

# Dos Rios WRC Electrical System Improvements – Phase 2 Project

**Jeff Ray, E.I.T.**

Project Engineer, Plants and Major Projects

November 29, 2016

Pre-submittal Conference

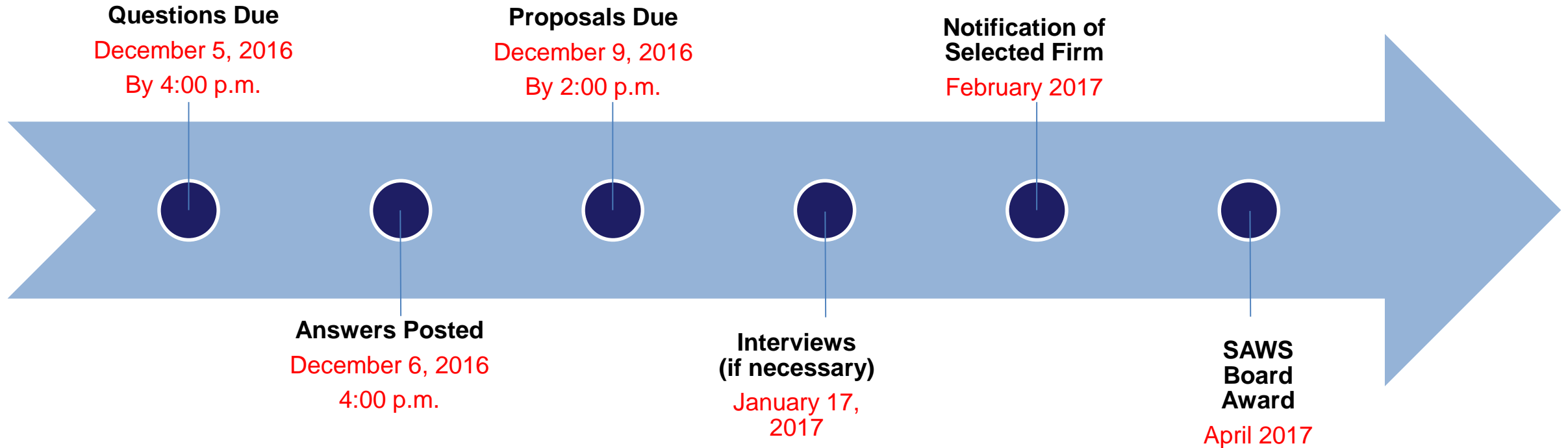


# Introduction

- Sign attendance sheet
- Owner:
  - Jeff Ray – Project Engineer  
Plants and Major Projects
  - Stella Manzello – Contract Administration Specialist  
SAWS Contracting
  - Diana Woltersdorf– Contract Administration Manager  
SAWS Contracting

**Oral statements or discussion during the SOQ Pre-Submittal Meeting will not be binding, nor will they change or affect the RFQ or the terms or conditions of the contract. Changes, if any, will be addressed in writing only via an Addendum**

# RFQ Schedule



# Contract Requirements

1. The project shall be designed by licensed Professional Engineer(s).
2. The Consultant's Project Manager, a licensed Professional Engineer in the State of Texas, shall be available to meet with SAWS staff at the SAWS Headquarters and/or SAWS project site with minimal advance notice if requested.
  - In addition, SAWS will not pay for travel expenses as part of the contract to be negotiated for this project.
3. Any management or team change during the execution of the project shall not have any effect on the progress, budget or schedule of the project. SAWS reserves the right to approve personnel changes.
4. The project shall be managed through SAWS' Contract and Project Management System (CPMS).

# Evaluation Process

- Qualification statements are received
- Contracting reviews for responsiveness
- Technical Evaluation Committee will score qualification statements
- Good Faith Effort Plan will be scored
- Selection Committee reviews and recommends
- Interviews
- Negotiation
- Board Award

# Evaluation Criteria

- Experience in Similar Projects – 35 Points
- Project Team, Resumes, and Qualifications – 25 points
- Project Understanding and Approach – 25 Points
- SMWB Participation – 15 Points

# Submittal Packet

- Respondent Questionnaire
  - Acknowledgement of Security Procedures, Addendums, and Contract Terms and Conditions
- Experience in Similar Projects
  - List and describe 3 relevant projects within last 7 years your firm served:
    - Names of client and location
    - Corresponding year and duration of assignments
    - Brief description of projects
    - Schedules and construction budgets of projects, major challenges/issues and solutions offered.
    - Respondent's role and team members' responsibilities in projects.
    - Reference contact to include names, titles and a current phone numbers, which has been previously verified.
  - Firm's record of performance



# Submittal Packet (Cont'd)

- Project Team, Resumes, and Qualifications
  - Organizational chart identifying key personnel (including sub-consultants) with resumes
  - Additional skills, experience, and/or qualifications specific to your firm
- Project Understanding and Approach
  - Detailed approach explaining how Respondent's Project Management Team would execute and complete the services

# SMWB Requirements

- **SMWB Certification accepted from the following entities:**
  - South Central Texas Regional Certification Agency
  - Texas H.U.B.
  - System for Award Management aka “SAM”
  - Small Business Administration (SBA)
- **RFQ Scoring:**
  - Minority and Women Owned Firms primes
    - Awarded 15 points
  - Small Business Enterprises (SBEs) primes
    - Award 5 points plus,
    - Subcontractor SMWB % participation X 20
    - Maximum of 10 points
  - Non-SMWB primes
    - Subcontractor SMWB % participation X 20
    - Maximum of 10 points

# SMWB Questions

- Questions related to SMWB may be directed to SAWS' SMWB Program Specialist, up until the RFQ is due. Her contact information is as follows:

**Susan Rodriguez**

Contract Administration Department

San Antonio Water System

Email Address: [Susan.Rodriguez@saws.org](mailto:Susan.Rodriguez@saws.org)

Telephone No.: 210-233-2950

# Submittal Packet Reminders

- Maximize points by addressing all required items requested in the RFQ
  - Be very specific in responses and avoid “boiler plate” responses
  - Highlight areas that are unique to your firm
  - Contact the SMWB Program Specialist for assistance
- Utilize the Submittal Checklist
  - Ensure all items included and all documents signed
- Responses are limited to 25 pages\*  
(required forms do not count – nor do tab dividers)
- Submit electronically

# Forthcoming Addendum

- Addendum to be posted tomorrow, December 1
  - Correcting the page limit from 12 to 25 pages
  - Providing additional supplementary information to Respondents which includes:
    - Volume I of V – Electrical and 1-C System Condition Evaluation
    - Volume V of V- Plant One Line Diagrams
  - Respondents will need to print and submit a SAWS Disclaimer form.
  - Once received, Stella Manzello will provide the files via SAWS' FTP site

# Communication Reminders

- Upon release of the RFQ until the contract is awarded, there should not be any RFQ-related communication with SAWS:
  - Project Directors
  - Project Managers
  - Project Engineers
- This includes phone calls, emails, letter, or any direct or indirect discussion of the RFQ

# POC and Technical Questions

- Should be submitted no later than Monday, December 5, 2016 at 4:00 p.m. CDT
- Must be in writing:

**Stella Manzello**

Contract Administration Department

San Antonio Water System

[Stella.Manzello@saws.org](mailto:Stella.Manzello@saws.org)

# Submission Due Date

- Responses due electronically no later than 2:00 p.m. CT December 9, 2016
  - Submit at least 2 hours ahead of time
  - SAWS will provide a response via email acknowledging electronic submission
  - File size limit is 10 MB



# Anticipated Scope

- Replace plant substations – 13.2 kV / 480 V, 1,000 kVA transformers and associated switches and/or breakers
  - Approx. (2) substations
- Replace 480 V MCCs
  - Primary Clarifiers and 1<sup>st</sup> Stage areas
  - Many existing MCCs are NEMA 1 and located outdoor
  - Proposed MCCs inside new building(s)
  - Approx. (10) MCC lineups for replacement

# Anticipated Scope, Cont.

- As related to these electrical equipment replacements
  - Replace all raceways (aboveground/underground), including power, control and instrument cable as needed
  - Replace control panels w/ new air conditioned panels as needed
  - Replace disconnect switches, HOA switches, 120 V receptacle outlets, and related conduits/wiring as needed
  - Replace area/equipment lighting systems, including conduits and wiring, with LED lights

# Anticipated Scope, Cont.

- As related to these electrical equipment replacements
  - Replace DCS RIO controllers/cabinets associated w/ equipment monitoring
  - Replace field instrumentation equipment as needed
  - Demolition of all abandoned existing electrical and instrumentation equipment
  - Surveying and Subsurface Utility Exploration documentation
  - Misc. civil site and improvements work may be required

# Anticipated Scope, Cont.

- As related to these electrical equipment replacements
  - Construction inspections, pre-start-up and start-up/commissioning during construction
  - Coordination of design elements and construction sequencing is critical to maintain continuous plant operations

# Substation (Typ.)



Substation #1

13.2 KV / 480 V, 1,000 KVA



Substation #2

13.2 KV / 480 V, 1,000 KVA

# Motor Control Center – Outdoor (Typ.)



MCC-RS-1



MCC-RS-2

480 V, 1,000 A (NEMA 1 Enclosures)

# Additional Information

- Dos Rios WRC Electrical System Assessment Project
  - ✓ Report finalized 2012
  - ✓ Assessed existing electrical infrastructure condition / compliance with current electrical codes
  - ✓ Volumes I & V available upon request / disclaimer agreement
    - Volume I: Electrical / I&C condition evaluation
    - Volume V: Plant one-line diagrams

# Additional Information, Cont.

- Electrical System Improvements Program

## *Four Planned Phases*

- ✓ Minimize impacts to plant operations
- ✓ **Phase 1** replaces much of plant's 13.2 kV distribution system and installs new 13.2 kV main electrical switchgear building
  - Construction start anticipated for January 2017
- ✓ **Phase 2** as previously described
- ✓ **Phases 3 & 4** to address mostly 5 kV and 480 V infrastructure and equipment



# Questions



# Dos Rios WRC Electrical System Improvements – Phase 2 Project

**Jeff Ray, E.I.T.**

Project Engineer, Plants and Major Projects

November 29, 2016

Pre-submittal Conference

