

**Alliance Regional Water Authority
Technical Committee**

REGULAR MEETING



ALLIANCE WATER

COMMITTEE MEMBER PACKETS

Wednesday, October 14th, 2020 at 3:00 P.M.

Conference Call Number: 1-903-405-2572
Code: 299 877 889#

REGULAR MEETING
Alliance Regional Water Authority Technical Committee

COMMITTEE MEMBER PACKETS

Wednesday, October 14th, 2020 at 3:00 P.M.
Conference Call Number: 1-903-405-2572; Code: 299 877 889#

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, October 14, 2020. The public may participate in this meeting by calling the following number and code:

Conference Call Number: 1-903-405-2572
Code: 299 877 889#

Members of the public wishing to make public comment during the meeting must register by emailing info@alliancewater.org prior to 3:00 p.m. on October 14, 2020. 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 September 9, 2020. ~ *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 Cost Estimates & Schedules. ~ *Ryan Sowa, P.E., Kimley-Horn & Associates*
- F.4 Update, discussion and possible direction to Staff regarding a Procurement Update for the Phase 1B Program. ~ *Ryan Sowa, P.E., Kimley-Horn & Associates*
- F.5 Update, discussion and possible direction to Staff regarding the Authority's 2020 SWIFT Funding. ~ *Graham Moore, P.E., Executive Director*
- F.6 Update on status of groundwater management in project target area, and Gonzales County Underground Water Conservation District, Plum Creek Conservation District, Groundwater Management Area 13, Region L Planning Group, Guadalupe-Blanco River Authority, Hays County and CAPCOG activities. ~ *Graham Moore, P.E., Executive Director*
- G. EXECUTIVE DIRECTOR REPORT - Update on future meeting dates, locations, consultant invoices paid, approved changed orders, status of Authority procurements, Executive Director activities and other operational activities where no action is required. ~ *Graham Moore, P.E., Executive Director*
- H. COMMITTEE MEMBER ITEMS OR FUTURE AGENDA ITEMS – Possible acknowledgement by Committee Members of future area events and/or requests for item(s) to be placed on a future agenda where no action is required.
- I. EXECUTIVE SESSION
 - I.1 *Executive Session pursuant to the Government Code, Section 551.071 (Consultation with Attorney) and/or Section 551.072 (Real Property Deliberations) regarding:*
 - A. *Water supply partnership options*
 - B. *Groundwater leases*
 - C. *Acquisition of real property for water supply project purposes*
 - I.2 Action from Executive Session on the following matters:
 - A. *Water supply partnership options*
 - B. *Groundwater leases*
 - C. *Acquisition of real property for water supply project purposes*
- J. ADJOURNMENT

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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

<u>NAME</u>	<u>PRESENT</u>
Blake Neffendorf	
James Earp	
Tom Taggart	
Humberto Ramos	
Tim Samford	
Mike Taylor	

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

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D. CONSENT AGENDA

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

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D.1 Consider approval of minutes of the Special Technical Committee Meeting held September 9, 2020. ~ *Graham Moore, P.E., Executive Director*

Attachment(s)

- 2020 09 09 Technical Committee Meeting Minutes

Technical Committee decision needed:

- Approval of minutes.



ALLIANCE WATER

Alliance Regional Water Authority

TECHNICAL COMMITTEE MEETING

MINUTES

Wednesday, September 9, 2020

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, September 9, 2020 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 3:06 p.m. by Mr. Earp.

B. ROLL CALL.

- **Present: Neffendorf, Earp, Ramos, Taylor and Lillibridge.**
- **Absent: Taggart.**

C. PUBLIC COMMENT PERIOD

- **None.**

D. CONSENT AGENDA

D.1 Consider approval of minutes of the Regular Technical Committee Meeting held July 8, 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.**
 - **No Action.**
- F.2 Update and possible direction to Staff regarding the Authority's Phase 1B program.
- **Mr. Ryan Sowa with Kimley-Horn went through the presentation in the packet summarizing Kimley-Horn's recent activities.**
 - **Mr. Neffendorf stated that the acquisition process needs to get started on Segments C and E.**
 - **Mr. Sowa noted that there is no "pause" on these pipeline sections, there is simply a priority placed on Segments A, B and D.**
 - **Mr. Davenport asked if the condemnations allow for future pipelines to be installed.**
 - **Mr. Sowa stated that the condemnations proceedings do provide for that. Mr. Moore also stated that we meet the Property Code requirements for future right-of-way reservations. Mr. Gershon also noted that the project definition provides a belt and suspenders approach.**
 - **No Action.**
- F.3 Update and possible direction to Staff regarding the updated Commissioning Plan for the Phase 1B Program
- **Mr. Cobler provided an update on the updated commissioning plan.**
 - **No Action.**
- F.4 Discussion and possible direction to Staff to request an agreement from the Texas Department of Transportation for the SH-304 Right Turn Deceleration Lane Improvements at Wolf Run Road in Caldwell County.
- **Mr. Moore provided information on a possible funding agreement with TxDOT for required improvements on SH-304 at the water treatment plant property.**
 - **The Committee agreed that it makes sense to move forward with a funding agreement.**
 - **No Action.**
- F.5 Update, discussion and possible direction to Staff regarding the Authority's request to the Texas Water Development Board for additional SWIFT Funding.
- **Mr. Moore provided an update on the funding.**

- **No Action.**

F.6 Update on status of groundwater management in project target area, and Gonzales County Underground Water Conservation District, Plum Creek Conservation District, Groundwater Management Area 13, Region L Planning Group, Guadalupe-Blanco River Authority, Hays County and CAPCOG activities.

- **Mr. Moore provided an update on the various topics.**
- **No Action.**

G. EXECUTIVE DIRECTOR REPORT

- **No Action.**

H. COMMITTEE MEMBER ITEMS OR FUTURE AGENDA ITEMS

- **None.**

I. EXECUTIVE SESSION

I.1 Executive Session on the following matters:

- A. Water supply partnership options
- B. Groundwater leases
- C. Acquisition of real property for water supply project purposes

- **No Executive Session.**

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

- A. Water supply partnership options
- B. Groundwater leases
- C. Acquisition of real property for water supply project purposes

- **No Action.**

J. ADJOURNMENT

- **Meeting was adjourned at 4:05 p.m. by Mr. Earp.**

APPROVED: _____, 2020

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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 A Pipeline:

- None.

Segment B Pipeline:

- 96% of total 24" pipe laid down.
- Anticipated completion of construction within three weeks.
- Will load and test lines following construction completion.

Pump Station:

- On Sept 9th station sustained damage from a power surge related to a nearby lightning strike.
- Evaluating what can be done to prevent this type of incident from happening in the future. Soliciting opinions on additional lightning arresting equipment or design considerations from both engineering professionals and electrical service and repair providers.
- Insurance representative (Builders Risk Insurance) for Black Castle was onsite to evaluate damage and coordinate process moving forward.
- T Morales is working with General Electric on replacement of damaged ATS. Quote for those services is expected shortly.
- Certificate of Substantial Completion issued on Sep 3, 2020.
 - Completion expected on or before October 18, 2020. Will reevaluate pending electrical repair timeline update from contractors.

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 – October 14, 2020
- Kimley-Horn Monthly Summary of Activities for September 2020

Technical Committee Decisions Needed:

- None.



Phase 1B Program Update

Technical Committee Meeting
October 14, 2020

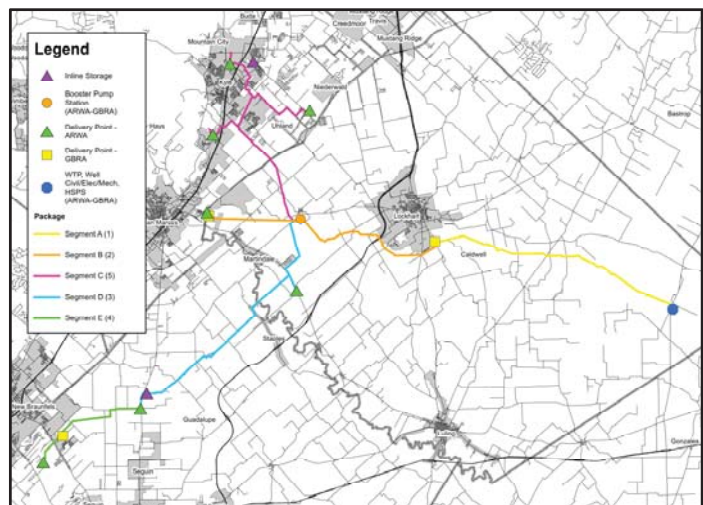


Kimley»Horn

Ongoing Progress

Design Milestone Review

- Pipeline Segment B & Booster Pump Station
 - 90% Design Submittal (October)
- Pipeline Segment A & Water Treatment Plant /Raw Water Infrastructure
 - 100% Design Submittal (November)
- Pipeline Segment D
 - 90% Design Submittal (November)



Kimley»Horn

Ongoing Progress

TCEQ Exceptions Requested

- Pipelines
 - Minimum Pressure
 - Waterway Crossings
 - Sampling Point Frequency
- Booster Pump Station / Delivery Points
 - Delivery Points – tank air gap connections
- Water Treatment Plant
 - Chemical Bulk Storage – storage tank capacity
 - Solids Handling – covers over settling basins / drying beds

Status of TCEQ Exception Submittals

- Segment A
 - Submitted to TCEQ in July, initial comments received
- Segment B
 - Submitted to TCEQ in August, under review
- Water Treatment Plant
 - Submitted to TCEQ in August, under review
- Booster Pump Station / Delivery Points
 - Submitted to TCEQ in September, under review
- Segment D
 - Under Program Review



Kimley»Horn

Pipeline Easement Acquisition Status

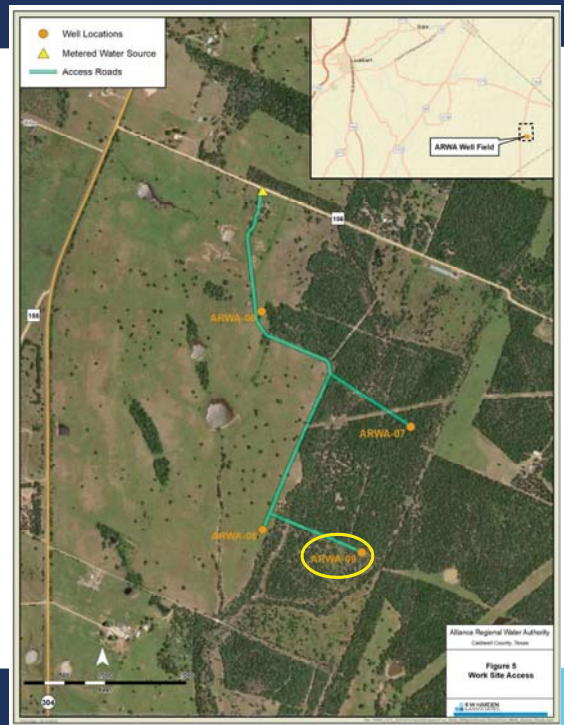
Pipeline Segment	Number of Parcels	Appraisals Prepared	Initial Offer Letter Delivered	Purchase Agreement Signed / Easement Closed	Approved for Condemnation
A	39	37	37	15	8
B	50	41	37	2	16
D	62	56	52	14	1
C	84	13	0	0	0
E	38	12	10	0	0
Wellfield	19	0	0	0	0
Total	292	159	136	31	25



Kimley»Horn

Well Drilling Construction Progress

- Actual Progress (last 30 days)
 - Site No. 9
 - Site staging and stabilization
 - Pilot hole drilling underway
- Anticipated Progress (next 30 days)
 - Site No. 9
 - Complete production well
 - Site No. 8
 - Mobilize and begin staging



Well Field Construction Update



Photo Credit:
Jim Tolles

Well No. 9 Drill Setup



Well Field Construction Update



Photo Credit:
Jim Tolles

Well No. 9 Pilot Hole Drilling



Kimley»Horn

Questions?



Kimley»Horn

October 9, 2020

Project Monthly Summary

September 2020 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 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 draft TWDB Forecast Budget for internal review.
 - Continued updates to Budget Workbook to include monthly tracking of actual costs for ARWA review.
 - Continued development of projected Operation and Maintenance costs and addressed feedback received from ARWA.

- 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
 - 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.

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

- Performed coordination between Program Environmental Consultant and Land Acquisition Consultant to clarify environmental field work to be done on properties as part of right-of-entry process.
- Monthly progress meeting and ongoing coordination with Program Environmental Consultant.
- Continued coordination between Program Environmental Consultant and Design Engineers.
- Reviewed Program Environmental invoices, schedule, and risk log.

- Task 8 – Land Acquisition Management
 - Coordinated the appraisal process for Segments A, B, C, D, and E parcels.
 - Coordinated with Program Survey Consultant, Program Environmental Consultant, and Land Acquisition team to address questions that arise as part of the field work coordination process.
 - Performed weekly QC of parcel files in SharePoint, provided comments to Land Acquisition team.
 - Weekly coordination meeting with land agents to discuss status of rights-of-entry and to provide Program clarification on any questions/requests that have come from landowners.
 - Reviewed Program Land Acquisition team, Program Appraiser, and Program Survey invoices.
 - Continued field work coordination to notify landowners of upcoming field work by consultants.

- Task 9 – Texas Water Development Board Management
 - Continued preparations for the next release of funds submittal to the TWDB.
 - Continue coordination with TWDB Staff to track all EFRs, environmental reports, and bid documents currently under review.

- Task 10 – Design Standards
 - Performed contractor outreach regarding the Procurement Process, including obtaining input on the Competitive Sealed Proposal process and input on the current format of the ARWA contract document templates.
 - Prepared a sensitivity analysis of the Procurement Process analyzing evaluation criteria options for ARWA’s review.
 - Prepared and distributed the revised Division 02, 03, 31, and 32 standard specifications for the Pipeline Design Consultants review.
 - Finalized the Cathodic Protection Program Standards given feedback from the PAC and Design Consultants.
 - Revised and finalized the Security Standards given feedback from the PAC and Design Consultants.
 - Coordinated with the Design Consultants to receive feedback and information related to the Fiber Standards.
 - Revised the Fiber Standards given feedback from the PAC and Design Consultants.

- Task 11 – Engineering Design Management
 - Pipelines:
 - Segment A
 - Reviewed the Segment A 90% design submittal prepared by the Design Consultant.
 - Attended Segment A 90% Submittal Review Workshop.
 - Continued coordination with Design Consultant for final design.
 - Segment B
 - Began review of the Segment B 90% design submittal prepared by the Design Consultant.
 - Continued coordination with Design Consultant for final design.
 - Segment C
 - Backchecked the Draft 30% Engineering Feasibility Report prepared by the Design Consultant.
 - 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
 - Finalized review of the Segment D 60% design submittal prepared by the Design Consultant.
 - Attended Segment D 60% Submittal Review Workshop.
 - Continued coordination with Design Consultant for final design.
 - Segment E
 - Backcheck reviewed the Draft 30% Engineering Feasibility Report prepared by the Design Consultant.
 - Continue 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 90% design development.
 - Water Treatment Plant:
 - Began review of 90% design submittal.
 - Continued coordination with Design Consultant for final design.
 - Booster Pump Station:
 - Coordinated with Design Consultant for final design.
 - Inline Elevated Storage Tanks:
 - Continued coordination with Design Consultant for 30% design development.
 - Other:

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

- 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
 - Attended Caldwell County Intake Permit meeting for Segment A.
 - Continued Permit coordination with Pipeline Consultants.
 - Continued coordination with Caldwell County concerning variance request for the Site Development Permit.
 - Continued coordination with Caldwell County TxDOT office 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
 - Finalized draft additional solar analysis and memo evaluating ARWA’s potential return on investment for solar power at the WTP property.
 - Commissioning Planning
 - Continued evaluating the commissioning of the Phase 1B infrastructure.
 - Evaluated the anticipated water volume required to commission the Phase 1B infrastructure.

October 2020 Projection:

- Task 2 – Stakeholder Coordination
 - Coordination and/or meetings with entities including: Caldwell County, Guadalupe County, GVEC, Bluebonnet Electric Coop, TxDOT, TCEQ, and TWDB.
 - Continue weekly task coordination with Alliance Water.
 - Prepare and present Technical Committee Meeting Update.
 - Prepare and present Project Advisory Committee Meeting Update.
 - Prepare and present Board Meeting Update.
 - Prepare for and hold Monthly Status Meeting with Alliance Water.
- Task 3 – Budgeting

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

- Finalize the TWDB Forecast Budget for ARWA’s review and feedback.
- Continue updates to Budget Workbook to include monthly tracking of actual costs for ARWA review.
- Finalize development of projected Operation and Maintenance costs and address feedback received from ARWA.

- Task 4 – Schedule
 - 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.
 - Provide schedule quarterly update presentation to the Technical Committee, Board, and Project Advisory Committee.

- 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
 - Coordinate with Program Environmental Consultant to prepare Work Order for additional fieldwork effort response to United States Army Corps of Engineers comments.
 - 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.
 - Coordinate with the Program Environmental Consultant to prepare and finalize 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 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.

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

- Coordinate with Program Survey Consultant, Program Environmental Consultant, and Land Acquisition team to address questions that arise as part of the field work coordination process.
- Perform weekly QC of parcel files in SharePoint, provide comments to Land Acquisition team.
- Weekly coordination meeting with land agents to discuss status of rights-of-entry and to provide Program clarification on any questions/requests that have come from landowners.
- Review Program Land Acquisition team, Program Appraiser, and Program Survey invoices.
- Continue field work coordination to notify landowners of upcoming field work by consultants.

- Task 9 – Texas Water Development Board Management
 - Continue preparations for TWDB reimbursement funding release.
 - Continue coordination with TWDB Staff to track all EFRs, environmental reports, and bid documents currently under review.

- Task 10 – Design Standards
 - Continue contractor outreach regarding the Procurement Process, including obtaining input on the Competitive Sealed Proposal process and input on the current format of the ARWA contract document templates.
 - Finalize sensitivity analysis of the Procurement Process analyzing evaluation criteria options per ARWA’s feedback.
 - Provide a Procurement update presentation to the Technical Committee, Board, and Project Advisory Committee.
 - Coordinate with design consultants and construction management team regarding the ARWA contract document templates and Competitive Sealed Proposal process.
 - Review and address comments received from the Design Consultants concerning the Pipeline Construction Standards.
 - Finalize the Cathodic Protection Program Standards.
 - Distribute finalized Security Standards given feedback from the PAC and Design Consultants.
 - Distribute finalized Fiber Standards given feedback from the PAC and Design Consultants.

- Task 11 – Engineering Design Management
 - Pipelines:
 - Segment A
 - Continue coordination with Design Consultant for final design.
 - Finalize and submit the Final 30% Engineering Feasibility Report to the TWDB.
 - Segment B

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

- Continue review of the Segment B 90% design submittal prepared by the Design Consultant.
 - Attend Segment B 90% Submittal Review Workshop.
 - Continue coordination with Design Consultant regarding for final design.
 - Finalize and submit the Final 30% Engineering Feasibility Report to the TWDB.
- Segment C
 - Finalize the 30% Engineering Feasibility Report prepared by the Design Consultant.
 - 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
 - Continue coordination with Design Consultant for final design.
- Segment E
 - Finalize and backcheck the 30% Engineering Feasibility Report prepared by the Design Consultant.
 - Continue coordination with Design Consultant regarding for final design.
- Wellfield:
 - Continue coordination regarding the construction of Wells 6-9.
- Raw Water Infrastructure:
 - Finalize review of the 90% design submittal prepared by the Design Consultant.
 - Continue coordination with Design Consultant regarding for final design.
- Water Treatment Plant:
 - Finalize review of the 90% design submittal prepared by the Design Consultant.
 - Attend 90% Submittal Review Workshop.
 - Attend intermediary Final Design Workshop.
 - Coordination with Design Consultant for final design.
- Booster Pump Station:
 - Coordination with Design Consultant for final design.
- Inline Elevated Storage Tanks:
 - Coordination with Design Consultant for 30% 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

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

- Task 13 – Electrical Power Planning
 - Attend meeting with ARWA and GVEC regarding electrical service to the WTP and wellfield.
 - 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 County TxDOT office concerning roadway crossings.
 - General Coordination with GVEC and BBEC.
 - Permit Tracking Log Updates.

- Task 16 – Other Services
 - Revise and finalize additional solar analysis and memo given ARWA’s comments.
 - Commissioning Planning
 - Continue evaluating the commissioning of the Phase 1B infrastructure.
 - Finalize the anticipated water volume required to commission the Phase 1B infrastructure.
 - Finalize and submit the City of San Marcos Watershed Protection Plan for the Booster Pump Station Plat.

Scope Elements Added/Removed:

None at this time.

Outstanding Issues/Concerns:

None at this time.

REGULAR MEETING
Alliance Regional Water Authority Technical Committee

COMMITTEE MEMBER PACKETS

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

Background/Information

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

Next Step(s)

- Phase 1B Program Schedule and Budget Update October 14, 2020

Technical Committee Decision Needed:

- Possible direction to Staff.



Phase 1B Program Schedule and Budget Update

Technical Committee Meeting
October 14, 2020

Kimley»Horn

Schedule Update



Kimley»Horn

Schedule Update

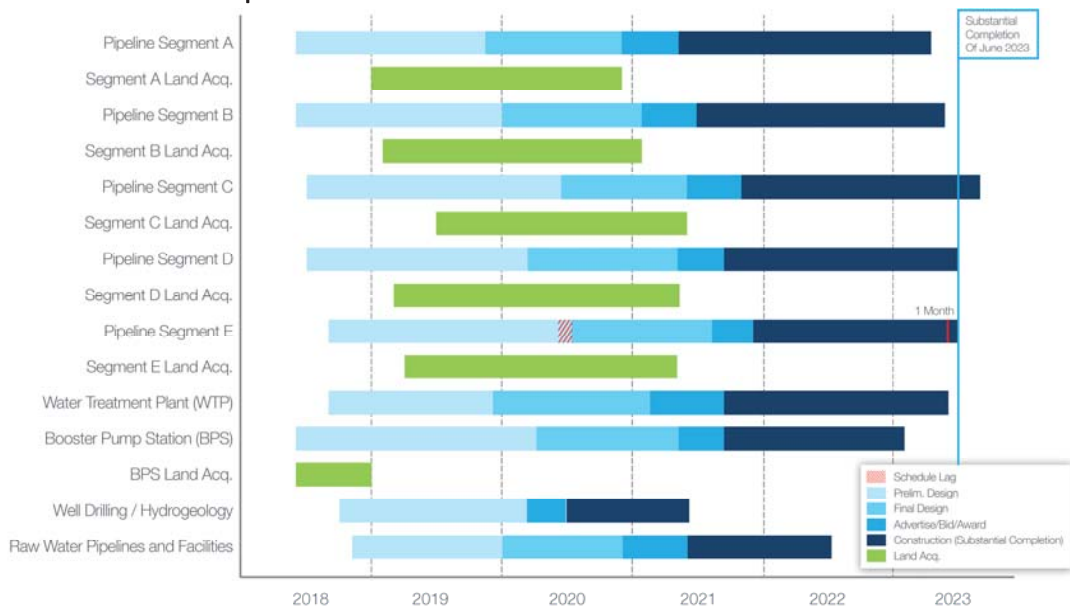
Developments Since Last Update

- COVID-19 and Easement Acquisition
- US Army Corps of Engineers Permit Delays
- Construction Contract Duration Assessments
 - Segments A, B, and D – assessments completed
 - All other projects – still under evaluation

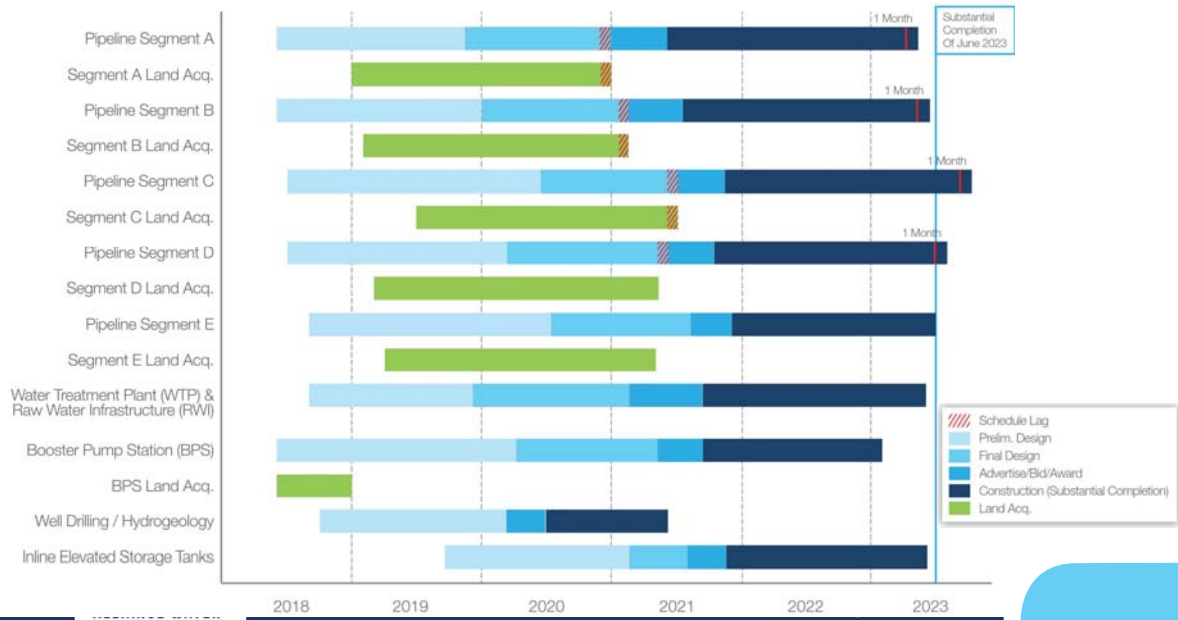


Kimley»Horn

Schedule Update – June 2020



Schedule Update – October 2020



Schedule Update

Transmission Pipelines – Segments A, B, C, D

- Delay – 1 month
- MITIGATION:
 - Accelerated review of environmental reports by Program
 - Expedited decisions/input on land acquisition issues

Transmission Pipelines – Segment E

- No Change

Well Drilling, Water Treatment Plant, Booster Pump Station, & Raw Water Infrastructure

- No Change

Schedule Update

Potential Concerns

- Land Acquisition and COVID-19
- US Army Corps of Engineers Permit Approval

Next Steps

- Adjust project schedules for Commissioning
- Evaluate project schedules for Procurement



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Budget Update



Kimley»Horn

Cost Allocation for Combined Program

Construction Package	ORIGINAL		REVISED	
	ARWA (%)	GBRA (%)	ARWA (%)	GBRA (%)
WTP Construction	53.50	46.50	45.00 41.23	55.00 58.77
SCADA	50.00	50.00	50.00	50.00
BPS Construction	63.30	36.70	63.00 58.00	37.00 42.00
Inline EST Construction	75.00	25.00	75.17	24.83
GBRA Delivery Meter Stations	50.00	50.00	50.00	50.00
Pipeline Segments A Construction	60.00	40.00	56.80	43.20
Pipeline Segment B1 Construction	65.22	34.78	61.90	38.10
Pipeline Segment B2 Construction	69.20	30.80	76.19	23.81
Pipeline Segment D1 Construction	75.17	24.83	75.17	24.83
Pipeline Segment D2 Construction	74.58	25.42	74.58	25.42
Pipeline Segment E Construction	65.22	34.78	65.22	34.78
Land Acquisition, Engineering, Other Support Services	50.00	50.00	50.00	50.00
TOTAL	60.30	39.70	58.37	41.63

9



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COST UPDATES BASED ON JULY MILESTONE SUBMITTALS

Construction Package	ORIGINAL	REVISED	DIFFERENCE	
	ARWA Total Projected Cost	ARWA Total Projected Cost		
Combined Program Infrastructure				
Water Treatment Plant	\$ 24,500,000	\$ 28,900,000	UPDATE 26,900,000	UPDATE (\$ 4,400,000) (2,000,000)
SCADA Fiber Backbone	\$ 900,000	\$ 700,000	400,000	(\$ 200,000) (500,000)
Booster Pump Station & GBRA Meter Stations	\$ 15,300,000	\$ 15,000,000	13,300,000	(\$ 300,000) (1,700,000)
Inline EST (South)	\$ 3,600,000	\$ 3,500,000		(\$ 100,000)
Pipeline Segment A	\$ 28,600,000	\$ 24,100,000	23,700,000	(\$ 4,500,000) (4,900,000)
Pipeline Segment B	\$ 29,400,000	\$ 34,400,000	32,700,000	\$ 5,000,000 (1,700,000)
Pipeline Segment D	\$ 36,300,000	\$ 35,400,000	43,500,000	(\$ 900,000) 8,100,000
Pipeline Segment E	\$ 9,500,000	\$ 9,800,000		\$ 300,000
Subtotal	\$148,100,000	\$151,800,000	153,800,000	\$ 3,700,000 2,000,000
ARWA-Only Infrastructure				
Wellfield	\$ 3,800,000	\$ 3,100,000		(\$ 700,000)
Water Treatment Plant	\$ 2,600,000	\$ 2,600,000		No Change
ARWA Delivery Points	\$ 6,100,000	\$ 6,900,000	5,500,000	\$ 800,000 (1,400,000)
Inline EST (North)	\$ 5,400,000	\$ 7,600,000		\$ 2,200,000
Raw Water Infrastructure	\$ 7,400,000	\$ 11,500,000	10,100,000	\$ 4,100,000 (1,400,000)
Administration and Operations Building	\$ 4,300,000	\$ 4,200,000		(\$ 100,000)
Pipeline Segment C	\$ 64,500,000	\$ 68,700,000		\$ 4,200,000
Pipeline Segment E	\$ 6,700,000	\$ 14,100,000		\$ 7,400,000
Subtotal	\$100,800,000	\$118,700,000	115,900,000	\$ 17,900,000 (2,800,000)
Total	\$248,900,000	\$270,500,000	269,700,000	\$ 21,600,000 20,800,000
Contingencies	\$65,900,000	\$58,900,000	53,600,000	(\$ 7,000,000) (12,300,000)
Total with Contingencies	\$314,800,000	\$329,400,000	323,300,000	\$ 14,600,000 8,500,000

Budget Update

Next Steps

- Pipeline cost development coordination
- Continued value engineering efforts
- Additional contractor feedback and bid tracking



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Questions?



Kimley»Horn

REGULAR MEETING
Alliance Regional Water Authority Technical Committee

COMMITTEE MEMBER PACKETS

Wednesday, October 14th, 2020 at 3:00 P.M.
Conference Call Number: 1-903-405-2572; Code: 299 877 889#

- F.4** Update, discussion and possible direction to Staff regarding a Procurement Update for the Phase 1B Program. ~ *Ryan Sowa, P.E., Kimley-Horn & Associates*
-

Background/Information

The Authority went through a process in 2019 to identify various cost saving measures that could be incorporated into the Phase 1B Program to reduce the overall program costs. One of the measures identified and approved by the Board was to re-package construction contracts to allow contractors to identify savings should they be awarded multiple projects. The analysis identified a savings of approximately 5% by packaging the facility work and an additional 10% of savings by packaging the Segment A and B pipelines.

Kimley-Horn has continued to review and assess the options for procurement of the construction contracts. They will provided an update to the Technical Committee on procurement of the various contracts.

Attachment(s)

- Procurement Update Presentation – October 14, 2020

Technical Committee Decision Needed:

- Possible direction to Staff.



Phase 1B Program Update

Procurement Update
October 14, 2020



Kimley»Horn

Procurement Update

Background

- Nine (9) Construction Contracts Anticipated
- Competitive Sealed Proposal (CSP) Process
 - Price
 - Quality, Reputation, and Ability to Complete Similar Projects
 - Key Personnel
 - Detailed Schedule and Written Work Plan
 - Safety Record
 - HUB Compliance Plan
 - Other

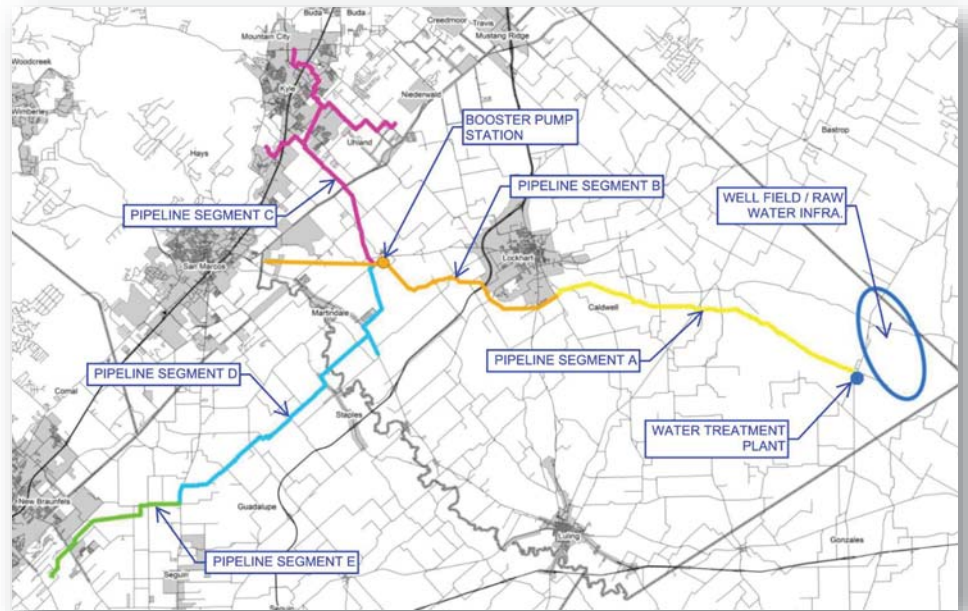


Kimley»Horn

Procurement Update

Current focus on first 4 contracts to be released in 2021:

- Water Treatment Plant
 - Late January
- Segment A
 - Late February
- Booster Pump Station
 - Mid March
- Segment B
 - Early April



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Procurement Update

Procurement Options

- Keep packages separate, bid simultaneously
 - Contractor provides input on savings if selected for multiple packages
 - Maximizes potential savings by giving all contractors opportunity upfront to identify their ability to be efficient
 - Have to weigh risk of delaying projects from going to construction
- Keep bids and award of bids staggered per schedule
 - Once first contract is selected, limits opportunity to see efficiency savings from multiple contractors (advantage belongs only to selected contractor)
- Combining packages
 - Limits flexibility and contractor pool



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Procurement Update

Contractor Feedback Received So Far

- Pursuit of Multiple Contracts
 - Contractors that will pursue all 4 contracts – limited
 - Contractors that will pursue both facilities – multiple
 - Contractors that will pursue both pipelines – multiple
 - Workload could be a significant factor

- Generally Open to Simultaneous Bid Concept
 - Agreement that significant savings could be recognized
 - Some concern regarding whether the CSP process is undermined

- Procurement Durations
 - Pipelines – 5 to 6 weeks preferred
 - Facilities – 6 weeks minimum; 7 to 8 weeks preferred



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Procurement Update

Base Evaluation Criteria to be analyzed

Evaluation Criteria	Points
Proposal Price	50
Quality, Reputation, and Ability to Complete Similar Projects on Schedule and Within Budget	15
Drilling Equipment	5
Key Personnel	10
Detailed Schedule and Written Work Plan	10
Safety Record	5
Historically Underutilized Business (HUB) Program Compliance Plan	5
Maximum Score:	100

Ranges from Lowest Responsible Proposal Price from the Baseline	Total Points
Lowest Proposal Price	50
Added \$1 through \$50,000	45
Added \$50,001 through \$100,000	40
Added \$100,001 through \$150,000	35
Added \$150,001 through \$200,000	30
Added \$200,001 through \$250,000	25
Added \$250,001 through \$350,000	20
Added \$350,001 through \$400,000	15
Added \$400,001 through \$500,000	10
Added more than \$500,000	0
Maximum Score:	50



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Procurement Update – Sensitivity Analyses

Summary of Procurement

- Proposal Price Evaluation
 - Cost range vs points awarded
 - % diff. from low bidder vs points awarded
 - \$25 million project vs \$50 million
- Overall Evaluation Criteria
 - Proposal Price criteria impacts to overall score
 - # of points for Proposal Price (30 to 60) vs all other factors
 - Variety of non-price point totals to understand how much other factors weigh vs cost

Contractor	Bid Price	% > Low	
		Bidder	Difference
A	\$ 21,000,000.00	0%	\$ -
B	\$ 21,420,000.00	2%	\$ 420,000
C	\$ 21,856,800.00	4%	\$ 856,800
D	\$ 22,311,408.00	6%	\$ 1,311,408
E	\$ 22,784,912.64	8%	\$ 1,784,913
F	\$ 23,278,491.26	10%	\$ 2,278,491



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Procurement Update – Sensitivity Analyses

Situation: 25 Million Dollar OPCC
 Low Bidder of TPP for all criteria
 All Others of TPP for all criteria
 Changed bidder amounts

Contractor	Bid Price	% > Low Bidder	Difference	Points Awarded
A	\$ 21,000,000.00	0%	\$ -	50
B	\$ 22,260,000.00	6%	\$ 1,260,000	35
C	\$ 22,780,800.00	8%	\$ 1,780,800	30
D	\$ 23,278,080.00	10%	\$ 2,278,080	25
E	\$ 23,793,369.60	12%	\$ 2,793,370	20
F	\$ 24,331,071.74	14%	\$ 3,331,072	15

Sensitivity of % difference from low bidder vs points awarded Data Source: Analysis 1B; A and U
\$25 Million Project (6 bidders)
 Assumptions:
 Low Bidder Evaluation Criteria 50% of Total Possible Points (TPP)
 All other bidders Evaluation Criteria 75% (TPP)
 Bid Prices based on % of low bidder
 Summary:
 Low bidder wins project if the second bidder has a bid over 6% higher than the low bidder's price

\$50 Million Project (6 Bidders)
 Assumptions:
 Low Bidder Evaluation Criteria 50% (TPP)
 All other bidders Evaluation Criteria 75% (TPP)
 Bid Prices based on % of low bidder
 Summary:
 Low bidder wins project if the second bidder has a bid over 6% higher than the low bidder's price

Evaluation Criteria	Points	Contractor					
		A	B	C	D	E	F
Proposal Price	50	50	35	30	25	20	15
Quality, Reputation, and Ability to Complete Similar Projects on Schedule and Within Budget	15	7.5	11.25	11.25	11.25	11.25	11.25
Construction Equipment	5	2.5	3.75	3.75	3.75	3.75	3.75
Key Personnel	10	5	7.5	7.5	7.5	7.5	7.5
Detailed Schedule and Written Work Plan	10	5	7.5	7.5	7.5	7.5	7.5
Safety Record	5	2.5	3.75	3.75	3.75	3.75	3.75
Historically Underutilized Business (HUB) Program Compliance Plan	5	2.5	3.75	3.75	3.75	3.75	3.75
Maximum Score:	100	75	72.5	67.5	62.5	57.5	52.5

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Procurement Update – Sensitivity Analyses

Situation: 25 Million Dollar OPCC

Low Bidder 50% of TPP for all criteria
 All Others 75% of TPP for all criteria

60 Points for Proposal price
 changed bidder price

Contractor	Bid Price	% > Low Bidder	Difference	Points Awarded
A	\$ 21,000,000.00	0%	\$ -	60
B	\$ 21,840,000.00	4%	\$ 840,000	48
C	\$ 22,260,000.00	6%	\$ 1,260,000	42
D	\$ 22,680,000.00	8%	\$ 1,680,000	36
E	\$ 23,100,000.00	10%	\$ 2,100,000	30
F	\$ 23,520,000.00	12%	\$ 2,520,000	24

Review of total Proposal Points vs other factors

Data Source: Analysis 2A25; AE

\$25 Million Project (6 bidders)

Assumptions:

- Low Bidder Evaluation Criteria 50% (TPP)
- All other bidders Evaluation Criteria 75% (TPP)
- Bidder price based on % of low bidder
- Bidder price changes
- Proposal Price - 60 points
- Quality and Schedule reduced 5 points

Summary:

Low bidder is first if second place bid is 4% higher

Evaluation Criteria	Points	Contractor					
		A	B	C	D	E	F
Proposal Price	60	60	48	42	36	30	24
Quality, Reputation, and Ability to Complete Similar Projects on Schedule and Within Budget	10	5	7.5	7.5	7.5	7.5	7.5
Construction Equipment	5	2.5	3.75	3.75	3.75	3.75	3.75
Key Personnel	10	5	7.5	7.5	7.5	7.5	7.5
Detailed Schedule and Written Work Plan	5	2.5	3.75	3.75	3.75	3.75	3.75
Safety Record	5	2.5	3.75	3.75	3.75	3.75	3.75
Historically Underutilized Business (HUB) Program Compliance Plan	5	2.5	3.75	3.75	3.75	3.75	3.75
Maximum Score:	100	80	78	72	66	60	54

Kimley»Horn

Procurement Update

Next Steps

- Continued contractor feedback
 - Procurement Approach
 - RFCSP Documents
- Continued schedule evaluation
 - Bid Readiness
 - Commissioning
- Coordination with design consultants and Construction Management team
- Finalize RFCSP Documents

REGULAR MEETING
Alliance Regional Water Authority Technical Committee

COMMITTEE MEMBER PACKETS

Wednesday, October 14th, 2020 at 3:00 P.M.
 Conference Call Number: 1-903-405-2572; Code: 299 877 889#

F.5 Update, discussion and possible direction to Staff regarding the Authority's 2020 SWIFT Funding. ~ *Graham Moore, P.E., Executive Director*

Background/Information

The TWDB released the official SWIFT rates for 2020 on October 1st – below compares these rates to the previous rates, including the rates utilized in the 2020-21 budget.

SWIFT - Net Interest Cost					
<i>Maturity Schedule</i>	<i>2015</i>	<i>2017</i>	<i>2019</i>	<i>2020 - Budgeted*</i>	<i>2020 - FINAL</i>
30-year	2.88%	2.76%	2.37%	2.65%	2.03%
20-year	1.97%	1.85%	1.54%	1.78%	1.15%

* Included 50-basis point cushion

The table below compares the total Principle & Interest (P&I) paid on the three series of bonds for the Phase 1B Program (2017, 2019 and 2020 issuances) as compared the budgeted payments in 2017. The savings occurred even though the Authority issued \$27 million more than expected in 2017.

TOTAL PHASE 1B P&I COMPARISON			
	Budgeted	Actual	Savings
CRWA	\$ 112,075,704	\$ 102,610,567	\$ 9,465,137
Kyle	\$ 102,206,946	\$ 93,585,855	\$ 8,621,091
San Marcos	\$ 102,590,222	\$ 99,774,657	\$ 2,815,565
Buda	\$ 14,533,138	\$ 14,091,714	\$ 441,424
TOTAL	\$ 331,406,010	\$ 310,062,793	\$ 21,343,217

Staff has reached out to the Sponsors to reserve a spot on their respective October meeting agendas for approval of all resolutions and agreements. Below is the schedule for all key steps.

REGULAR MEETING
Alliance Regional Water Authority Technical Committee

COMMITTEE MEMBER PACKETS

Wednesday, October 14th, 2020 at 3:00 P.M.
Conference Call Number: 1-903-405-2572; Code: 299 877 889#

<u>Date</u>	<u>Action</u>
10/12	CRWA Board approves bond resolution and related docs
10/19	County Line SUD Board approves bond resolution and related docs
10/20	San Marcos, Kyle and Buda City Councils approve bond resolution and related docs
10/22	Green Valley SUD & Crystal Clear SUD approves bond resolution and related docs
10/28	Alliance Water approves resolution and related docs
11/20	Closing date for Alliance Water bonds

Technical Committee Decision Needed:

- Possible direction to Staff.

REGULAR MEETING
Alliance Regional Water Authority Technical Committee

COMMITTEE MEMBER PACKETS

Wednesday, October 14th, 2020 at 3:00 P.M.
Conference Call Number: 1-903-405-2572; Code: 299 877 889#

- F.6** 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 October 13th.

Plum Creek Conservation District (PCCD)
The PCCD is scheduled to meet on October 20th.

Groundwater Management Area 13
The next GMA-13 meeting is scheduled for November 13th.

Region L Planning Group
No update.

Guadalupe-Blanco River Authority; Hays County Activities; CAPCOG Activities
No update.

Technical Committee decision needed:

- None.

REGULAR MEETING
Alliance Regional Water Authority Technical Committee

COMMITTEE MEMBER PACKETS

Wednesday, October 14th, 2020 at 3:00 P.M.
 Conference Call Number: 1-903-405-2572; Code: 299 877 889#

- 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 September Board meeting will be held Virtually on Wednesday, October 28th.

Consultant Invoices Paid

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

FY 19-20 CONSULTANT INVOICES PAID in SEPTEMBER 2020

Consultant	Total Authorized	Current Invoice	Invoiced-to-Date	% of Contract Invoiced	Remaining	Notes/ Anomalies
Mark B. Taylor	\$17,500.00	\$0.00	\$12,895.00	74%	\$4,605.00	
LAN - Kyle/Buda Design	\$122,484.31	\$982.50	\$45,512.69	37%	\$76,971.62	
Patricia Ehrlinger Carls	\$25,000.00	\$0.00	\$13,267.19	53%	\$11,732.81	
RW Harden	\$40,000.00	\$1,020.00	\$13,449.25	34%	\$26,550.75	
Tx Solutions Group	\$72,000.00	\$0.00	\$66,000.00	92%	\$6,000.00	
BGE - Ph 1A CA	\$53,938.59	\$10,911.18	\$46,828.51	87%	\$7,110.08	
LAN - ROW Acquisition	\$32,110.04	\$0.00	\$0.00	0%	\$32,110.04	
Kent Alan Sick - ROW Legal	\$45,000.00	\$3,376.39	\$47,577.36	106%	(\$2,577.36)	
LNV - Ph 1A Observations	\$4,006.84	\$0.00	\$3,470.00	87%	\$536.84	
LNV - GIS Svcs	\$30,777.63	\$6,425.00	\$14,084.00	46%	\$16,693.63	
MLA Labs, Inc. - Pump Station	\$10,814.00	\$0.00	\$2,965.00	27%	\$7,849.00	
Armstrong, Vaughan & Associates, P.C.	\$10,715.00	\$0.00	\$10,715.00	100%	\$0.00	
J.R. Tolles & Associates, Inc.	\$230,985.00	\$17,774.00	\$206,621.00	89%	\$24,364.00	
Lloyd Gosselink Rochelle & Townsend	\$92,105.00	\$5,999.00	\$69,920.91	76%	\$22,184.09	
MLA Labs, Inc. - Segment B	\$13,118.00	\$0.00	\$6,345.00	48%	\$6,773.00	
Total	\$800,554.41	\$46,488.07	\$559,650.91		\$240,903.50	

REGULAR MEETING
Alliance Regional Water Authority Technical Committee

COMMITTEE MEMBER PACKETS

Wednesday, October 14th, 2020 at 3:00 P.M.

Conference Call Number: 1-903-405-2572; Code: 299 877 889#

- Below is the report on the Phase 1B invoices paid in September.

PHASE 1B FY 19-20 CONSULTANT INVOICES PAID in SEPTEMBER 2020

Consultant	Total Authorized	Current Invoice	Invoiced-to-Date	% of Contract Invoiced	Remaining	Notes/ Anomalies
Kimley-Horn Ph 1B Owner's Rep w/O3	\$1,372,351.19	\$0.00	\$1,364,772.77	99%	\$7,578.42	
Kimley-Horn Ph 1B Owner's Rep w/O4	\$3,110,422.00	\$0.00	\$1,273,758.77	41%	\$1,836,663.23	
Blanton - Environmental	\$1,513,878.08	\$99,940.46	\$999,575.57	66%	\$514,302.51	
LAN - Segment A Prelim	\$182,524.80	\$0.00	\$66,160.60	36%	\$116,364.20	
LAN - Segment A Final	\$2,051,778.00	\$375,436.36	\$1,475,712.04	72%	\$576,065.96	
KFA - Segment B Prelim	\$118,202.94	\$0.00	\$104,927.00	89%	\$13,275.94	
KFA - Segment B Final	\$1,943,999.13	\$247,536.46	\$1,039,140.49	53%	\$904,858.64	
BGE - Segment C Prelim	\$196,631.20	\$0.00	\$160,054.32	81%	\$36,576.88	
BGE - Segment C Final	\$2,688,310.00	\$108,287.15	\$108,287.15	4%	\$2,580,022.85	
FNI - Segment D Prelim	\$73,867.86	\$0.00	\$10,334.20	14%	\$63,533.66	
FNI - Segment D Final	\$2,025,298.00	\$292,365.40	\$752,433.12	37%	\$1,272,864.88	
Walker - Segment E Prelim	\$283,489.60	\$24,196.41	\$223,459.58	79%	\$60,030.02	
Walker - Segment E Final	\$1,234,982.00	\$72,891.92	\$72,891.92	6%	\$1,162,090.08	
LAN - ROW Acquisition	\$2,145,847.22	\$46,633.81	\$438,992.83	20%	\$1,706,854.39	
DTR&G	\$894,535.31	\$33,272.02	\$326,357.19	36%	\$568,178.12	
CBRE - Appraisals	\$2,291,500.00	\$0.00	\$406,750.00	18%	\$1,884,750.00	
CP&Y - Survey	\$2,019,932.20	\$79,824.00	\$924,841.70	46%	\$1,095,090.50	
RW Harden - WDH	\$28,420.00	\$0.00	\$28,420.00	100%	\$0.00	
RW Harden - WDH Const Admin	\$384,200.00	\$12,518.40	\$12,518.40	3%	\$371,681.60	
LNV - Rwl	\$1,064,570.45	\$174,907.98	\$766,978.95	72%	\$297,591.50	
Walker Partners - WTP Prelim Design	\$254,937.12	\$0.00	\$253,663.76	100%	\$1,273.36	
Walker Partners - WTP Final Design	\$3,094,373.00	\$791,894.37	\$1,848,635.32	60%	\$1,245,737.68	
FNI - BPS Prelim	\$292,827.88	\$0.00	\$283,282.88	97%	\$9,545.00	
FNI - BPS Final	\$1,753,196.00	\$451,550.37	\$676,209.52	39%	\$1,076,986.48	
Plummer - Inline Elevated Tank	\$87,509.05	\$0.00	\$36,145.78	41%	\$51,363.27	
Pape-Dawson - CM&I w/O#1	\$64,280.00	\$5,557.50	\$47,399.56	74%	\$16,880.44	
Pape-Dawson - CM&I w/O#2	\$189,790.00	\$42,290.00	\$42,290.00	22%	\$147,500.00	
Total	\$31,361,653.03	\$2,859,102.61	\$13,743,993.42		\$17,617,659.61	

REGULAR MEETING
Alliance Regional Water Authority Technical Committee

COMMITTEE MEMBER PACKETS

Wednesday, October 14th, 2020 at 3:00 P.M.
 Conference Call Number: 1-903-405-2572; Code: 299 877 889#

Approved Change Orders

- See below for Change Orders approved in September 2020.

CHANGE ORDERS APPROVED IN SEPTEMBER 2020				
Consultant	Original Authorization	Change Orders to Date	Change Order Approved this Month	New Total Contract Amount
Walker Partners: 1B Segment E	\$ 408,755.00	\$ 164,719.00	\$ -	\$ 573,474.00
Black Castle - Phase 1A BPS Construction	\$ 4,999,080.00	\$ 111,827.56	\$ -	\$ 5,110,907.56
Drilling & Hydrogeology	\$ 114,000.00	\$ 31,380.00	\$ -	\$ 145,380.00
Freese & Nichols: 1B BPS & DP Prelim	\$ 771,617.00	\$ 44,408.00	\$ 9,545.00	\$ 816,025.00
K Friese & Assoc.: 1B Segment B	\$ 565,417.00	\$ 60,095.00	\$ -	\$ 625,512.00
BGE: 1B Segment C Prelim	\$ 614,626.00	\$ 34,430.00	\$ -	\$ 649,056.00
Freese & Nichols: 1B Segment D	\$ 597,714.00	\$ 66,722.00	\$ -	\$ 664,436.00
Walker Partners: 1B WTP (Prelim)	\$ 1,203,606.00	\$ 40,406.00	\$ -	\$ 1,244,012.00
CP&Y: Ph 1B Program Survey	\$ 3,375,780.00	\$ 83,500.00	\$ -	\$ 3,459,280.00
Freese & Nichols: 1B Segment D (Final)	\$ 1,999,464.00	\$ 25,834.00	\$ -	\$ 2,025,298.00
LAN: 1B Segment A Final Design	\$ 1,903,077.00	\$ 148,701.00	\$ 5,000.00	\$ 2,051,778.00
Blanton & Assoc: Environmental Invest.	\$ 1,398,775.00	\$ 150,703.00	\$ -	\$ 1,549,478.00
K Friese & Assoc: 1B Seg B Final Design	\$ 1,830,994.00	\$ 113,005.13	\$ -	\$ 1,878,842.13
LAN: 1A Seg B Const Admin	\$ 108,860.01	\$ 6,204.04	\$ -	\$ 115,064.05
Walker Partners: 1B WTP (Final)	\$ 2,900,402.00	\$ 193,971.00	\$ 61,335.00	\$ 3,094,373.00
LNV: 1B Raw Water (Design)	\$ 1,418,700.00	\$ 1,287.00	\$ -	\$ 1,419,987.00
Walker Partners: 1B Seg E (Final)	\$ 1,190,421.00	\$ 44,561.00	\$ -	\$ 1,234,982.00
JR Tolles: 1A CM&I	\$ 210,000.00	\$ 41,000.00	\$ -	\$ 251,000.00

REGULAR MEETING
Alliance Regional Water Authority Technical Committee

COMMITTEE MEMBER PACKETS

Wednesday, October 14th, 2020 at 3:00 P.M.
Conference Call Number: 1-903-405-2572; Code: 299 877 889#

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

Background/Information

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

REGULAR MEETING
Alliance Regional Water Authority Technical Committee

COMMITTEE MEMBER PACKETS

Wednesday, October 14th, 2020 at 3:00 P.M.

Conference Call Number: 1-903-405-2572; Code: 299 877 889#

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

- A. *Water supply partnership options*
 - B. *Groundwater leases*
 - C. *Acquisition of real property for water supply project purposes*
-

REGULAR MEETING
Alliance Regional Water Authority Technical Committee

COMMITTEE MEMBER PACKETS

Wednesday, October 14th, 2020 at 3:00 P.M.
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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*
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REGULAR MEETING
Alliance Regional Water Authority Technical Committee

COMMITTEE MEMBER PACKETS
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J. ADJOURNMENT
