ow/Comment on OPCC's prepared by Alliance Water0ow/Comment and Coordination of BPS & Delivery Points0ow/comment and Coordination of Elevated Storage Tanks0ow/common of Program Survey0issioning Planning0ogeology / Well Drilling0Water Facilities0/ HSPS0ines0nistrative Building and Operations Center0	orm initial windshield survey to review the overall Phase 1B projects0\$-orm as-needed site visits with Design Consultants0\$-ew/Comment on TWDB EFR deliverables prepared by DC0\$-ew/Comment on milestone submittals prepared by DC0\$-ew/Comment on OPCC's prepared by DC0\$-ew/Comment on OPCC's prepared by DC0\$-r Design-related services as assigned by Alliance Water0\$-rement and Coordination of BPS & Delivery Points0\$-rement and Coordination of Elevated Storage Tanks0\$-rement and Coordination of Program Survey0\$-resign reams progress meetings0\$-ogeology / Well Drilling0\$-Water Facilities0\$-/ HSPS0\$-ines0\$-	orm initial windshield survey to review the overall Phase 1B projects0\$-orm as-needed site visits with Design Consultants0\$-ew/Comment on TWDB EFR deliverables prepared by DC0\$-ew/Comment on milestone submittals prepared by DC0\$-ew/Comment on OPCC's prepared by DC0\$-ew/Comment on OPCC's prepared by DC0\$-ew/Comment on OPCC's prepared by DC0\$-r Design-related services as assigned by Alliance Water0\$-ement and Coordination of BPS & Delivery Points0\$-ement and Coordination of Flevated Storage Tanks0\$-issioning Planning0\$-that Design Teams progress meetings0\$-ogeology / Well Drilling0\$-Water Facilities0\$-/ HSPS0\$-ines0\$-	Imminitial windshield survey to review the overall Phase 1B projects0\$-\$\$Imminitial windshield survey to review the overall Phase 1B projects0\$-\$\$-Imminitial windshield survey to review the overall Phase 1B projects0\$-\$\$-Imminitial windshield survey to review the overall Phase 1B projects0\$-\$\$-Imminitial windshield survey to review the overall Phase 1B projects0\$-\$\$-Imminitial windshield survey to review the overall Phase 1B projects0\$-\$\$-Imminitial windshield survey to review the overall Phase 1B projects0\$-\$\$-\$\$-\$\$-\$-\$-\$\$-\$\$-\$\$-\$\$-\$-\$-\$<

	Project Fe	e Summary	
\$			-

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

	Basic Services					
Task	Project Role Administrativ e Staff / Senior Architectural Project Manager	Total Hours	Total Labor Effort	Total Expense	Total Effort	Assumptions
	Hourly Bill Rate         \$95.00         \$210.00         \$135.00			Effort		
	Task 12 - Quality Assurance		\$-	\$-	\$-	
	Task 13 - Electrical Power Planning		\$-	\$-	\$-	
	Task 14 - Permit Coordination/Tracking		\$-	\$-	\$-	
	Task 15 - Procurement and Construction Phase Services		\$-	\$-	\$-	
	Task 16 - Project Administration		\$-	\$-	\$-	
	Task 17 - Other Services		\$-	\$-	\$-	
17.1	Water Quality Testing and Coordination	0	\$-		\$-	
17.2	TCEQ Exception Request and Interconnect Submittals	0	\$-		\$-	
17.3	Other design tasks as assigned by Alliance Water	0	\$-		\$-	
	Task 18 - Environmental Construction Phase Services		\$-	\$-	\$-	
		Grand Total	\$ -	\$ -	\$ -	

V&A			
Alliance Water		Project Fee Summary	
	Total Effort	\$	22,015
2/5/2021			
Detailed Overall V&A Cost Breakdown			

				Basic Serv	ices								
Task										1			
	Project Role	wingi / Filitcipai	Senior Tech. Avis / Deptuty Prj Mngr	Senior Engineer	Civil Engineer	Senior Technician	in-Training	Administrativ e Staff / Technician	Total Hours	Total Labor Effort	Total Expense Effort	Total Effort	Assumptions
	Hourly Bill Rate	\$275.00	\$235.00	\$185.00	\$165.00	\$135.00	\$130.00	\$95.00					
	Task 1 - Program Management Plan Updates									\$-	\$-	\$-	
	Task 2 - Stakeholder Coordination									\$-	\$-	\$-	
	Task 3 - Budgeting									\$-	\$-	\$-	
	Task 4 - Schedule									\$-	\$-	\$-	
	Task 5 - Reporting									\$-	\$-	\$-	
	Task 6 - Data Management									\$-	\$-	\$-	
	Task 7 - Environmental Management									\$-	\$-	\$-	
	Task 8 - Land Acquisition Management									\$-	\$-	\$-	
	Task 9 - Texas Water Development Board Management									\$-	\$-	\$-	
	Task 10 - Design Standards Updates									\$ 18,25	200 \$	\$ 18,450	
	Development of Design Standards, Specifications, and Details								0	\$-		\$-	
10.1.1	Transmission Pipelines and Delivery Points Design Stds Finalize								0	\$-		\$-	
10.1.2	Preparation of Standard Specifications for Const Finalize								0	\$-		\$-	
10.1.3	Preparation of Standard Details - Finalize								0	\$-		\$-	
10.1.4	Pipeline Corrosion Protection Standards	2	22	26	16	4	32	4	106	\$ 18,25	) \$ 200	\$ 18,450	
10.1.6	Facility General Electrical Standards								0	\$-		\$-	
10.1.5	Telemetry, Instrumentation & Controls, SCADA, and Security Standards								0	\$-		\$-	
10.1.5.1	Fiber Optic Standards								0	\$-		\$-	
10.1.5.2	SCADA Standards								0	\$-		\$-	
10.1.5.3	I&C Standards								0	\$-		\$-	
10.1.5.4	Security Standards								0	\$-		\$-	
	Master Specifications - Finalize								0	\$-		\$-	
10.3	Record Drawings (Plans & GIS)								0	\$-		\$-	
	Address comments from Design Consultant Teams and Finalize								0	\$-		\$-	
10.5	Standards Review Meeting								0	\$-		\$-	
	Task 11 - Engineering Design Management									\$-	\$-	\$-	
	Task 12 - Quality Assurance									\$-	\$-	\$-	
	Task 13 - Electrical Power Planning									\$-	\$-	\$-	
	Task 14 - Permit Coordination/Tracking									\$-	\$-	\$-	
	Task 15 - Procurement and Construction Phase Services									\$-	\$ -	\$-	
	Task 16 - Project Administration									\$ 3,56		\$ 3,565	
16.1	Invoicing							10	10	\$ 95		\$ 950	
16.2	Project Management	2	8	1					11	\$ 2,61	5	\$ 2,615	
	Task 17 - Other Services									\$-	\$-	\$-	
	Task 18 - Environmental Construction Phase Services									\$-	\$-	\$-	
									Grand Total	\$ 21,81	5 \$ 200	\$ 22,015	

# **COMMITTEE MEMBER PACKETS**

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

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

# **Background/Information**

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

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

On the following pages is a list of bills that have been filed that may be of interest to the Authority as of February 5, 2021. The Authority's initial position on the bill has been provided in the table based on the legislative priorities approved by the Board in December 2020.

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

Attachment(s)

• ARWA Bill Tracking as of 2/5/2021

# **Technical Committee Decision Needed:**

• Possible direction to Staff.

# ARWA Bill Tracking – 2021 / 87th Texas Legislature

	AR	WA – Bills to Support/Oppose (as of 02	/05/2021)	
<u>Bill</u> <u>Number</u>	<u>Bill</u> <u>Number</u>	<u>Bill Number</u>	Bill Number	<u>Bill</u> <u>Number</u>
HB 666 HB 668 SB 152	Harris Harris Perry	<ul> <li>Relating to regulation of groundwater conservation districts</li> <li>Award of attorney fees is optional</li> <li>Groundwater rights owner can petition for rule-making</li> <li>Notice of permit to adjacent landowners</li> </ul>		Support
HB 837	Lucio III	<ul> <li>Requires the PUC to verify the compensation awarded to a utility by the petitioner</li> </ul>		Support
HB 966	Burns	<ul> <li>Ch. 36 Water Code amended to change award of attorney's fees from "shall" to "may".</li> </ul>		Support
HB 1030	Shaheen	<ul> <li>Allow publication on entity's website to satisfy any other legal requirement to publish notice in a newspaper</li> </ul>		Support
HB 1089	Reynolds	Increases the tort liability limit for a governmental unit for wrongful acts committed by their employees		Oppose
HB 1473 SB 526	Gates Kolkhorst	<ul> <li>Require special purpose districts to include a live video stream of each board meeting on the district's website.</li> </ul>		<mark>Oppose</mark>
<mark>НВ</mark> 1506	Zwiener	<ul> <li>Condemnor would gain possession of condemned land if award is deposited within 7 days, otherwise possession would not be gained until 180 days.</li> </ul>		
SB 307	Eckhardt	• Prohibits entities other than Local Government Corporation from provide wholesale water across two county lines if they commence operations after September 2021.		Oppose

		ARWA – Bills to Monitor (as of 2/5/20	021)	
<u>Bill</u> Number	<u>Sponsor</u>	General Information	<u>Committee</u>	ARWA Position
HB 263	Meza	<ul> <li>Relating to rest breaks for employees of certain contractors with a governmental entity</li> </ul>		Monitor
HB 348	Zwiener	<ul> <li>Relating to a requirement to make certain environmental and water use permit applications available online</li> </ul>		Monitor
HB 692	Shine	Relates to retainage requirements for certain public works construction projects		Monitor
HB 749 SB 234	Middleton Hall	Prohibits political subdivision from spending public funds on lobbyists		Monitor
HB 768	Patterson	• Extends a requirement to make video and audio of a regular public meeting available on the internet. Requirements match those of school board meetings.		Monitor
HB 776	Walle	<ul> <li>Clarifies contract requirements for workers' compensation on construction projects</li> </ul>		Monitor
HB 863	Romero	<ul> <li>Requires an audit of public work contract to verify compliance with prevailing wage rate requirements</li> </ul>		Monitor
HB 901	Burns	• Applies to private entities only: Establishes criteria that company must meet to make a bona fide offer and includes some requirements for the conveyance documents		Monitor
HB 902	Burns	<ul> <li>Require the AG to establish an ombudsman office to provide info to landowners whose property is being taken by eminent domain. Includes continuing education for ROW agents. Comprehensive changes to the Property Code.</li> </ul>		Monitor

# ARWA Bill Tracking – 2021 / 87th Texas Legislature

HB 1130	White	Ch. 251 of Utilities Code is amended to include civil remedies for failure of underground utilities to comply with the Chapter.	Monitor
<mark>НВ</mark> 1336	Pacheco	<ul> <li>Requires contractors to comply with E-verify program in order to be eligible for a contract for goods and services.</li> </ul>	Monitor
HB 1435	Lucio III	Changes CCN certification by PUC to authorize a municipal single certification only if the PUC finds the retail public utility is incapable of providing service and to establish compensation.	Monitor
SB 423	Hinojosa	<ul> <li>Amends Ch 21 of Property Code to allow special commissioners' hearing notices in an eminent domain proceeding in manners as allowed by Texas Rules of Civil Procedure for citation.</li> </ul>	Monitor

END

# **COMMITTEE MEMBER PACKETS**

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

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

# Gonzales County Underground Water Conservation District (GCUWCD)

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

# Plum Creek Conservation District (PCCD)

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

# Groundwater Management Area 13

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

# Region L Planning Group

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

<u>Guadalupe-Blanco River Authority; Hays County Activities; CAPCOG Activities</u> No update.

# Technical Committee decision needed:

• None.

# **COMMITTEE MEMBER PACKETS**

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

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

# Board Meeting

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

Consultant Invoices Paid

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

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

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

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

# **COMMITTEE MEMBER PACKETS**

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

[ ]	FIRSE ID FI	ZU-ZI CONJULIA	NT INVOICES PAIL			
				% of		Notool
Consultant	Total Authorized	Current Invoice	Invoiced-to-Date	Contract Invoiced	Remaining	Notes/ Anomalies
	Total Authorized	Current invoice	Invoiceu-to-Date	Invoiced	Remaining	Anomalies
Kimley-Horn Ph 1B			0545 005 00			
Owner's Rep WO4	\$1,319,033.52	\$286,703.80	\$545,635.30	41%	\$773,398.22	
Blanton -						
Environmental	\$846,735.28	\$127,010.96	\$192,202.33	23%	\$654,532.95	
LAN - Segment A	\$116,364.20	\$0.00	\$0.00	0%	\$116,364.20	
LAN - Segment A Final	\$407,554.89	\$108,492.68	\$108,492.68	27%	\$299,062.21	
KFA - Segment B	\$13,275.94	\$0.00	\$0.00	0%	\$13,275.94	
KFA - Segment B Final	\$646,633.97	\$118,346.49	\$118,346.49	18%	\$528,287.48	
BGE - Segment C						
Prelim	\$15,099.24	\$0.00	\$0.00	0%	\$15,099.24	
BGE - Segment C Final	\$2,242,596.09	\$400,215.53	\$400,215.53	18%	\$1,842,380.56	
FNI - Seament D						
Prelim	\$63,533.66	\$0.00	\$0.00	0%	\$63,533.66	
FNI - Segment D	,					
Final	\$863,654.69	\$192,898.78	\$192,898.78	22%	\$670,755.91	
Walker - Segment E	0003,034.03	ψ132,030.70	ψ132,030.70	22.10	ψ070,755.81	
	CE0 600 04	£0.00	£0.00	09/	CE0 600 04	
Prelim	\$58,638.01	\$0.00	\$0.00	0%	\$58,638.01	
Walker - Segment E						
Final	\$1,040,800.61	\$117,473.05	\$117,473.05	11%	\$923,327.56	
LAN - ROW Acquisition	\$1,601,100.28	\$72,362.82	\$134,158.80	8%	\$1,466,941.48	
DTR&G	\$522,719.30	\$58,785.44	\$116,199.16	22%	\$406,520.14	
CBRE - Appraisals	\$1,784,150.00	\$59,180.00	\$59,180.00	3%	\$1,724,970.00	
CP&Y - Survey	\$984,980.00	\$0.00	\$0.00	0%	\$984,980.00	
RW Harden - WDH						
Const Admin	\$358,153.60	\$39,824.00	\$39,824.00	11%	\$318,329.60	
LNV - RWI	\$225,513.86	\$62,205.00	\$62,205.00	28%	\$163,308.86	
Walker Partners - WTP						
Final Design	\$659,499.16	\$2,386.25	\$172,997.25	26%	\$486,501.91	
FNI - BPS Prelim	\$4,772.50	\$238,761.06	\$2,386.25	50%	\$2,386.25	
FNI - BPS Final	\$712,061.63	\$2,535.85	\$238,761.06	34%	\$473,300.57	
Plummer - Inline						
Elevated Tank	\$42,799.42	\$2,535.85	\$2,535.85	6%	\$40,263.57	
Pape-Dawson - CM&I						
WO#1	\$16,880,44	\$0.00	\$2.017.53	12%	\$14,862,91	
Pape-Dawson - CM&I	\$10,000.1T		42,011.00			1
WO#2	\$147,500.00	\$8,715.00	\$84,820.00	58%	\$62,680.00	
Pape-Dawson - CM&I	¥141,000.00	φ0,710.00	404,020.00	5070	ψ02,000.00	
WO#3	\$74,460.00	\$35,127.50	\$56,672.50	76%	\$17,787.50	
	φ/4,400.00	φου, 127.00	\$00,072.00	7070	φπ,τοτ.υ0	+
Hicks & Co - WDH	C45 074 00	£0.00	@202.00		C45 574 00	
Environmental	\$15,874.00	\$0.00	\$303.00	2%	\$15,571.00	
Total	\$14,785,657.65	\$2,106,557.31	\$2,900,988.32		\$11,884,669.33	

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

# **COMMITTEE MEMBER PACKETS**

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

# Approved Change Orders

(	CHANGE	E ORDERS	S AP	PROVED IN J			
Consultant	Original Authorization			Change Orders to Date	ange Order proved this Month		New Total Contract Amount
Walker Partners: 1B							
Segment E	\$ 40	8,755.00	\$	164,719.00	\$ -	\$	573,474.0
Black Castle - Phase 1A							
BPS Construction	\$4,99	9,080.00	\$	126,180.74	\$ -	\$	5,125,260.7
RW Harden – 1B Well							
Drilling & Hydrogeology	\$ 11	4,000.00	\$	31,380.00	\$ -	\$	145,380.0
Freese & Nichols: 1B							
BPS & DP Prelim	\$ 77	71,617.00	\$	44,408.00	\$ -	\$	816,025.0
K Friese & Assoc.: 1B							
Segment B	\$ 56	5,417.00	\$	60,095.00	\$ -	\$	625,512.0
BGE: 1B Segment C							
Prelim	\$ 61	4,626.00	\$	34,430.00	\$ -	\$	649,056.0
Freese & Nichols: 1B							
Segment D	\$ 59	7,714.00	\$	66,722.00	\$ -	\$	664,436.0
Walker Partners: 1B							
WTP (Prelim)	\$ 1,20	3,606.00	\$	40,406.00	\$ -	\$	1,244,012.0
CP&Y: Ph 1B Program							
Survey	\$ 3,37	5,780.00	\$	83,500.00	\$ -	\$	3,459,280.0
Freese & Nichols: 1B							
Segment D (Final)	\$ 1,99	9,464.00	\$	44,216.75	\$ -	\$	2,043,680.7
LAN: 1B Segment A							
Final Design	\$ 1,90	3,077.00	\$	186,591.00	\$ -	\$	2,089,668.0
Blanton & Assoc:							
Environmental Invest.	\$ 1,39	8,775.00	\$	150,703.00	\$ -	\$	1,549,478.0
K Friese & Assoc: 1B							
Seg B Final Design	\$ 1,83	0,994.00	\$	177,660.13	\$ -	\$	2,008,654.1
LAN: 1A Seg B Const							
Admin	\$ 10	8,860.01	\$	6,204.04	\$ -	\$	115,064.0
Walker Partners: 1B							
WTP (Final)	\$ 2,90	0,402.00	\$	193,971.00	\$ -	\$	3,094,373.0
LNV: 1B Raw Water			Ι.			Ι.	
(Design)	\$ 1,41	8,700.00	\$	37,277.00	\$ -	\$	1,455,977.0
Walker Partners: 1B Seg			Ι.			Ι.	
E (Final)	\$ 1,19	0,421.00	\$	44,561.00	\$ -	\$	1,234,982.0
				44 000 00			051 000 0
JR Tolles: 1A CM&I	\$ 21	0,000.00	\$	41,000.00	\$ -	\$	251,000.0
BGE: 1B Segment C	A 2.00	0.010.00		227.001.00			0.005.404.0
Final	\$ 2,68	8,310.00	\$	237,091.00	\$ -	\$	2,925,401.0

• See below for Change Orders approved in January 2021

# **COMMITTEE MEMBER PACKETS**

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

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

Background/Information

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

# **COMMITTEE MEMBER PACKETS**

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

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

# **COMMITTEE MEMBER PACKETS**

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

- **I.2** Action from Executive Session on the following matters:
  - A. Water supply partnership options
  - B. Groundwater leases
  - C. Acquisition of real property for water supply project purposes
  - D. Possible approval of the cemetery investigation approved by the Board by Resolution 2021-01-27-004 pending approval by the Technical Committee.

# **COMMITTEE MEMBER PACKETS**

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

J. ADJOURNMENT