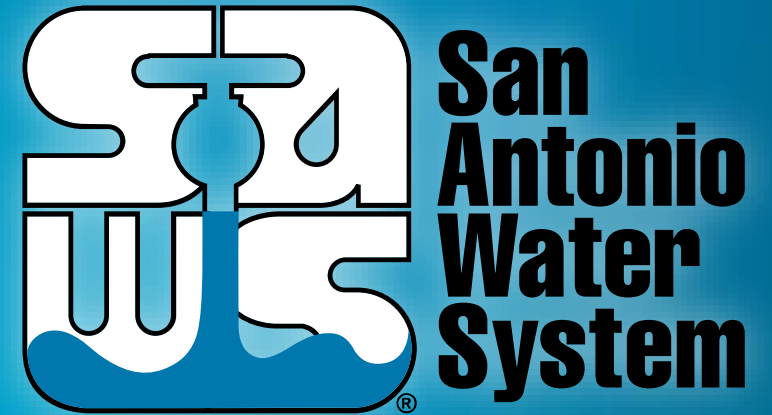


# Steven M. Clouse WRC Digester Mixing and System Enhancements – Phase 3 RFQ

Ila E. Drzymala, PhD, PE  
Engineer, SAWS

Fred Flores  
Contract Administrator, SAWS



MAKING SAN ANTONIO  
**WATERFUL**

Non-Mandatory Pre-Submittal Conference  
Thursday, November 7, 2019

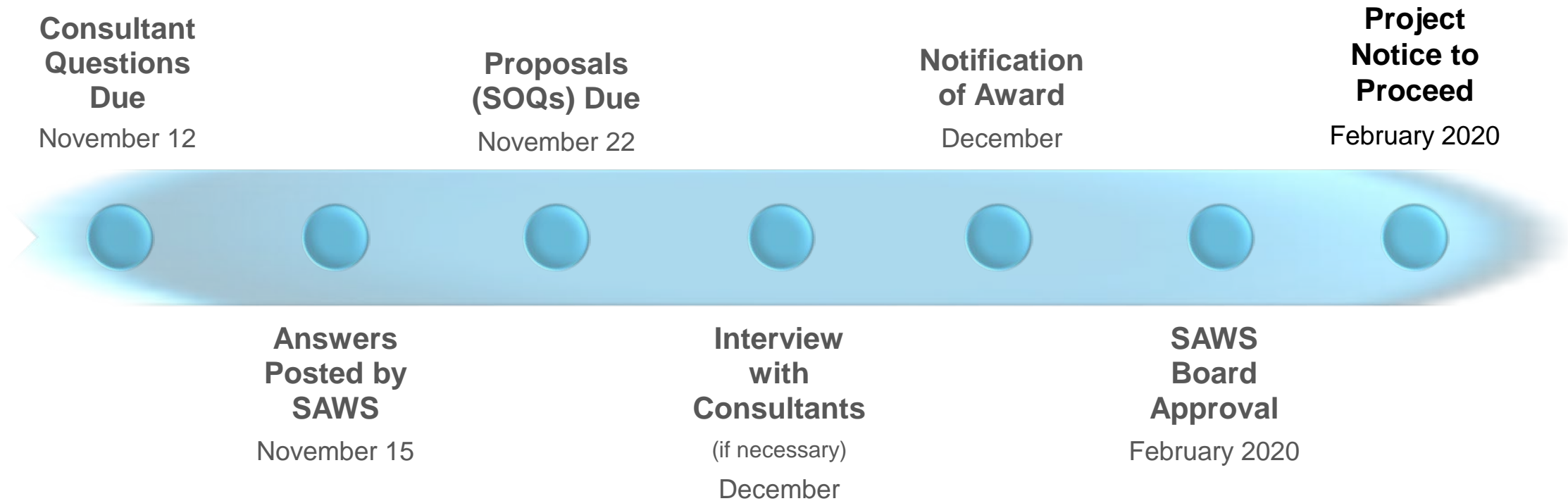
# Oral Statements

- Oral statements or discussions during this Pre-Submittal Conference and the site visit will not be binding, nor will they change or affect the RFQ or the terms and conditions of the contract. Changes, if any, will be addressed in writing only via an Addendum.

# Communication Reminders

- No communication regarding the RFQ with the following:
  - SAWS Project Manager
  - SAWS Technical Representative
  - Any other SAWS staff, managers, directors or VPs
  - City Council member or staff
  - SAWS Board of Trustees
- No phone calls, emails, letters, direct/indirect discussion of the RFQ
  - If submitting for the RFQ and/or doing work for SAWS, indicate this when speaking with SAWS staff, but refrain from discussing the RFQ
- Communication restriction is in effect until Board Award

# RFQ Schedule



# SMWVB Program Goal

Industry	SMWVB Goal	Description
<b>Engineering and Other Professional Services</b>	<b>40%</b>	<ul style="list-style-type: none"><li>• <b>Points issued for SMWB on tiered scale</b></li></ul>

# SMWVB Requirements

- SMWVB Certification accepted from the following entities:
  - South Central Texas Regional Certification Agency
  - Texas H.U.B.
- RFQ Scoring:
  - Up to 15 Points
  - Local Office
  - Small Business Enterprise (SBE)
  - Veteran-owned Business Enterprises (VBEs): Not eligible for points, but tracked for participation

# SMWVB Post-Award

- Payments made to subconsultants, subcontractors, and suppliers (SMWVBs and Non-SMWVBs) will be reported using SAWS Subcontractor Payment and Utilization Reporting (S.P.U.R.) System. This is a contractual requirement.

# Post Award: Subcontractor Payment & Utilization Reporting (S.P.U.R.) System & Subcontractor Changes

## WWW.SAWS.SMWBE.COM





# SMWVB Questions

- Questions related to the SMWVB Program, completion of the Good Faith Effort Plan (GFEP), or scoring of the GFEP may be directed to the SMWVB Program Manager until the RFQ is due.

**Marisol V. Robles**

SMWVB Program Manager

Email: [Marisol.Robles@saws.org](mailto:Marisol.Robles@saws.org)

Telephone: 210-233-3420

# Respondent Questions

- Must be submitted in writing via e-mail no later than November 12, 2019 by 2:00 pm to:

**Fred Flores**

Contract Administration Department

San Antonio Water System

[Fred.Flores@saws.org](mailto:Fred.Flores@saws.org)

# Addenda

- Register as a vendor with SAWS Vendor Registration and Notification
- More than one (1) Addendum may be posted
- Check SAWS website often and prior to submitting your proposal
- Known Addendum changes are:
  - Responses to questions

# Submitting a Response

- Submit hard copies
  - 1 original and 8 copies
- Include a USB flash drive of the original proposal; include all pages
- Reference the RFQ document to determine what additional items are required
- Page limit of twenty one (21) per proposal
  - Must be securely bound by any means other than 3-ring binders
  - Use 8 1/2 x 11 portrait format
  - one 11" x 17" permitted (will not count towards total page count)

# Submitting a Response

## Helpful Reminders

- Thoroughly read the RFQ document prior to submitting your proposal
- Maximize points by addressing all items in the order they are identified in the RFQ
- Be specific; avoid “boiler plate” responses
- Utilize the Submittal Response Checklist
- Perform a thorough QA/QC on your proposal prior to submitting

# Selection Process

- Statements of Qualifications received and reviewed for responsiveness
- Technical Evaluation Committee will score qualification statements based on established Evaluation Criteria
- Good Faith Effort Plan (GFEP) will be evaluated and scored
- Selection Committee will review and recommend
- Interviews held, if necessary
- Negotiation with selected Consultant within (15) calendar days of receipt of Selection Letter
- Board Award

# Evaluation Criteria

<b>Criteria</b>	<b>Max Points</b>
Team Experience and Qualifications	30
Similar Projects and Past Performance	30
Project Understanding and Approach	25
Small, Minority, Woman, and Veteran-owned Business (SMWVB) Participation	15
<b>TOTAL</b>	<b>100</b>

# Scoring Criteria

## Team Experience and Qualifications (Refer to Attachment II)

- Org Chart: Identify all proposed “Key Personnel” and “Key Subconsultants.”
- Resume: Not more than 1 page for each proposed Key Personnel. Project Manager resume first. Name/title/education. Describe professional qualifications/experience/expertise, years with current firm and total years of professional experience. List 3 similar projects completed in last 10 years (relevant to project scope), specifying with current firm or part of overall professional experience. List all active projects, durations, phases and percent time allocated to each project.
- Describe proposed team including Subconsultants, roles and responsibilities of team members, and teaming history.
- Availability Table Matrix: Only for “Key Personnel” and “Key Subconsultants Personnel.” Include percent time committed to project for entire duration and geographic location.
- Use Fillable Forms (Attachment III) – Forms will count towards total page limit.



# Scoring Criteria

## Similar Projects and Past Performance (Refer to Attachment II)

- Use Fillable Forms (Attachment III) - Forms will count towards total page limit.
- Provide minimum 3 current/previous projects in last 10 years. Ensure scopes are similar to the RFQ project. Make sure as many team members being proposed have been involved together.
  - Names of client and location (city and state)
  - Reference contact to include names, titles and “current” phone numbers (verify)
  - The corresponding year and duration of assignments/projects
  - Detailed description of projects; explain why projects are similar to the RFQ project
  - Key Personnel and Subconsultants’ responsibilities
  - Cost info for above 3 projects plus 2 more; EOPCC vs. actual awarded construction cost

# Scoring Criteria

## Project Understanding and Approach (Refer to Attachment II)

- Explain, in detail, how your firm will execute and complete the scope. Discuss innovative approaches/ ideas/recommendations.
- Provide responses to:
  - Familiarity with SAWS facilities/infrastructure
  - Familiarity with project scope areas
  - Approach to becoming familiar with local/regional market conditions
  - Understanding and addressing of project related issues (design and construction)
  - Coordination requirements, responsiveness and follow through
  - Approach to meet deadlines, fast-track requests, schedule recovery procedures

# Scoring Criteria

## Project Understanding and Approach (Refer to Attachment II) (cont.)

- Specific and unique quality control/quality assurance and risk management
  - Plan to identify, track and resolve issues
  - Role of independent QA/QC team for “high quality, permitable, biddable and constructible” project
  - Respondent’s role vs. SAWS role
  - Describe how complete and accurate EOPCCs are derived for each phase
  - Familiarity with AACE estimates and RS Means

# Submittal Deadline

- Submittal deadline is November 22, 2019 at 2:00 pm
- Solicitation number, solicitation name, date and time of the deadline should be clearly identified on the outside of the submittal package
- Deliver to 2800 U.S. Highway 281 North, Customer Service Building:
  - Deliver to Counter Services (not to Contract Administration in Suite 171)
  - SAWS recommends submitting your proposal at least two (2) hours prior to the deadline
  - Make arrangements early if mailing your proposal
- Late responses will not be accepted, and will be returned unopened

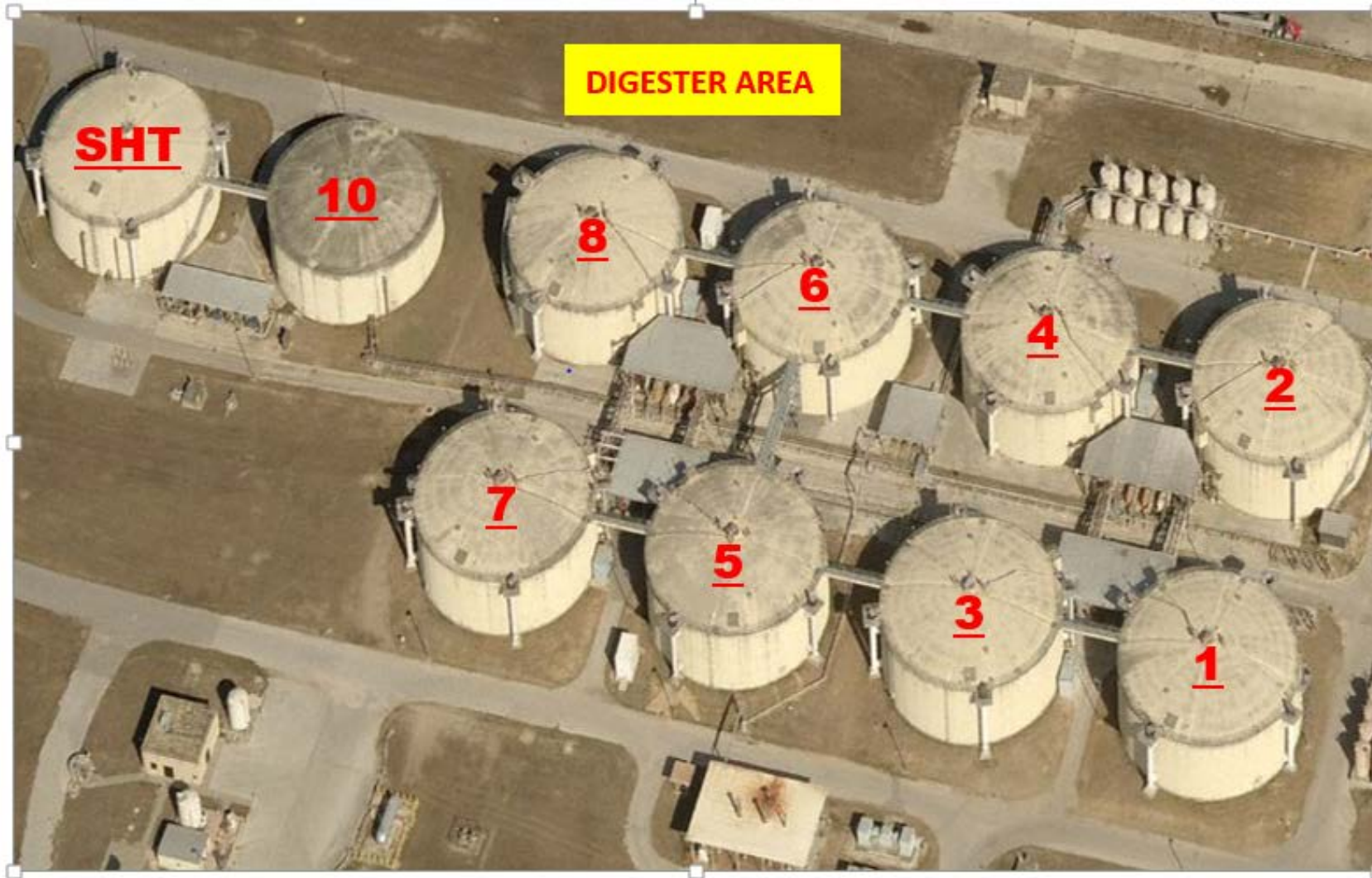
# Project Schedule

- SAWS Board Award for Design: February 2020
- SAWS Board Award for Construction: June 2021
- Anticipated Schedule for Phases (subject to change):
  - 30% Design Phase: 90 days
  - 60% Design Phase: 120 days
  - 90% Design Phase: 60 days
  - 100% Design and Bid Phase: 90 days
  - Construction Phase: 15 months (to be verified by Consultant)

# Digestion Facilities



# Digestion Facilities



# Digestion Facilities



Steven M. Clouse WRC Digester Mixing and System Enhancements Phase 3



# Scope

- Cleaning of the digesters:
  - Empty and clean tanks in preparation for work. All digesters may need to be emptied and cleaned to install overflow lines.
  - Legally dispose of tank contents.

# Scope

- Testing digester dome integrity and repairing liner:
  - Asses condition of dome liner and side walls (possible boat ride)
    - Provide assessment and recommendation memo
    - Digester No. 6 liner has already been repaired. (Consultant shall not include any level of effort for this task.)
  - If replacement required
    - Remove existing liner from construction joints;
    - Install new liner system along construction joints;
    - Close existing openings in construction joints with epoxy sealer;
    - Install new grout sealer on top surface of dome at construction joints; and,
    - Pressure test to verify dome integrity.

# Scope

- Sealing the leaks at the bottom perimeter, inside and outside, of the digesters.
- Replacement of existing pressure / vacuum release assemblies, three-way valves, and manways.
- Evaluation of meters and probes:
  - Evaluate condition of existing digester gas meters, temperature probes, and replace if necessary
  - Location of temperature probes:
    - Evaluate and propose best location to obtain accurate readings and facilitate access for maintenance and calibration.
  - Provide automation for temperature control

# Scope

- Replacement of existing mixing system:
  - Demolish existing mixers
  - Assess/compare existing draft-tube mixing and pump-mix mixing
  - Assess scum formation and remedy options
  - Install new mixers
  - Install new electrical systems to support the mixing system
  - Install overflow system for all digesters. The System prefers double overflow configuration similar to the overflow installed in Digester No. 6.

# Scope

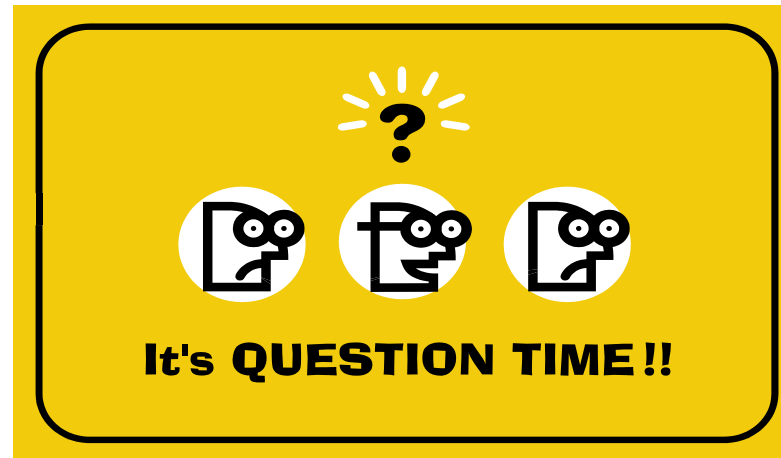
- Evaluation of the heating system:
  - Evaluate condition of digester heating systems to include heat exchangers, boilers, piping, valves, and recirculation pumps.
  - Replace oldest boiler
    - Expand, if necessary
    - Replace canopy roof

# Scope

- Evaluation of required Electrical and I&C upgrades:
  - Evaluate electrical systems
    - Replace and/or install Motor Control Center (MCC) Buildings
  - Modify existing Distribution Control System (DCS) as required
    - Change Remote Input/Output (RIO) to SCADA/PLC (Allen-Bradley systems) for all digesters to ensure alignment and consistency with recently adopted control strategy and philosophy.
    - Coordinate with the existing effort to transition from DCS to PLC system at the WRCs.

# Scope

- Evaluation of required site civil, demolition, structural, and mechanical work:
  - New pads for pumps
  - Replace old valves
  - Replace old piping
  - Demolish
    - Sponges near the digesters
    - Digester building



# Let's go visit the digestion area!!

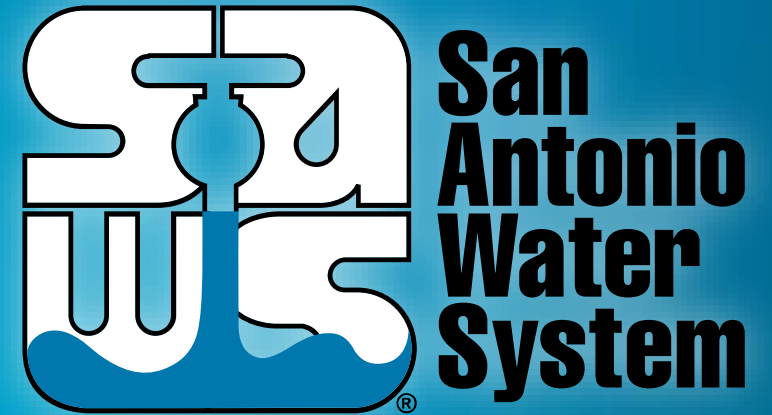
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