



ASR WELL REPAIR RFCSP
Solicitation Number: CO-00534
Job No.: 22-0115

ADDENDUM 1
April 7, 2022

To Respondent of Record:

This addendum, applicable to work referenced above, is an amendment to the price proposal, plans and specifications and as such will be a part of and included in the Contract Documents. Acknowledge receipt of this addendum by entering the Addendum number and issue date on the space provided in submitted copies of the price proposal.

QUESTIONS

1. **Question:** Will SAWS accept a written letter from the supplier of a price increase or decrease from the time of bid to the time of Notice to Proceed to allow the contractor to change price accordingly?

Answer:

No, the selected Contractor will be required to hold pricing for 90 days from the proposal opening date, as indicated in the Contract Documents.

2. **Question:** Will SAWS allow the contractor to weld on stainless steel guides that are 14.4" – 14.6" OD to use in place of centralizers to decrease the possibility of the gravel bridging up?

Answer:

Respondents shall submit pricing per the plans and specifications. However, the awarded Contractor may submit a drawing or photos of the proposed guides for SAWS consideration and review after execution of the contract.

3. **Question:** Section SIR, E. SMWVB participation on this type project is very limited. 20% seems excessive for a contract with basically no subcontractors. Suppliers will be screen, casing and filter pack, none of which are SMWVB certified. Would it be possible to reduce the participation level?

Answer:

The 20% SMWB aspirational goal is not mandatory and is based upon the availability of Minority and Woman-owned Construction-related firms in the local area. Respondents will not be disqualified based on their SMWB participation. There are SMWB-certified companies in the local area that provide debris haul-off services, lighting, and CCTV firms who may be able to provide the color video called for in Scope of Work. Respondents may contact the SMWB Program Manager, Marisol Robles at Marisol.Robles@saws.org or by telephone at 210-233-3420 if they are interested in receiving lists of SMWB firms for support services.

4. **Question:** Please verify that 24-hour operation is allowable.

Answer:

The Contractor is allowed to work 24 hours per day, 7 days per week. Please see #14 in Changes to Specifications.

5. **Question:** Bid Item #2; Remove debris from bottom of well prior to liner installation. We can only estimate how long this process will take for our bid. What if the well continues to fill with debris during the removal process

and it extends beyond our estimated time frame for removal? Who would make the call to stop the removal process? Wouldn't it be better to establish a certain number of hours and if exceeded utilize a bid item to cover additional hours airlifting at the direction of the owner? Filter pack airlifts different than hard packed sand. Based on the TV surveys provided we cannot determine exactly which we are dealing with or how long it has been in the bottom of the well. All these factors have an effect on the removal time. For instance, 180' of fill in the bottom of the well could take 30-40 hours to remove. Could you not bid it based on that and then add an additional bid item for additional hours of airlifting in lieu of lump sum?

Answer:

Please see #4, #8, #9 and #10 in Changes to the Specifications.

A total of 48 hours has been dedicated for Removal of Debris from the Bottom of the Well for **each** of the two (2) wells **if required**. If debris removal requires additional time, it will be at an hourly rate defined on the revised Bid Proposal attached to this Addendum.

6. **Question:** Section 01110; Summary of Work, page 01110-5, 1.10: Project Control System; This project is a relatively small project for SAWS and will have minimal submittals, correspondence, photos and RFIs. Will SAWS still want to utilize this process to handle these items?

Answer:

The Project Control System outlined in section 01110 will be required. SAWS will require the Contractor to upload all submittals, correspondence, and RFI's to the CPMS system.

7. **Question:** Section 01322-1, 1.01; Construction Photographs and video survey; The activity on the job for this project will be minimal. Most of the contract time will be spent waiting on materials. Will the contractor be required to submit these items as outlined in the specifications?

Answer:

The contractor will not be required to submit construction photos or complete a video survey. Please see #11 in changes to specifications.

8. **Question:** Section 01326-1, 1.2; Schedule Software; We can provide a schedule with the bid as required, however, the timeline for this project is mainly waiting on materials with limited on site processes. Will SAWS require monthly updates as per the specifications?

Answer:

A project schedule with the proposal is required per section E. 2. A. ii. of the revised Supplementary Instructions to Respondents. Once the delivery date of materials is known, the contractor shall submit a revised project schedule during the construction phase. Monthly updates will not be required.

9. **Question:** Section 01451-1, 1.2; Quality Control Plan; Is this detailed project specific, quite extensive plan required to be submitted prior to any work on this project?

Answer:

No quality control plan will be required. Please see #12 in Changes to Specifications.

10. **Question:** Section 01500-2, 1.3; Project Sign; Are we required to provide project signs as specified on this project?

Answer:

No project sign will be required. Please see #12 in Changes to Specifications.

11. **Question:** Section 02633-7, 1.5E; Sand Production; Will the guarantee of no more than 5 ppm be dropped from the specifications? We can provide the Rossum sand sampler and perform the testing as specified, however, we cannot guarantee against the well producing sand when we are being told what filter pack size and screen slot size to install. There is no technical data or information indicating that the filter pack and screen slot size combination will achieve the desired result.

Answer:

The sand production guarantee will remain as specified in Section 02633. The gravel pack and the screen slot size are the same as the original well. The wells when originally constructed did not produce sand.

12. **Question:** What does SAWS plan for on a timeframe for a ward as steel pricing is extremely volatile?

Answer:

Award will occur June 7 with a Notice to Proceed planned for early June 2022.

13. **Question:** What will the contractor be responsible for adding gravel to roadways?

Answer:

The Contractor will not be responsible for adding gravel to the roadways within the SAWS property.

14. **Question:** Can the contractor remove the existing bypass boxes to make room for additional workspace?

Answer:

The Contractor can remove the bypass boxes to allow for additional workspace and reinstall them at the conclusion of the repair activities.

15. **Question:** How is contractor to handle the discharge water?

Answer:

Discharge water during debris removal, well development, and pump testing should be conveyed to the designated discharge areas shown on the maps contained within the specifications. Please see page 3 of 15 in the Appendix to the specifications. Areas for discharge are in close proximity to the well site and are indicated with a purple circle on the map.

16. **Question:** With Saws spec for the screen size, will the contractor be held to a specific efficiency requirement(s) during the pump test?

Answer:

No, the contractor will not be held to a specific efficiency requirement.

17. **Question:** Where is the contractor to dispose of the fill from the wells?

Answer:

The contractor can spread the fill from the wells in the field near the well site. The contractor should plan to distribute the fill in a thin layer across the field.

18. **Question:** Can the contractor submit a different screen size for approval based on conditions?

Answer:

Respondents shall submit pricing per the plans and specifications. The awarded contractor may submit a different screen size for review and consideration by the Owner.

CHANGES TO THE SPECIFICATIONS

1. Section IV-1 Request for Competitive Sealed Proposals (RFCSP) remove and replace the following paragraph

“Due to the COVID-19 emergency and to protect the health of the public, SAWS is implementing new procedures for the submission of proposals. Proposals will be received electronically only, until 2:00 PM (CDT), April 20, 2022. Electronic proposals will be received via the secure SAWS FTP site. See the Electronic Proposal Opening Instructions attachment for additional information regarding an electronic proposal submittal. Electronic proposals shall be accompanied by a bid bond in an amount not less than five percent of the total proposal price. (Or, if providing SAWS with a cashier's check or certified check in an amount not less than five percent of the total proposal price, SAWS will request this within 24 hours from the Respondent who did not submit a bid bond). Proposals will then be publicly opened and read aloud by Contract Administration via WebEx.

The remaining sections shall remain the same.

2. Remove the Electronic Proposal Opening Instructions in its entirety and replace with the revised version attached to this Addendum.
3. **Insert** “Respondent’s Proposal Checklist” immediately following the Workers’ Compensation Insurance Coverage Requirements on page WC-3. This document is referenced in the Table of Contents but was not included within the signed and sealed specifications.
4. **Remove and Replace** the “Price Proposal” after page RQ-3. This revised version shall be used when preparing and submitting the Respondent’s proposal. Failure to use the revised Price Proposal may result in the Respondent’s proposal being found non-responsive. Changes include:
 - On Line Item No. 2 “Remove Debris from Bottom of Well Prior to Liner Installation” was modified to an hours unit and assigned a total of 96 hours to complete the work for both wells.
 - Add Line Item No. 18 “Additional Hours for Debris Removal from Bottom of Well at direction of Owner” to define cost of each additional hour should it be needed.
5. **Remove and Replace** the “Supplementary Instruction to Respondents” after page IR-6. This document shall be referenced when preparing the Respondent’s proposal.
6. **Insert** “Evaluation Criteria Forms” immediately following the “Supplementary Instruction to Respondents”. These forms shall be used by all Respondent’s when submitting a proposal for this project

7. Supplemental Conditions

Page SS-2, Insert Article V – Contract Responsibilities

Remove Section 5.7.1.1.7.8 in its entirety and **replace** with the following:

Installation Floater – Physical Damage Insurance which insures SAWS and the City for damages to all Property Purchased for, or Assigned to, the Project commencing on the start date through completion. Policy limits shall be in an amount equal to the total contract cost contracted herewith. The policy form shall be an All Risk form and shall include coverage for both during transit and while stored at the work site.

All other sections remain the same.

8. Measurement & Payment

Revise Section 01270 1.8 Measurement and Payment, Part 1: ASR Well Repair, Item No. 2, No. 1 Description, To include “A total of 96 hours will be assigned for the completion of this task if required.”

9. Measurement & Payment

Insert Section 01270 1.8 Measurement and Payment, Part 1: ASR Well Repair, Item No. 18 – “Additional Hours of Debris Removal from the Bottom of the Well at the Direction of the OWNER/ENGINEER (if required)”

10. Measurement & Payment

Revise Section 01270 1.8 Measurement and Payment, Part 1: ASR Well Repair, Item No. 19 – “Standby Time at the Direction of the OWNER/ENGINEER” to match the correct number order.

11. **Remove** Section 01322 Construction Photographs and Video Surveys in its entirety.

12. **Delete** Section 1.2(B.) and (C.) of 01451 Quality Control Plan and re-letter. The remainder of this section remains the same.

13. **Delete** 1.3 of Section 01500 Construction Facilities and Temporary Controls and re-number remaining sections.

14. Supplemental Conditions, insert the following:

General Conditions, Article V – Contract Responsibilities, Section 5.18 is revised to read:

5.18 WORKING HOURS – Work will be allowed 24 hours a day 7 days a week.

END OF ADDENDUM 1

This Addendum is thirty-six (36) pages in its entirety.

Attachments:

Respondent's Proposal Checklist (1 Page)

Supplementary Instruction to Respondents (8 Page)

Evaluation Criteria Forms (7 Pages)

Electronic Proposal Opening Procedures (1 Page)

Price Proposal Signature Page (3 Pages)

ASR Well Repair Section 01270 Measurement and Basis of Payment (11 Pages)

RESPONDENT'S PROPOSAL CHECKLIST

Project Name: ASR Well Repair RFCSP

SAWS Job No. 22-0115

SAWS Solicitation Number: CO-00534

FILE 1

Titled: PROPOSAL_CO-00534_PROJECT
NAME_FIRM NAME

- Signed Price Proposal/Acknowledgement of Addenda
- General Price Proposal Items (latest versions)
- Signed Proposal Certification Page (PC-1)
- Bid Bond*

FILE 2

Titled: ORIGINAL PROPOSAL_CO-
00534_PROJECT NAME_FIRM NAME

- Proposal Checklist
- Statement on President's Executive Orders – Page IR - 5
- Good Faith Effort Plan
- Conflict of Interest Questionnaire – Form CIQ (Rev. 01/01/2021)
- W-9
- Proof of Insurability (Letter from Insurer or Sample Certificate of Insurance)
- Respondent Questionnaire
- Evaluation Criteria
 - Background, Experience and Past Performance
 - Project Approach/Team Experience

FILE 3

Titled: COPY_CO-00534_PROJECT
NAME_FIRM NAME
(Excludes Price Proposal)

- Proposal Checklist
- Respondent Questionnaire
- Evaluation Criteria
 - Background, Experience and Past Performance
 - Approach/Team Experience

I certify that the proposal packet submitted includes the items as indicated above.

Signature

Date

Printed Name

Title

Firm Name

SUPPLEMENTARY INSTRUCTIONS TO RESPONDENTS

The San Antonio Water System (SAWS) Board of Trustees and/or its designated representative have determined that the Competitive Sealed Proposals method of procurement will provide the best value for SAWS for this project. This procurement shall conform to Section 2269 of the Texas Government Code.

This document provides general information about the requirements and evaluation for this Request for Competitive Sealed Proposals (RFCSP).

A. EVALUATION OF PROPOSALS

1. SAWS will conduct a comprehensive, fair, and impartial evaluation of all Competitive Sealed Proposals received in response to this request within 45 days of receipt of the proposals. SAWS will appoint a selection committee to perform the evaluation. SAWS will evaluate and rank each proposal in relation to the following selection criteria:

Background/Experience and Past Performance	29%
Project Approach/Team Experience	24%
Price	37%
Small, Minority, and Women-owned Business Participation	<u>10%</u>
Total:	100%

2. During the evaluation and ranking of Respondents’ proposals, SAWS reserves the right to consider the following:
 - a. Whether the Respondent can perform the contract within the specified time. In making this determination SAWS may take into account Respondent’s existing commitments and whether in SAWS’ sole discretion those commitments will adversely impact Respondent’s ability to complete the work in the scheduled time.
 - b. The quality and punctuality of performance on any current or previous contracts.
 - c. SAWS may contact references provided by the Respondent, as well as any other references to verify qualifications, experience and performance. In making this determination, SAWS may take into account work performed by the Respondent on any project, including but not limited to SAWS projects, projects that the Respondent provides as references and any other projects that SAWS has knowledge of.
 - d. Respondent’s previous and existing compliance with the applicable laws, ordinances, permits, and regulations.
 - e. Respondent’s financial resources and ability to perform the contract.

If Respondent fails to provide a response to each of the Evaluation Criteria identified within this RFCSP, points may be deducted, or the proposal may be considered non-responsive and ineligible for consideration.

B. SUMMARY OF WORK

This Summary of Work is included as part of this Solicitation to provide a general basis for Respondents to determine what is reasonably comparable. The work consists of, but is not limited to, the following:

1. The work associated with this project requires knowledge and experience in the repair of existing wells, installation of liners, and the elimination of formation sand entering the well bore. SAWS has two existing ASR production wells requiring installation of a liner. The OWNER desires to correct this problem by installation of a centralized nominal 12-inch diameter stainless steel screen/blank liner within the existing cased well and emplace a 12/20 gravel pack between the original casing face and the new liner. Well pumps and motors will be removed prior to the start of work. Work will include removal/reinstallation of any piping around the existing wellhead that would interfere with the repair operation, removal of any debris in the bottom of the existing well prior to installation of the new liner, installation of the stainless steel screen and blank liner, installation of 12/20 silica gravel pack, development of the well, pump testing, management of development and pump test water, removal of any debris from the bottom of the new liner at the conclusion of activities, and completion of a color video log.

The ASR wells to be repaired are 16-inch diameter (OD) and are a straight wall construction with a mild steel upper casing to approximately 400 feet below land surface. The lower portion of the well contains nominal 16-inch, Type 304 stainless steel rod-based, continuous wire wrapped screen with a 0.035 slot size. Blank Type 304 stainless steel (0.375" wall) was placed between the screen sections and in the sump below the lowest screen. The work is located at the SAWS H₂Oaks facility approximately 25 miles south of San Antonio. Additional information, a location map, photos, and well construction diagrams for each well site are included in the Appendix attached to this document.

Respondents should reference the Contract Documents prior to submitting a proposal for this RFCSP to fully understand the entire scope of work for this Project.

The decision of "comparability" when evaluating the Respondent's proposal is at the complete discretion of SAWS.

C. REQUIRED EXPERIENCE

1. Respondent must have the following experience: installation of stainless-steel liner in an existing large diameter municipal supply well, emplacement of a continuous gravel pack between the existing well casing face and the new liner so that no voids will exist, and pump testing.

D. DEFINITIONS

1. Personnel for the purpose of this RFCSP is defined as employees of the Prime Contractor, or any subcontractor(s), affiliates, joint venture partners, or team members, and consultants engaged by any of those entities.

2. The personnel specified below are considered by SAWS to be essential to the work being performed under this Contract, and as such are defined as Key Personnel. Key Personnel include the Project Manager, Project Superintendent, Quality Control (QC) Inspector, Safety Coordinator and any other Key Personnel. Key Personnel shall be dedicated exclusively to this Project and shall be assigned as full-time employees for the duration of the Project.
3. Subcontractor is defined in Article I, Contract Definitions of the General Conditions of the Contract Documents. Respondents should reference this definition prior to submitting a proposal in response to this RFCSP.
4. Key Subcontractors for the purpose of this RFCSP are defined as subcontractors that are responsible for executing a significant portion of the work, and as such are deemed to be essential to the work being performed under this Contract. The Key Subcontractor roles include electrical, Process Control and System, Integrator (PCSI), Application System Provider (ASP).

E. RESPONSE FORMAT

1. Background, Experience and Past Performance (29 Points)

a. During the evaluation process, SAWS will consider the following information from the Prime Contractor:

- i. Provide current business organizational structure, type of business structure, and stability of organization.
- ii. Provide Debarment history for the company for the last ten (10) years.
- iii. Provide any litigation, arbitration, and claims history for the last three (3) years and any litigation, arbitration, and claims history with SAWS regardless of the year they occurred.
- iv. Indicate the number of years performing contracting/construction work under current legal business name and/or previous legal business name(s).

b. Project Experience/Safety

List and describe:

- i. Three (3) completed projects of similar size and scope within the last seven (7) years
- ii. Include a valid reference with contact information.

Each project should include the following information:

- Project name.
- Utility/Owner name and contact information (phone number and email address) for Utility/Owner's Project Manager.
- Role served by the proposed Key Personnel on the project.
- Original (bid/price) and final construction in place costs.
- Project description and why it is comparable to the size, scope, and complexity of the project part of this RFCSP.
- Total costs of change orders, as well as explanation regarding the reason for specific change orders.
- Date of Notice to Proceed.

- Identify whether the project was completed on-time and within budget.
- Original Contract Time (State Calendar Days or Working Days).
- Original Contract Substantial Completion Date and Actual Substantial Completion Date.
- Original Contract Completion Date and Actual Completion Date.
- Actual number of days beyond the original contract.
- Actual number of days added through change orders. If Contract time extensions were added to the contract as a result of Prime Contractor's responsibilities, provide a short explanation of each.
- The recovery schedule/plan and implementation of such, if it was required. If a recovery schedule/plan was implemented, describe whether the project was successfully brought back on schedule. Please discuss, as necessary and deemed appropriate.

If valid contact information is not provided, the project may not be considered and the Respondent's score for this criteria may be reduced and/or Respondent's proposal may be deemed non-responsive.

- iii. One (1) of the three (3) projects must have been performed by the Construction Manager, Project Manager, and/or superintendents as proposed for this project.
- iv. If respondent has SAWS experience, at a minimum, one (1) SAWS project must be submitted out of the three (3).
- v. Schedule
 - Original project schedule and final/actual construction completion
 - Actual # of days beyond the original contract
 - Actual # of days added through change orders
 - The recovery schedule/plan for each project and discuss implementation of such, if it was required, if implemented, was the project brought back on schedule. Please discuss.

Safety please provide:

Safety Information for Prime Contractor and Key Subcontractor(s)

- i. Provide records showing Total Recordable Incident Rate (TRIR) for each year for the past five (5) years for the Prime Contractor and Key Subcontractor(s).
- ii. Provide records showing the company's Experience Modification Rate (EMR) for the past three (3) years for the Prime Contractor and Key Subcontractor(s).
- iii. List any fatalities in the company's safety history for the Prime Contractor and Key Subcontractor(s).

2. Project Approach/Team Experience (24 Points)

a. Project Approach

- i. Provide a detailed narrative of the project approach describing how the Respondent will complete this project. Focus on the stainless-steel liner and gravel pack installation. The Respondent shall provide details of the methods to be certain that a continuous gravel envelop will be installed between the new liner and the face of the existing casing so that no voids occur. Include milestones, specific critical processes, phases, approvals, and procurements anticipated to complete the project.

- ii. Provide a description of the approach specifically addressing the procurement of 12-inch diameter stainless steel screen and blank casing **and estimated lead times required.**
- iii. Provide a corresponding Primavera or Microsoft project (CPM milestone) schedule.
- iv. Provide any innovative ideas for cost savings (due to method or duration) for this project.

b. Team Experience

- i. On separate 8 ½” x 11” sheets, provide resumes (one per person) and not to exceed one (1) page, for Project Manager, Superintendent, Quality control Inspectors, Safety Coordinator, and any other key personnel – Subcontractor (minimum Electrical, Process Control and System Integrator, (PCSI), Application System Provider (ASP)). Key Personnel resumes should include qualifications, licenses, certifications and relevant experience.
- ii. Provide a one-page organizational chart that summarizes the roles and responsibilities of the key team members.
- iii. Provide a list of subcontractors with a description of their role and percentage (%) of work for this project.

F. Price (37 Points)

The Proposal with the lowest total price will receive thirty-seven (37) points. Proposals will receive a percentage of the thirty-seven (37) points based on a comparison with the lowest total price proposal as described below.

Computation Steps:

- i. Step 1. Determine lowest total price and award 37 points for price.
- ii. Step 2. Calculate the ratio between the lowest total price and each proposal. Multiple the ratio by 37 to obtain the points earned.

Proposal	Price	Calculation	Points Earned
A	\$1,375,000	$(1,250,000/1,375,000) \times 37$	33.64
B	\$1,300,000	$(1,250,000/1,375,000) \times 37$	35.58
C	\$1,250,000	$(1,250,000/1,250,000) \times 37$	37.00

1. Small, Minority, Woman, and Veteran-Owned Business Participation (10 Points)

- a. Equal Employment Opportunity Requirements - SAWS highly encourages Respondents to implement Affirmative Action practices in their employment programs. This means Respondents should not discriminate against any employee or applicant for employment because of race, color, religion, sex, pregnancy, sexual orientation, national origin, political belief or affiliation, age, disability or genetic information.

The SAWS Board of Trustees has adopted a Small, Minority, Woman, and Veteran-owned Business (SMWVB) Policy to establish and oversee a program that will support the inclusion of local small, minority, woman, and veteran-owned businesses (SMWVB). It is the policy of SAWS that it will ensure that local small, minority, woman, and veteran-owned businesses have an equal opportunity to compete for,

receive and participate in SAWS contracts. It is our policy to:

- Ensure nondiscrimination in the award and administration of SAWS contracts;
- Create a level playing field on which SMWBs can compete fairly for SAWS contracts;
- Ensure that only firms that attempt to meet small, minority, and woman-owned business good faith efforts are considered for contract awards.

Respondent’s commitment to SAWS SMWB policy will be based on meeting or exceeding the minimum aspirational SMWB goal of 20%. The minimum goal is based on the total contract value. Points will be awarded based on the following tiered scales.

Please note that as of 1/1/2017, an updated SMWVB Policy and scoring methodology are being implemented by San Antonio Water System. Veteran-owned Business Enterprises (VBEs), are tracked for statistical purposes, but are not eligible for points. **The maximum number of Small, Minority, and Woman-owned Business (SMWB) points to be earned is 10 points.** Self-performance and subconsulting may be used to achieve the aspirational goals and earn points. **SMWB Respondents and/or subconsultants must be certified by the South Central Texas Regional Certification Agency. Eligible firms (including MBEs and WBEs) must also be certified as a Small Business Enterprise (SBE), must perform a commercially-useful function on the project, and must have a local presence in the San Antonio Metropolitan Statistical Area in order to be counted for SMWB points.** Please see the Good Faith Effort Plan for definitions of terms. All Respondents, whether SMWB or not, may earn the **maximum number of SMWB points (10)** by adhering to any combination of the following point structures when attempting to meet the aspirational goals:

A. M/WBE Scoring Method: Up to 10 Points (By percentage). 20.00% M/WBE Goal:
• MBE Participation Percentage between 1% and 4.99%: 1 Point
• MBE Participation Percentage between 5% and 9.99%: 2 Points
• MBE Participation Percentage between 10% and 14.99%: 4 Points
• MBE Participation Percentage between 15% and 16.99%: 5 Points
• MBE Participation Percentage between 17% and 19.99%: 8 Points
• MBE Participation Percentage meeting or exceeding 20.00%: 10 Points
B. SBE (Non-M/WBE) Scoring Method (for participation of firms whose sole certification is “SBE”): Up to 5 Points (By percentage). 5% SBE Participation:
• SBE Participation Percentage between 1% and 1.99%: 1 Point
• SBE Participation Percentage between 2% and 2.99%: 2 Points
• SBE Participation Percentage between 3% and 3.99%: 3 Points
• SBE Participation Percentage between 4% and 4.99%: 4 Points
• SBE Participation Percentage meeting or exceeding 5.00%: 5 Points

<p>C. Optional: Prior subcontractors/supplier utilization compliance averages for the past 2 years may be considered when totaling the SMWB score, based upon data from the Subcontractor Payment & Utilization Reporting (SPUR) System. This applies to SMWB and Non-SMWB Prime Contractors' utilization of their SMWB subcontractors/suppliers. Up to 3 points may be deducted from the SMWB score for discrepancies between the pledged SMWB goal, and the current/ongoing actual utilization of SMWB subcontractors/suppliers on recent SAWS projects. This option does not apply to work order/unspecified contracts.</p>
<ul style="list-style-type: none"> • Total SMWB Subconsultant compliance discrepancy between 3% - 4%: Deduct 1 Point
<ul style="list-style-type: none"> • Total SMWB Subconsultant compliance discrepancy between 4% - 5%: Deduct 2 Points
<ul style="list-style-type: none"> • Total SMWB Subconsultant compliance discrepancy greater than 5%: Deduct 3 Points

- b. All firms submitted as SMWVB must provide a copy of their current certification certificate.
- c. The SMWB goal is expressed as a percentage of the total dollar amount of the contract going to SMWBs for those areas which the Respondent has subcontracted or anticipates to subcontract, including any future change orders. The goal shall also apply to change orders that require work beyond the scope of services originally required to accomplish the project.
- d. The Respondent agrees to employ good faith efforts to carry out this policy through award of subcontracts to SMWVBs to the fullest extent possible.
- e. The SAWS Good Faith Effort Plan (GFEP) will be used for scoring purposes based upon SMWB participation. However, **all subcontractors and/or suppliers, whether SMWVB-certified or not, must be listed in the GFEP**, because the information provided in the GFEP will be utilized in the development of the final contract/agreement. The GFEP format is attached as Exhibit "B." This form is required and considered part of the response to the RFCSP. Should the Good Faith Effort Plan not be submitted, the proposal may be considered non-responsive.
- f. The S.P.U.R. System is accessed through a link on SAWS' "Business Center" web page. The Respondent and all subcontractors will be provided a unique login credential and password to access the SAWS subcontractor payment reporting system. The link may be accessed through the following internet address: <https://saws.smwbe.com/>.

Training on the use of the system will be provided by SAWS. After the Respondent receives payment from SAWS, electronic submittals will require data entry of the amount paid to each subcontractor listed on the Contractor's Good Faith Effort Plan.

- g. Please contact the SMWVB program manager, Marisol V. Robles, at 210-233-3420 or marisol.robles@saws.org for any questions pertaining to the Good Faith Effort Plan or the SMWVB Program.

G. FORMAT OF PROPOSALS

1. Proposals shall be prepared simply and economically, providing a straightforward, concise description of the Respondent's ability to meet the requirements of this RFCSP. Emphasis shall be on the quality, completeness, clarity of content, responsiveness to the requirements, responsiveness to the evaluation criteria, and an understanding of SAWS needs.
2. Respondents shall utilize the fillable Evaluation Criteria forms provided by the System to prepare the response to this RFCSP. The cover page, table of contents, divider sheets, proposal checklist, financial statement, evaluation criteria forms, Good Faith Effort Plan, Price Proposal, fillable forms, and any other required documents will not count.
3. Proposals shall be submitted in three (3) pdf files electronically. Respondents should reference the Respondent's Proposal Checklist to ensure all required items are included.
4. Respondents shall carefully read the information contained in this RFCSP and submit a complete response to all requirements and questions as directed. Incomplete Proposals will be considered non-responsive and subject to rejection.
5. Proposals and any other information submitted by Respondents in response to this RFCSP shall become the property of SAWS.
6. Proposals shall be prepared using letter-size 8-1/2" x 11" pages. The project schedule may be provided using tabloid-size 11" x 17" pages.
7. Separate and identify each evaluation criteria response of this RFCSP by using an electronic divider sheet with an integral tab within the pdf for ready reference in the order indicated within the Respondent's Proposal Checklist.

Evaluation Criteria Form

The intent of this document is to provide Respondents a structure for their responses. While there are page limits for this solicitation, there are no character limitations.

Respondents should provide answers to the questions below in the order and spaces provided to ensure continuity between Respondent's submissions.

When responding to the questions below, Respondents should use the space provided in this form, unless otherwise indicated.

If all fields are not completed and/or requested information is not provided to SAWS, their may be a reduction in the points or the proposal may be deemed non-responsive

1. Background/Experience and Past Performance (29 Points)

a. Organizational Structure and Information of the Prime Contractor

- i. Provide current business organizational structure, type of business structure, and stability of organization.
- ii. Provide Debarment history for the company for the last ten (10) years.
- iii. Provide any litigation, arbitration, and claims history for the last three (3) years and any litigation, arbitration, and claims history with SAWS regardless of the year they occurred.
- iv. Indicate the number of years performing contracting/construction work under current legal business name and/or previous legal business name(s).

b. Project Experience/Safety

Prior to responding to this section, refer to the Supplementary Instructions to Respondents for definitions and other requirements.

- i. List and describe three (3) completed projects of similar size and scope within the last seven (7) years.

ii. Using the tables provided:

List and describe three (3) completed projects within the last seven (7) years of similar size, scope, and complexity to the work described in the Contract Documents for this Project. Respondents should provide references with contact information to include a valid, recently verified, email and telephone number for each project listed.

One (1) of the three (3) projects must have been performed by the Construction Manager, Project Manager, and/or superintendents as proposed for this project.

If respondent has SAWS experience, at a minimum, one (1) SAWS project must be submitted out of the three (3).

If valid contact information is not provided, the project may not be considered and the Respondent's score for this criteria may be reduced and/or Respondent's proposal may be deemed non-responsive.

Project Name:	
Utility/Owner name:	
Utility/Owner Project Manager's name and contact information to include a valid, recently verified email and telephone number:	
Proposed Contractor's Key Personnel who participated on this project:	
Key Personnel's role on this project:	
Project is within the last seven (7) years:	<input type="checkbox"/> Yes <input type="checkbox"/> No
Project has similar size, scope, and complexity to the work described in the Contract Documents:	<input type="checkbox"/> Yes <input type="checkbox"/> No
Detailed project description and explanation for why it is comparable to the size, scope and/or complexity for this item:	
Original bid/price and final construction in place costs:	
Total costs for all change orders, as well as an explanation regarding the reason for specific change orders:	
Construction Contract Notice to Proceed (NTP) Date:	
Identify whether the project was completed on-time and within budget:	On-time: <input type="checkbox"/> Yes <input type="checkbox"/> No Within budget: <input type="checkbox"/> Yes <input type="checkbox"/> No
Original Contract Time (specify Calendar Days or Working Days):	
Original Contract Substantial Completion Date and Actual Substantial Completion Date:	
Original Contract Completion Date and Actual Completion Date:	
Actual number of days beyond the original contract:	
Actual number of days added through change orders. If Contract time extensions were added to the contract as a result of Prime Contractor's responsibilities, provide a short explanation of each.	
The recovery schedule/plan and implementation of such, if it was required. If a recovery/plan schedule was implemented, describe whether the project was successfully brought back on schedule. Please discuss, as necessary and deemed appropriate.	

Project#2**Name of Prime Contractor:**

Project Name:	
Utility/Owner name:	
Utility/Owner Project Manager's name and contact information to include a valid, recently verified email and telephone number:	
Proposed Contractor's Key Personnel who participated on this project:	
Key Personnel's role on this project:	
Project is within the last seven (7) years:	<input type="checkbox"/> Yes <input type="checkbox"/> No
Project has similar size, scope, and complexity to the work described in the Contract Documents:	<input type="checkbox"/> Yes <input type="checkbox"/> No
Detailed project description and explanation for why it is comparable to the size, scope and/or complexity for this item:	
Original bid/price and final construction in place costs:	
Total costs for all change orders, as well as an explanation regarding the reason for specific change orders:	
Construction Contract Notice to Proceed (NTP) Date:	
Identify whether the project was completed on-time and within budget:	On-time: <input type="checkbox"/> Yes <input type="checkbox"/> No Within budget: <input type="checkbox"/> Yes <input type="checkbox"/> No
Original Contract Time (specify Calendar Days or Working Days):	
Original Contract Substantial Completion Date and Actual Substantial Completion Date:	
Original Contract Completion Date and Actual Completion Date:	
Actual number of days beyond the original contract:	
Actual number of days added through change orders. If Contract time extensions were added to the contract as a result of Prime Contractor's responsibilities, provide a short explanation of each.	
The recovery schedule/plan and implementation of such, if it was required. If a recovery/plan schedule was implemented, describe whether the project was successfully brought back on schedule. Please discuss, as necessary and deemed appropriate.	

Project#3**Name of Prime Contractor:**

Project Name:	
Utility/Owner name:	
Utility/Owner Project Manager's name and contact information to include a valid, recently verified email and telephone number:	
Proposed Contractor's Key Personnel who participated on this project:	
Key Personnel's role on this project:	
Project is within the last seven (7) years:	<input type="checkbox"/> Yes <input type="checkbox"/> No
Project has similar size, scope, and complexity to the work described in the Contract Documents:	<input type="checkbox"/> Yes <input type="checkbox"/> No
Detailed project description and explanation for why it is comparable to the size, scope and/or complexity for this item:	
Original bid/price and final construction in place costs:	
Total costs for all change orders, as well as an explanation regarding the reason for specific change orders:	
Construction Contract Notice to Proceed (NTP) Date:	
Identify whether the project was completed on-time and within budget:	On-time: <input type="checkbox"/> Yes <input type="checkbox"/> No Within budget: <input type="checkbox"/> Yes <input type="checkbox"/> No
Original Contract Time (specify Calendar Days or Working Days):	
Original Contract Substantial Completion Date and Actual Substantial Completion Date:	
Original Contract Completion Date and Actual Completion Date:	
Actual number of days beyond the original contract:	
Actual number of days added through change orders. If Contract time extensions were added to the contract as a result of Prime Contractor's responsibilities, provide a short explanation of each.	
The recovery schedule/plan and implementation of such, if it was required. If a recovery/plan schedule was implemented, describe whether the project was successfully brought back on schedule. Please discuss, as necessary and deemed appropriate.	

Safety Information for Prime Contractor and Subcontractors

Company Name(s)	TRIR	TRIR	TRIR	TRIR	TRIR	EMR	EMR	EMR	Fatalities
	2020	2019	2018	2017	2016	2020	2019	2018	
Prime Contractor									
Key Subcontractor									
Key Subcontractor									
Key Subcontractor									
Key Subcontractor									

END OF PROJECT EXPERIENCE/SAFETY

2. Project Approach/Team Experience (24 Points)**a. Project Approach**

- i. Provide a detailed narrative of the project approach describing how the Respondent will complete this project. Focus on the stainless-steel liner and gravel pack installation. The Respondent shall provide details of the methods to be certain that a continuous gravel envelop will be installed between the new liner and the face of the existing casing so that no voids occur. Include milestones, specific critical processes, phases, approvals, and procurements anticipated to complete the project.
- ii. Provide a description of the approach specifically addressing the procurement of 12-inch diameter stainless steel screen and blank casing **and estimated lead times required.**
- iii. Provide a corresponding Primavera and Microsoft project (CPM milestone) schedule.
- iv. Provide any innovative ideas for cost savings (due to method or duration) for this project.

b. Team Experience

- i. On separate 8 ½” x 11” sheets, provide resumes, (one per person) and not to exceed one (1) page, for Project Manager, Superintendent, Quality control Inspectors, Safety Coordinator, and any other key personnel – Subcontractor (minimum Electrical, Process Control and System Integrator, (PCSI), Application System Provider (ASP)). Key Personnel resumes should include qualifications, certifications and relevant experience.
- ii. Provide a one-page organizational chart that summarizes the roles and responsibilities of the key team members.
- iii. Provide a list of subcontractors with a description of their role and percentage (%) of work for this project.



ASR WELL REPAIR PROJECT
Solicitation Number: CO-00534

ELECTRONIC PROPOSAL OPENING INSTRUCTIONS
April 20, 2022 at 2:00 PM (CDT)

FTP PROPOSAL UPLOAD

In order to receive electronic proposals for this project, SAWS will utilize a SAWS secured File Transfer Protocol (FTP) site. Only Respondents submitting as Prime Contractors will need to submit their request prior to **April 19, 2022 by 2:00 pm (CDT)** to receive access to the FTP site via email to **Roxanne.Lockhart@saws.org**. Respondent's email shall provide the legal name of the Respondent's company and the intended recipient's email address and phone number. No requests for FTP site access will be accepted after **April 19, 2022 by 2:00 pm (CDT)**. Once a Respondent is approved for access, an email with a hyperlink to the FTP site and a unique password for the Respondent will be provided to the Respondent's email recipient.

Once access is received, Respondents may upload the required documents per the Respondent's Proposal Checklist any time before **April 20, 2022 by 2:00 PM (CDT)**. **Please ensure to allow sufficient time should Respondent's experience technical difficulties in uploading the required documents. No changes to the proposal price can be made once the Proposal has been submitted.**

Respondents shall comply with the following:

- 1) Limit files to three (3) pdf files that includes all items as indicated on the revised Respondent's Proposal Checklist. ONLY 3 SUBMITTALS PER RESPONDENT WILL BE ACCEPTED PER REQUEST. Do not upload zip files.
- 2) Ensure that the itemized General Price Proposal Items is the first page(s) of File 1.
- 3) Respondents may protect the documents from editing by adding a password. **However, the document must be accessible for viewing by SAWS without requiring a password.**
- 4) Files shall be titled as required on the Respondent's Proposal Checklist.
- 5) DO NOT SHARE ACCESS AND/OR PASSWORD WITH OTHER PARTIES OUTSIDE YOUR COMPANY.
- 6) ENSURE THE PROPOSAL IS SENT NO LATER THAN THE DUE DATE AND TIME. PROPOSALS SUBMITTED AFTER THE PROPOSAL OPENING DEADLINE WILL NOT BE ACCEPTED.

If the Respondent is in need of help, they may contact the SAWS Contract Administrator, **Roxanne Lockhart**, at **210-233-3095** or view troubleshooting tips at <http://www.Serv-U.com/sharefiles>

WEBEX PROPOSAL OPENING MEETING

The WebEx meeting details are below if you would like to view the public opening of the proposals.

When it's time, start or join the WebEx meeting from [here](#).

Access Information

Meeting Number: 248 164 59173

Meeting Password: pNcVBrHb393

Audio Connection: +1-469-210-7159 US Toll (Dallas)

+1-408-418-9388 US Toll

If you have any questions or concerns, please feel free to contact me.

Thank you,

Roxanne Lockhart

Contract Administrator

2800 U.S. Highway 281 North, Ste. 171 | San Antonio, TX 78212

Office | 210-233-3095

Email | roxanne.lockhart@saws.org

PRICE PROPOSAL

PROPOSAL OF _____, a corporation
 a partnership consisting of _____
 an individual doing business as _____

THE SAN ANTONIO WATER SYSTEM:

Pursuant to Instructions and Invitation to Bidders, the undersigned proposes to furnish all labor and materials as specified and perform the work required for the project as specified, in accordance with the Plans and Specifications for the following prices in the bid proposal to wit:

Schedule of prices for the ASR WELL REPAIR PROJECT will be in accordance with the Contract Documents. Respondent must complete entire schedule.

Notes:

1. Total price includes cost for furnishing all tools, equipment, materials, supplies and manufactured articles and furnishing all labor, transportation, and service, including fuel power, water and essential communication and performing all the work, or other operations required for the contract in strict accordance with the contract documents. Any item not specifically called out under each unit item shall be included under a unit item listed that is closely related to a missing item. CONTRACTOR is directed to the Measurement and Payment section of this document for a description of each unit item.
2. LS = Lump sum HR = Hour Sack = Sacks CY = Cubic yard
 LF = Linear feet CF = Cubic feet EA = Each SY = Square yard
 LB = Pound GAL = Gallon TON = Tons ACRE = Acre

Item No.	Description Unit Price to be written in Words)	Unit	Quantity	Unit Price (Figures)	Total Price (Figures)
Part 1: ASR Well Repair (2 Wells)					
1.	Remove and Reinstall Wellhead Equipment (if required)	EA	2	\$ _____	\$ _____
2	Remove Debris from Bottom of Well Prior to Liner Installation	HR	96	\$ _____	\$ _____
3.	Furnish & Install Centralized 12-inch Nominal Diameter Type 304 Stainless-Steel Pipe-Based Continuous Wire Wrapped Screen-0.375 inch wall – 0.035" Slot Size	LF	375	\$ _____	\$ _____
4.	Furnish & Install 12-Inch Nominal Diameter 0.375 inch Wall, Type 304 Stainless Steel Blank Pipe	LF	915	\$ _____	\$ _____
5.	Furnish & Emplace 12/20 Gravel Pack	LF	540	\$ _____	\$ _____
6.	Furnish, Install, and Remove Test Pump for Development and Testing	EA	2	\$ _____	\$ _____

Item No.	Description Unit Price to be written in Words)	Unit	Quantity	Unit Price (Figures)	Total Price (Figures)
7.	Well Development, Constant Discharge Test & Recovery	EA	2	\$ _____	\$ _____
8.	Furnish, Install, and Remove Temporary Piping, Valves, and Road Crossings to Convey Development and Pumping Test Water to Irrigation Area 1	EA	1	\$ _____	\$ _____
9.	Furnish, Install, and Remove Temporary Piping, Valves, and Road Crossings to Convey Development and Pumping Test Water to Irrigation Area 2	EA	1	\$ _____	\$ _____
10.	Furnish, Install, and Remove Irrigation System for Area 1	EA	1	\$ _____	\$ _____
11.	Furnish, Install, and Remove Irrigation System for Area 2	EA	1	\$ _____	\$ _____
12.	Operation of Irrigation System	HR	48	\$ _____	\$ _____
13.	Move Between Well Sites	EA	1	\$ _____	\$ _____
14.	Final Removal of Debris from Bottom of Well at the Conclusion Of Repair and Testing	EA	2	\$ _____	\$ _____
15.	Final Color Video Log	EA	2	\$ _____	\$ _____
16.	Additional Hours of Pumping for Constant-Discharge Pumping Test	EA	1	\$ _____	\$ _____
17.	Additional Hours of Operation of Irrigation System	HR	1	\$ _____	\$ _____
18.	Additional Hours for Debris Removal From bottom of Well at the Direction of OWNER (if required)	HR	1	\$ _____	\$ _____
19.	Standby Time at the Direction of the OWNER	HR	24	\$ _____	\$ _____
SUBTOTAL (Part1)					\$ _____

LINE ITEM "A" - SUBTOTAL BASE BID (Part 1)
\$ _____

(Price in Figures)

MOBILIZATION AND DEMOBILIZATION LUMP SUM
\$ _____

Mobilization and Demobilization lump sum bid shall be limited to a maximum 10% of the Line Item "A" Sub-total Base Bid amount. The Line Item "A" Sub-total base bid is defined as all bid items. **In the event of a discrepancy between the written percentage and dollar amount shown for Mobilization and Demobilization bid item the written percentage will govern. If the percentage written exceeds the allowable maximum stated for mobilization and demobilization, SAWS reserves the right to cap the amount at the percentages shown and adjust the extensions of the bid items accordingly.**

TOTAL BID AMOUNT (Line Item "A" Base Bid (Part 1), Mobilization and Demobilization)

\$ _____

_____ **DOLLARS AND**
_____ **CENTS**

BIDDER'S SIGNATURE & TITLE

FIRM'S NAME (TYPE OR PRINT)

FIRM'S ADDRESS

FIRM'S PHONE NO. /FAX NO.

FIRM'S EMAIL ADDRESS

The Contractor herein acknowledges receipt of the following: **Addendum No(s)**. _____

OWNER RESERVES THE RIGHT TO ACCEPT THE OVERALL MOST RESPONSIBLE BID.

The bidder offers to construct the Project in accordance with the Contract Documents for the contract price, and to complete the Project within **180** calendar days after the start date, as set forth in the Authorization to Proceed. **The bidder understands and accepts the provisions of the contract Documents relating to liquidated damages of the project if not completed on time.**

Complete the additional requirements of the Bid Proposal which are included on the following pages.

Statement on President's Executive Orders

Has your firm previously performed work subject to the President's Executive Orders Numbers 11246 and 11375 or any preceding similar executive orders (Numbers 10925 and 11114)? Yes No

Texas Government Code Chapter 2274 Verifications

- (1) Are you, Contractor, held or controlled by individuals who are citizens of China, Iran, North Korea, Russia or a country designated by the Governor of the State of Texas pursuant to Texas Government Code Chapter 2274? Yes No
- (2) Are you, Contractor, held or controlled by a company or other entity, including a governmental entity, that is owned or controlled by citizens of or directly controlled by the government of China, Iran, North Korea, Russia or a country designated by the Governor of the State of Texas pursuant to Texas Government Code Chapter 2274? Yes No
- (3) Are you, Contractor, headquartered in China, Iran, North Korea, Russia or a country designated by the Governor of the State of Texas pursuant to Texas Government Code Chapter 2274? Yes No

SECTION 01270

MEASUREMENT AND BASIS OF PAYMENT

PART 1 – GENERAL

1.1 DESCRIPTION OF WORK

This section defines the method which will be used to determine the quantities of work performed, materials supplied, and establishes the basis upon which payment will be made.

1.2 ESTIMATED QUANTITIES

The quantities shown are approximate and are given only as a basis of calculation upon which the award of the Contract is to be made. SAWS and the ENGINEER do not assume any responsibility for the final quantities, nor shall the Contractor claim misunderstanding because of such estimate of quantities. Final payment will be made only for satisfactorily completed quantities of each item.

1.3 WORK OUTSIDE AUTHORIZED LIMITS

No payment will be made for work constructed outside the authorized limits of work.

1.4 MEASUREMENT STANDARDS

Unless otherwise specified for the particular items involved, all measurements of distance shall be taken horizontally or vertically.

1.5 AREA MEASUREMENTS

In the measurement of items to be paid for on the basis of area of finished work, the lengths and/or widths to be used in the calculations shall be the final dimensions measured along the surface of the completed work within the neat lines shown or designated.

1.6 LUMP SUM ITEMS

Where payment for items is shown to be paid on a lump sum basis, no separate payment will be made for any item of work required to complete the lump sum items. Lump sum contracts shall be complete, tested and fully operable prior to request for final payment.

1.7 UNIT PRICE ITEM

Separate payment will be made for the items of work described herein and listed on the Bid Proposal. Any related work not specifically listed, but required for satisfactory completion of the work shall be considered to be included in the scope of the appropriate listed work items.

No separate payment will be made for the following items and the cost of such work shall be included in the applicable pay items of work. Final payments shall not be requested by the CONTRACTOR or made by the ENGINEER until as-built (record) drawings have been submitted and approved by the ENGINEER.

Shop Drawings, Working Drawings.
Clearing, grubbing, and grading except as hereinafter specified.
Replacement of unpaved roadways, and shrubbery plots.
Cleanup and miscellaneous work.
Maintaining or detouring of traffic.
As-Built Record Drawings.

1.8 MEASUREMENT AND PAYMENT

Part 1: ASR Well Repair

Item No. 1 - Remove and Reinstall Wellhead Equipment (if required)

1. Description - This item includes all work associated with removal/reinstallation of any wellhead equipment that would interfere with the well repair operations. The work includes providing all materials, labor, supervision, equipment, tools, and all other incidentals necessary to complete the work.
2. Measurement - Measurement of the item, "Remove and Reinstall Wellhead Equipment" will be based on the number of wells completed all in accordance with the Contract Documents.
3. Payment - Payment shall be at the contract unit price for "Remove and Reinstall Wellhead Equipment" as indicated in the Bid Schedule, which price shall constitute full compensation for the completed WORK all in accordance with the Contract Documents. This includes, but is not limited to, all materials, tools, labor, equipment, supplies, permits, removal and disposal of waste or excess materials, etc. necessary to develop the well in accordance with the Contract Documents.

Item No. 2 – Remove Debris from Bottom of Well Prior to Liner Installation

1. Description – This item includes all work associated with the removal of any debris or sediment from the bottom of the well prior to the installation of the new stainless-steel liner. A total of 96 hours will be assigned for the completion of this task if required. The work includes providing all materials, labor, supervision, equipment, tools, and all

other incidentals necessary to complete the work.

2. Measurement - Measurement of the item, “Remove Debris from Bottom of Well Prior to Liner Installation” will be based on the number of hours required to remove debris from the two wells to be repaired completed all in accordance with the Contract Documents.
3. Payment - Payment shall be at the contract unit price for “Remove Debris from Bottom of Well Prior to Liner Installation” as indicated in the Bid Schedule, which price shall constitute full compensation for the completed WORK all in accordance with the Contract Documents. This includes, but is not limited to, all materials, tools, labor, equipment, supplies, permits, removal and disposal of waste or excess materials, etc. necessary to develop the well in accordance with the Contract Documents.

Item No. 3 – Furnish & Install Centralized 12-inch Nominal Diameter Type 304 Stainless Steel Pipe-Based Continuous Wire Wrapped Screen 0.375 inch Wall – 0.035 Slot size

1. Description - This item includes all work associated with furnishing and installing centralized 12-inch nominal diameter Pipe-Based, continuous-slot, wire-wound screen – 0.375 inch wall. The work includes providing all materials, labor, supervision, equipment, tools, and all other incidentals necessary to complete the work.
2. Measurement - Measurement of the item “Furnish & Install Centralized 12-inch Nominal Diameter Type 304 Stainless Steel Pipe-Based Continuous Wire Wrapped Screen 0.375 inch wall – 0.035 slot size” will be based on the number of linear feet of screen assembly installed, tested, and accepted, all in accordance with the Contract Documents.
3. Payment - Payment for furnishing and installing the centralized 12-inch, 304 Stainless Steel Pipe-Based Continuous Wire Wrapped Screen 0.375 inch wall – 0.035 slot size shall be at the unit price per linear foot indicated in the Bid Schedule, which price shall constitute full compensation for the completed WORK all in accordance with the Contract Documents. This includes, but is not limited to, all materials, tools, labor, equipment, supplies, permits, removal and disposal of waste or excess materials, etc. necessary to have the 12-inch nominal diameter screen installed, tested, accepted, and ready for use as its intended purpose.

Item No. 4 – Furnish and Install 12-Inch Nominal Diameter 0.375 Wall, Type 304 Wall Stainless Steel Blank Pipe

1. Description - This item includes all work associated with furnishing and installing 12-inch nominal diameter, 0.375-inch wall thickness,

Type 304 stainless steel blank casing (between well screen sections) and well sump. The work includes providing all materials, labor, supervision, equipment, tools, and all other incidentals necessary to complete the work in place and restore the site to its original condition.

2. Measurement - Measurement of the item “Furnish and Install 12-Inch Nominal Diameter 0.375 Wall, Type 304 Stainless Steel Blank Pipe” will be based on the number of linear feet of casing installed, tested, and accepted, all in accordance with the Contract Documents.
3. Payment - Payment for furnishing and installing 12-inch nominal diameter 0.375 wall, Type 304 stainless steel casing shall be at the unit price per linear foot indicated in the Bid Schedule, which price shall constitute full compensation for the completed WORK all in accordance with the Contract Documents. This includes, but is not limited to, all materials, tools, labor, equipment, supplies, permits, removal and disposal of waste or excess materials, etc. necessary to have the 12-inch nominal diameter, stainless steel casing installed, tested, accepted, and ready for use as its intended purpose.

Item No. 5 – Furnish and Emplace 12/20 Gravel Pack

1. Description - This item shall govern the furnishing and emplacing filter pack.
2. Measurement - Measurement of the item “Furnish and Emplace 12/20 Gravel Pack” will be based on the linear feet of gravel pack installed, tested, and accepted, all in accordance with the Contract Documents.
3. Payment - Payment for furnishing and emplacing of the filter pack, including approved agitation, shall be at the unit price per linear foot indicated in the Bid Schedule, which price shall constitute full compensation for the completed WORK all in accordance with the Contract Documents. This includes, but is not limited to, all materials, tools, labor, equipment, supplies, permits, removal and disposal of waste or excess materials, etc. necessary to have the filter pack installed, tested, and accepted.

Item No. 6 – Furnish, Install, and Remove Test Pump for Development and Testing

1. Description - This item includes all work associate with furnishing and installing the test pump, discharge column, prime mover, and other appurtenances that will be used for well development and testing operations. This item also includes removal of the test pump and appurtenances after testing is complete. The work includes providing all materials, labor, supervision, equipment, tools, and all other incidentals necessary to install and remove the test pump.

2. Measurement - Measurement of the item “Furnish, Install, and Remove Test Pump for Development and Testing” will be based on the number of pump installations performed and accepted, all in accordance with the Contract Documents.
3. Payment - Payment for test pump installation and removal shall be at the unit price indicated in the Bid Schedule, which price shall constitute full compensation for the completed WORK all in accordance with the Contract Documents. This includes, but is not limited to, all materials, tools, labor, equipment, supplies, permits, removal and disposal of waste or excess materials, etc. necessary to have the test pump installed and accepted.

Item No. 7 – Well Development, Constant-Discharge Test & Recovery

1. Description - This item shall include all work associated with well development, constant-discharge pumping test and recovery.
2. Measurement - Measurement of the item, “Well Development, Constant-Discharge Pumping Test and Recovery” will be based on the number of wells furnished with pump systems, developed, tested, accepted, and removal of pump systems all in accordance with the Contract Documents. This item shall consist of the work required to conduct well development, a 4-hour, constant-discharge pumping test of the well and 4 hours of recovery.
3. Payment - Payment shall be at the contract unit price for constant rate pump testing, as indicated in the Bid Schedule, which price shall constitute full compensation for the completed WORK all in accordance with the Contract Documents. This includes, but is not limited to, all materials, tools, labor, equipment, supplies, permits, removal and disposal of waste or excess materials, etc. necessary to constant rate test the well, complete, tested and accepted all in accordance with the Contract Documents.

Item No. 8 – Furnish, Install, and Remove Temporary Piping, Booster Pumps, Valves and Road Crossings to Convey Development and Pumping Test Waters to Water Irrigation Area 1

1. Description - This item shall include all work associated with the installation of sedimentation basins, and furnishing and installing temporary piping, booster pumps, valves, road crossings and operation of system to convey development and pumping test waters to water storage reservoir or discharge point. The temporary piping, pumps, valves and road crossings shall be removed within 30 days of completion of pumping tests of the wells.
2. Measurement - Measurement of the item, “Furnish, Install and Remove

Temporary Piping, Booster Pumps, Valves and Road Crossings to Convey Development and Pumping Test Waters to Water Irrigation Area 1” will be based on the number of temporary piping systems installed, accepted and removed in accordance with the Contract Documents.

3. Payment - This item will be paid for at the contract unit price for furnishing and installing temporary piping, booster pumps and road crossings to convey development and pumping test waters to water storage reservoir.

Item No. 9 – Furnish, Install and Remove Temporary Piping, Booster Pumps, Valves and Road Crossings to Convey Development and Pumping Test Water to Water Irrigation Area 2

1. Description - This item shall include all work associated with the installation of sedimentation basins, and furnishing and installing temporary piping, booster pumps, valves, road crossings and operation of system to convey development and pumping test waters to water storage reservoir or discharge point. The temporary piping, pumps, valves and road crossings shall be removed within 30 days of completion of pumping tests of the wells.
2. Measurement - Measurement of the item, “Furnish, Install and Remove Temporary Piping, Booster Pumps, Valves and Road Crossings to Convey Development and Pumping Test Waters to Water Irrigation Area 2” will be based on the number of temporary piping systems installed, accepted and removed in accordance with the Contract Documents.
3. Payment - This item will be paid for at the contract unit price for furnishing and installing temporary piping, booster pumps and road crossings to convey development and pumping test waters to water storage reservoir.

Item No. 10 – Furnish, Install and Remove Irrigation System for Area 1

1. Description - This item shall include all work associated with the furnishing, installation and removal of irrigation system, and furnishing, installing and removing temporary piping and pumps to pump water from the water storage reservoir during development or test pumping to lower the water level in the reservoir or apply water directly to land.
2. Measurement - Measurement of the item, “Furnish, Install and Remove Irrigation System for Area 1” will be based on the number of complete irrigation systems and accepted in accordance with the Contract Documents. Includes movement of the discharge point within the

irrigation area, as needed, to prevent runoff of applied water from SAWS property.

3. Payment - This item will be paid for at the contract unit price for furnishing and installing irrigation system, temporary piping and pumps to pump water from the water storage reservoir during development or test pumping to lower the water level in the reservoir.

Item No. 11 – Furnish, Install and Remove Irrigation System for Area 2

1. Description - This item shall include all work associated with the furnishing, installation and removal of irrigation system, and furnishing, installing and removing temporary piping and pumps to pump water from the water storage reservoir during development or test pumping to lower the water level in the reservoir or apply water directly to land.
2. Measurement - Measurement of the item, “Furnish, Install and Remove Irrigation System for Area 2” will be based on the number of complete irrigation systems and accepted in accordance with the Contract Documents. Includes movement of the discharge point within the irrigation area, as needed, to prevent runoff of applied water from SAWS property.
3. Payment - This item will be paid for at the contract unit price for furnishing and installing irrigation system, temporary piping and pumps to pump water from the water storage reservoir during development or test pumping to lower the water level in the reservoir.

Item No. 12 – Operation of Irrigation System

1. Description - The CONTACTOR shall mobilize and provide all labor, supervision, tools, fuel, equipment, and materials necessary to operate the irrigation system when requested by the OWNER. This work includes, but is not limited to, all materials, tools, fuel, labor, equipment and supplies to operate the irrigation system when requested by the OWNER.
2. Measurement - Measurement for the item “Operation of Irrigation System” will be based on the number of hours of use of the irrigation system, all in accordance with the Contract Documents.
3. Payment - Payment for providing, mobilizing and operating the irrigation system when requested by the OWNER shall be at the unit price indicated in Proposal, which price shall constitute full compensation for completed WORK all in accordance with the Contract Documents.

Item No. 13 – Move Between Well Sites

1. Description - This item shall govern the relocation of personnel, equipment, and supplies between wells sites within the project area.
2. Measurement - Measurement of the item “Move Between Well Sites” will be paid for movement of equipment, personnel, and supplies subsequent to the first well.
3. Payment – Payment will be based on the number moves between well sites completed.

Item No. 14 – Final Removal of Debris from Bottom of Well at the Conclusion of Repair and Testing

1. Description - This item includes all work associated with the removal of any debris or sediment from the bottom of the well following repairs and testing. The work includes providing all materials, labor, supervision, equipment, tools, and all other incidentals necessary to complete the work.
2. Measurement - Measurement of the item, “Final Removal of Debris from Bottom of Well at the Conclusion of Repair and Testing” will be based on the number of wells completed all in accordance with the Contract Documents.
3. Payment - Payment shall be at the contract unit price for “Final Removal of Debris from Bottom of Well at the Conclusion of Repair and Testing” as indicated in the Bid Schedule, which price shall constitute full compensation for the completed WORK all in accordance with the Contract Documents. This includes, but is not limited to, all materials, tools, labor, equipment, supplies, permits, removal and disposal of waste or excess materials, etc. necessary to develop the well in accordance with the Contract Documents.

Item No. 15 – Final Color Well Video Log

1. Description - The CONTRACTOR shall provide all labor, supervision, tools, equipment, tool insurance, and materials necessary to complete well color video log.
2. Measurement - Measurement of the item “Final Color Well Video Log” will be based on video logs completed and accepted all in accordance with the Contract Documents. The CONTRACTOR will provide a borehole video record of the completed well from the base of the sump below the deepest screen to the top of the casing at surface. The

CONTRACTOR will submit two DVD-format or Flash drive copies of the borehole video log to SAWS.

3. Payment - Payment for “Final Color Well Video Log” shall be at the unit price indicated in the Bid Schedule, which price shall constitute full compensation for the completed work all in accordance with Contract Documents. This includes, but is not limited to, all materials, tools, labor, equipment, supplies, permits, removal and disposal of waste or excess materials, etc. necessary for well color video log completed and accepted. CONTRACTOR will not receive extra compensation for rig time or stand by time while the final well color video log is conducted. Payment is contingent upon the CONTRACTOR submitting a complete video record of all well screen and casing from the base of the sump to top of the casing at surface.

Item No. 16 – Additional Hours of Pumping for Constant Discharge Pumping Test

1. Description - This item shall consist of the work required for additional hours of pumping beyond the 4-hour constant-discharge pumping test.
2. Measurement - Measurement of the “Additional Hours of Pumping for Constant Discharge Pumping Test” shall be based on the number of additional hours of pumping completed and accepted in accordance with the Contract Documents.
3. Payment - Payment shall be at the contract unit price for constant rate pump testing, as indicated in the Bid Schedule, which price shall constitute full compensation for the completed WORK all in accordance with the Contract Documents. This includes, but is not limited to, all materials, tools, labor, equipment, supplies, permits, removal and disposal of waste or excess materials, etc. necessary to constant rate test the well, complete, tested and accepted all in accordance with the Contract Documents.

Item No. 17 – Additional Hours of Operation of Irrigation System (if required)

4. Description - This item shall consist of the work required for additional hours of operation of the irrigation system beyond the 4-hour constant-discharge pumping test.
5. Measurement - Measurement of the “Additional Hours of Irrigation System” will be based on the number of additional hours operating the irrigation system completed and accepted in accordance with the Contract Documents.
6. Payment - Payment shall be at the contract unit price for constant rate pump testing, as indicated in the Bid Schedule, which price shall constitute full compensation for the completed WORK all in accordance with the Contract Documents. This includes, but is not

limited to, all materials, tools, labor, equipment, supplies, permits, removal and disposal of waste or excess materials, etc. necessary to constant rate test the well, complete, tested and accepted all in accordance with the Contract Documents.

Item No. 18 – Additional Hours for Debris Removal from the Bottom of the Well at the Direction of the OWNER/ENGINEER (if required)

1. Description - This item shall consist of additional time to remove debris from the bottom of the well at the direction of the OWNER/ENGINEER.
2. Measurement - Measurement of the item “Additional Hours for Debris Removal from the Bottom of the Well at the Direction of the OWNER/ENGINEER” will be based on the number of hours actually spent on removing debris at the direction of the OWNER/ENGINEER in accordance with the Contract Documents.
3. Payment - Payment for “Additional Hours of Debris Removal from the Bottom of the Well at the direction of the OWNER / ENGINEER” shall be at the unit price per hour indicated in the Bid Schedule, which price shall constitute full compensation for the completed WORK all in accordance with the contract Documents. This includes, but is not limited to, all materials, tools, labor, equipment, supplies, permits, removal and disposal of waste or excess materials, etc. necessary to remain on standby in accordance with the Contract Documents.

Item No. 19 - Standby Time at the Direction of the OWNER/ENGINEER

1. Description - This item shall consist of standby time at the direction of the OWNER/ENGINEER.
2. Measurement - Measurement of the item “Standby Time at the Direction of the OWNER/ENGINEER” will be based on the number of hours actually spent on standby at the direction of the OWNER/ENGINEER in accordance with the Contract Documents.
3. Payment - Payment for standby time at the direction of the OWNER / ENGINEER shall be at the unit price per hour indicated in the Bid Schedule, which price shall constitute full compensation for the completed WORK all in accordance with the contract Documents. This includes, but is not limited to, all materials, tools, labor, equipment, supplies, permits, removal and disposal of waste or excess materials, etc. necessary to remain on standby in accordance with the Contract Documents.

Project Mobilization/Demobilization

Item No. 1 - Mobilization/Demobilization

1. Description - This item shall govern the mobilization of personnel, equipment, and supplies to the first well site in preparation for the beginning work on contract items and the acquisition of insurance, bonds, owner indemnification, and permits. Mobilization shall include, but not be limited to, pre-construction and post-construction videotape of roadways, the movement of equipment, personnel, material, supplies, etc. to the first well site and the establishment of optional temporary offices (if desired), preparation of work plans and general submittals, secured staging area, temporary fencing and gates for the staging area, and establishment of other facilities necessary to the start of the work. This item shall also include complete demobilization from the project area. Demobilization shall include, but not be limited to, the removal of equipment, personnel, material, supplies, temporary offices, temporary fences and gates, etc. from the staging area.
2. Measurement - Measurement of the item "Mobilization/Demobilization" will be by lump sum as the work progresses.
3. Payment - Partial payments of the lump sum bid for mobilization/demobilization will be as follows:
 - When 1% of the adjusted contract amount for construction items (which is defined as the total contract amount less the lump sum bid for mobilization) is earned, 50% of the mobilization lump sum bid or 5% of the total contract amount, whichever is less, will be paid.
 - When 5% of the adjusted contract amount for construction items is earned, 80% of the mobilization lump sum bid or 10% of the total contract amount, whichever is less will be paid.
 - Upon completion of all work, demobilization, and acceptance thereof under this contract, payment for the remainder of the lump sum bid for mobilization will be made.

PART 2 – PRODUCTS

Not applicable.

PART 3 – EXECUTION

Not applicable.

END OF SECTION