ADDENDUM I

SUBJECT: Request for Qualifications #00177, Salitrillo WWTP Progressive Design Build
        Scheduled to Open: February 10, 2020 at 11:00 AM C.S.T.

FROM: Karen Smith, Purchasing Officer
      ksmith@sara-tx.org

DATE: January 31, 2020

This notice shall serve as Addendum No. I - to the above referenced SOLICITATION

THE ABOVE-MENTIONED SOLICITATION IS HEREBY AMENDED AS FOLLOWS:

1. UPDATED: Questions and Answers from pre-solicitation meeting and submitted via email.

2. Pre-solicitation sign in sheet is available online at purchasing.sara-tx.org and attached

3. Power point presentation from Pre-solicitation is available online at purchasing.sara-tx.org and attached

On January 21, 2020 the San Antonio River Authority (River Authority) hosted a Pre-Submittal conference to provide information and clarification for the solicitation. Below is a list of questions that were asked at the pre-submittal conference and to those submitted via email before the question submittal deadline. The River Authority’s official response to questions asked is as follows:

1. If more than one respondent is selected as part of the Phase 1 RFQ, will the work performed in preparation of 60% design documents and construction services be at risk? Or, will the Authority reimburse or provide each successful respondent to Phase 1 with a stipend?

This is a progressive design-build project. The descriptions of Phase 1 and Phase 2 services only apply to the team that is awarded the contract. The 60% design documents described as Phase 1 will be prepared once a team is selected and the contract is awarded. 60% design documents will not be required for the RFP response. Whether or not a stipend will be provided will be further addressed in the RFP.
2. **Can respondents include resumes/personnel for titles other than the seven listed on page 12?**

   Additional resumes may be provided, however, they must fit into the page limit.

3. **Does SARA have a recommended font for use on this submittal? (or any font that is not preferred for use?)**

   There is no preference on fonts, however the firms should prepare a professional looking product. The minimum font size is 12-point as noted in Part 1, Section 11 – Submission Format (Page 10).

4. **Attachment A: Page 31 references a 2-page max on Q: 24 and a 1-page max on Q:25. May respondent’s type ‘see attached’ and insert our responses before the signature page?**

   The document is provided in Microsoft Word so that the answers may be provided in the document. Firms may adjust the signature line on page 32 as needed to include the information requested in the document section.

5. **The Project Team Section (item F.2.VI on page 11 of 38) states to “Provide details to support the evaluation criteria, including experience and delivery.” This exact question/item is included verbatim on Attachment A – Business Questionnaire. Is SARA wanting this answered twice?**

   The intent is to expand upon the details to support the evaluation criteria in the Experience and Resources section and provide a more condensed summary in the Attachment A – Business Questionnaire.

6. **If the respondent is submitting as a Joint Venture – do other Partners/Co-Respondents need to include their Attachment A (or their version of all other forms) in the submittal?**

   Yes, please have each partner/co-respondent complete Attachment A – questions 1 through 22 only. Please clearly identify the firm name and authorized agent that would be contracting directly with the River Authority, should your firm be chosen in the evaluation.

7. **Are the Attachments A – F Forms to be completed only by the Design Builder (prime firm)? Are any of the forms to be completed for the Design Firm too? If so, which forms?**

   - Two Attachment As should be submitted – one for the construction firm and one for the engineer of record design firm, however, that is for questions 1 through 22
only. Questions 24 and 25 should reflect the team and only one response to these questions shall be submitted. Please clearly identify the firm name and authorized agent that would be contracting directly with the River Authority, should your team be chosen in the evaluation.

- Only one Attachment B shall be submitted for the prime firm.
- Two Attachment Cs shall be submitted – one for the construction firm and one for the engineer of record design firm.
- Two Attachment Ds shall be submitted – one for the construction firm and one for the engineer of record design firm.
- Two Attachment Es shall be submitted – one for the construction firm and one for the engineer of record design firm.
- Only one Attachment F shall be submitted for the prime firm.

8. Would it be acceptable to print the team’s organizational chart on 11 x 17 / Tabloid-size paper?

11” x 17” sheets will be allowed, however, each 11” x 17” sheet will count as two pages toward the page limit.

9. If the respondent is submitting as a Joint Venture – do other Partners/Co-Respondents need to include their audited financial statements as well?

Yes, please include the audited financial statement for all partners/co-respondents.

10. Since the financial statement doesn’t count in the page limit for Section F, would respondents be allowed to include it in a separate tab as well?

The financial statement can be included in a separate tab.

11. If the respondent is submitting as a Joint Venture – may we only include 3 projects overall or 3 projects from each Joint Venture member?

The River Authority is seeking to understand the experience of previous projects completed by the proposed team. Please include as many references as needed to convey the proposed team’s experience for projects of this type and magnitude and submit the forms listed in the answer to Question 7, above. Respondents must include a minimum of three references and adhere to the Relevant Experience and Qualifications section page limits. The River Authority does reserve the right to request additional references as needed to evaluate each submittal.

12. Specifically, for the Attachment C – Reference form, are Respondents to provide three (3) references for the Design Builder/Prime respondent only or should we duplicate this form to submit an additional three (3) references for our Design Firm too?
Two Attachment Cs shall be submitted – one for the construction firm and one for the engineer of record design firm.

13. For the Relevant Experience and Qualifications section (page 13 of 38), are Respondents only to provide three (3) projects for the Design Builder (prime firm)? Or should we include projects for the design firm too? Also, what is the preferred nature of these projects since Design Build in wastewater projects in Texas is limited?

The River Authority is seeking to understand the experience of previous projects completed by the proposed team. Please include as many references as needed to convey the proposed team’s experience for projects of this type and magnitude. However, respondents must include a minimum of three references and adhere to the Relevant Experience and Qualifications section page limits. The River Authority does reserve the right to request additional references as needed to evaluate each submittal.

The project experience nature should best reflect the Respondent’s capability to successfully complete the Salitrillo Wastewater Treatment Expansion project.

14. Can we get samples for chemical analysis of untreated influent and treated effluent in and out of existing plant? Or, can we get recent reports providing this information?

This information will not be provided at the time of the RFQ solicitation. SARA may elect to provide this data at the RFP stage, if it is again requested.

15. Can we include a Transmittal Letter in our submittal without it counting towards the page count?

A transmittal letter will be included in the page count.

16. Section 4. Minimum Qualifications (page 7 of 38) states that “Licensed professional engineer(s) must be certified in the State of Texas in good standing with no debarments or discipline actions, assigned to project team member. Attach copy of certification or documents from the Texas Board of Professional Engineers.”
   a. Where are Respondents to include each licensed PEs’ TBPE certificates?
   b. Do the certificates count towards the page limitations?

Respondents shall include the TBPE certificates in the Experience and Resources - Project Team section. Those certificates will not count towards the page limits.

17. The Submission Format section (page 10 of 38) states: “If Respondent is proposing as a team, provide the same information for each member of the team.”
   a. Please clarify if this RFQ is requesting Respondents to include the exact same information for all team members for each section of the SOQ submittal.
b. If this statement is indicating to include information for more than the Design Builder and the Design Firm, can subconsultant information be provided in a section that does not count against page limitations?

The prime firm is expected to respond to all portions of the RFQ, but the engineer of record design firm should also respond to the forms as detailed in Question 7, above Section 11.F.1.i. should be modified to change the word “firm” to “team” as clarification.

18. The Experience and Resource section (item F.1.IV: Finances) states to “Provide an audited financial statement for the two most recent fiscal years.” In accordance with Section 22 of the RFQ (page 17 of 38) Part I Section 22, this information will be clearly annotated as confidential on each page.

a. A request is being respectfully made that only one copy of this confidential information be submitted in a separate envelope that will be clearly marked as:

Confidential Financial Information for the Request For Qualifications For Design Build Project (RFQ-DB) For Salitrillo Wastewater Treatment Plant Progressive Design-Build Upgrades #00177
Proposer Name
Submission Date

Yes, a separate envelope as noted above is acceptable. One copy of the financial documents will be sufficient.

b. It is also respectfully requested that this information be returned when SARA completes its review of this information.

The items submitted as part of the response must be kept on file at the River Authority. Please clearly mark confidential items as per Part 1, Section 22 “Confidential Information & Security” (Page 17 of 22). On the electronic response, save confidential information as a separate file, and identify the file name as confidential.

19. Section F, item 1 “Firm Background and Capability” of the Statement of Qualifications requires that proposers submit their last two years of audited financials. Given the confidential nature of this material, we are requesting permission to enclose this material in a separate labelled envelope within our primary submission envelope our submission and include reference to this material in our proposal. Can you confirm this acceptable?

Yes, this will be acceptable.
20. Will financial statements from each firm be confidential?

Please clearly mark confidential items as per Part 1, Section 22 “Confidential Information & Security” (Page 17 of 22). The River Authority cannot guarantee that it will not be required to disclose all or part of any public record under Texas Public Information Act, since information deemed to be confidential by the responder may not be confidential under Texas Law, or pursuant to a Court order.

Please acknowledge addendum on Attachment F of the solicitation document when submitting a response.
### Pre-Solicitation Sign In Sheet
San Antonio River Authority
RFQ-DB #00177 Salitrillo WWTP Design Build Upgrades
January 24, 2020 at 9:00 AM CT

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<td>1</td>
<td>Emily Hanson</td>
<td>SARA</td>
<td>210-302-3100</td>
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<td>2</td>
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<td>3</td>
<td>Sam Merchizing</td>
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<td>4</td>
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<td>Giam Boutes</td>
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<td><a href="mailto:daryl.spillmann@respec.com">daryl.spillmann@respec.com</a></td>
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<td><a href="mailto:bgardner@garney.com">bgardner@garney.com</a></td>
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<td>Mike Panter</td>
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<td>Pep Barnesc</td>
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<td>Lauren Fisner</td>
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Salitrillo Wastewater Treatment Plant

- Northeast Bexar County
- Converse City Limits
Salitrillo Wastewater Treatment Plant

- Judson MS
- Judson HS
- Randolph AFB
Salitrillo Wastewater Treatment Plant

- Originally Built in 1974
- Last Expanded in 1998
- 5.83 MGD ADQ
- Site is ~38 Acres
Salitrillo Wastewater Treatment Plant

Upper Plant

Lower Plant

Outfall
Owner’s Representative Scope – CP&Y

Preliminary Engineering Services
• Facility Planning
• Design Criteria Manual
• On-going Pilot Studies

Project Management Services
• Project Completion Schedule & Budget Development
• Submittal Reviews
• Document Control

Construction Management Services
• Inspection Observations Services
• Facility Start-Up and Commissioning Oversight
Design-Builder Services

- Engineering Design Services
- Guaranteed Maximum Price (GMP) at 60% Design
- Signed and Sealed Designs
- Construction Management Services
- Construction
- Construction Start-Up & Testing
- Permits and Agency Coordination
Alternate Procurement Method

Progressive Design-Build

- Design Criteria (Owner’s Rep.)
- Two Phase Procurement
- Design-Builder Selected
- Detailed Design
- Construction
Project Timeline

**Procurement**
- RFQ - Feb 2020
- RFP - Mar 2020
- Award - May 2020

**Design**
- NTP – May 2020
- 60% GMP – Dec 2020
- 100% - March 2021

**Construction**
- Completion – Feb 2022
Facility Planning Report Completed in September 2018

- Conducted a Service Area Analysis
- Assessed Existing Operational Challenges
- Developed a Hydraulic Model
- Updated Hydromantis Process Model
- Documented Expansion Improvements
Service Area Analysis

- **Land Use Analysis**
- **Population Projections**
- **Projected Plant Flows**

**2029 Buildout**
- Population: 103,843
- EDU’s: 40,883

**2029 Flow Projections**
- AAQ: 5.72 MGD
- MMQ: 7.15 MGD
- PDQ: 17.17 MGD

Committed to Safe, Clean, Enjoyable Creeks and Rivers.
Service Area Analysis

Land Use Analysis → Population Projections → Projected Plant Flows

2029 Buildout
Population: 103,843
EDU’s: 40,883

2029 Flow Projections
AAQ: 5.91 MGD
MMQ: 7.33 MGD
PDQ: 17.72 MGD

Potential Future
PDQ: 24 MGD

Committed to Safe, Clean, Enjoyable Creeks and Rivers.
Existing Operational Challenges

Identified operational issues at Salitrillo:

• Upper Plant:
  • Effluent quality issues due to distance from Upper Plant UV and the point where the Upper and Lower Plant Effluent is combined.

• Lower Plant:
  • Equipment replacements necessary.
  • Hydraulic challenges during peak flow events.
Hydraulic Model

Hydraulic Model was developed in Microsoft Excel for engineer’s and operator’s ease of use.

- Water Surface Elevations, Freeboard, and TCEQ parameters for each hydraulic segment.
- Verified with survey.
Process Model

Process model was created in 2014 and updated with recent operations data. A pilot is ongoing to provide supplemental information on process capacity for a potential TCEQ design criteria variance.
Expansion Improvements

Design Parameters

• Design Flows:

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• Influent Data:

• Effluent Data based on TCEQ Discharge Permit limits.
Expansion Improvements

Design Criteria:

• TCEQ Title 30 TAC Chapter 217
• Additional SARA Criteria: Secondary Clarifier surface overflow rate = 600 gpd/sf

Note:

• Aeration Basin organic loading is currently being piloted for TCEQ requirement variance
Design Criteria Package

Included in RFQ
• General Project Description
• Plant Site Information
• Plant Expansion Design Parameters

Included in RFP
• Current Site Conditions and Equipment
• Owner Design Criteria Requirements
Scope of Work – Lower Plant

• Replace existing 4,889 gpm influent screw pump
• Expand screenings with a new mechanical barscreen, including a 2 x 4 ft channel
• Provide supplemental diffused aeration to secondary treatment process
• Construct two (2) new 90-foot diameter secondary clarifiers dedicated to aeration basins resulting in a flow configuration with two secondary treatment trains
• Replace the existing grit removal system and replace portions of the headworks
• Replace the existing gates following the grit system
• Replace the existing bar screen compactor and add noise abatement
• Replace or upgrade the existing 8” sludge pump
• Mechanical rehabilitation is required for both clarifiers
• Replace aerators for both carousel aeration basins
• Structural improvements to oxidation ditches may be required following the completion of an on-going structural assessment
Scope of Work - Upper Plant

- Replace existing 1,100 gpm Influent Pump with 1,600 gpm influent pump to increase the Influent Pump Station firm capacity to 4.75 MGD
- Provide supplemental diffused aeration to secondary treatment process
- Construct one (1) new 90-foot diameter secondary clarifier to match existing
- Replace the existing screen with a bar/step screen
- Add grit removal mechanicals and associated structures
- Replace aerators for carousel aeration basin
Scope of Work - Combined Plant

• Install one (1) new combined post-aeration and UV disinfection system and abandon existing post-aeration and UV disinfection systems.
• Install a new Intermittent Low Lift Pump Station designed with a firm capacity of P2HRQ to pump plant effluent during high receiving stream water elevations.
• Install a new effluent flow meter Parshall flume and abandon existing flow measurement vault and Parshall flume.
• Design a new lab and office building.
• Upgrade or Replace existing Electrical and Motor Control Center (MCC).
• Raising or relocating existing interior roads out of 100-year floodplain.
• Install new fencing and gates around the property including the addition of a SARA designed monument.
• Upgrade and replace SCADA equipment.
Scope of Work - Additional Considerations

- Mitigate impacts from the 100-year floodplain and new ATLAS 14 designations
- Improved odor control for the facility
- Examine facility lighting to reduce the impact on surrounding properties
- Evaluate noise abatement strategies for equipment exceeding 80 dB
- Chlorine Building
- Determine long-term solids handling capacity needs are met
- Submetering
- Evaluate the use of solar panels
- Perform analysis to determine I&I mitigation strategies
- Evaluate the use of tertiary filters
- Site will be designed to in accordance with SARA’s Low Impact Development
- SARA will not be seeking an Envision Rating