

Steven M. Clouse WRC Electrical System Improvements – Phase 2B

Edward Hayes, P.E.

Project Engineer, Plants and Major Projects

Roxanne Lockhart

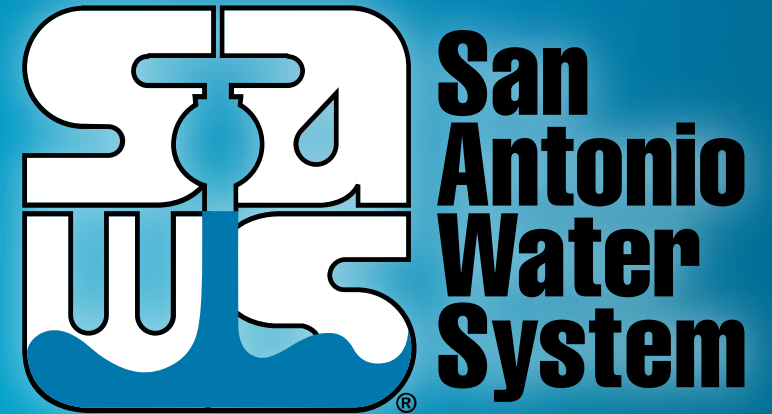
Contract Administrator

Marisol Robles

SMWVB Program Manager

Bill Sako, P. E.

Gupta and Associates, Engineer of Record



Non-Mandatory Pre-Proposal Meeting

July 26, 2022

MAKING SAN ANTONIO
WATERFUL 

WebEx Meeting Information

- With the switch to an online WebEx meeting, attendees can:
 - Access the presentation thru the WebEx link to follow along real-time
 - Access via phone and follow along with the PowerPoint posted on the SAWS web at: https://apps.saws.org/business_center/contractsol
 - Use the chat feature to ask questions, or
 - Ask questions through email to roxanne.lockhart@saws.org
 - ✓ SAWS will read questions aloud
- Please mute your devices during the meeting

Oral Statements

Oral statements or discussion during the pre-proposal meeting today will not be binding, nor will it change or affect the terms or conditions within the Plans and Specifications of this Project. Changes, if any, will be addressed in writing only via an Addendum.

Meeting Agenda

- General Information
- Non-Mandatory Site Visit
- SMWB Requirements
- Contract Solicitations Website
- Vendor Registration
- Contract Requirements
- Required Experience
- Evaluation Process
- Evaluation Criteria
- Proposal Packet Preparation
- Key Dates
- Communication Reminders
- Proposal Due Date
- Contact Information
- Project Overview
- Questions

General Information

- This is a non-mandatory pre-proposal meeting
- The construction estimate is \$17,000,000.00
- Construction services being procured through Request For Competitive Sealed Proposals (RFCSP) under Texas Government Code 2269
- Geotechnical Data Report has been posted on SAWS website (available with electronic disclaimer)
- Construction duration is 858 calendar days

Non-Mandatory Site Visit

- Reference Site Visit Procedures
- August 2 and 4, 2022 between 9:00 a.m. and 10:00 a.m.
- By Appointment only
- Site visit duration – 1 Hour
 - Arrive 30 minutes early for check in
- No Q&A during site visit
- COVID-19 protocols recommended (mask, temperature check, distancing)
- Visitors to wear proper PPE
- Coordinate site visits in advance with Roxanne Lockhart via email
- Sign up for site visit no later than July 28, 2022 at 4:00 p.m.
- Purpose is to allow Contractors to visit project areas in person:
 - 1st Stage Aeration Area
 - Other areas upon request

Aspirational SMWB Goal

Industry	Aspirational SMWB Goal
Construction	20%

The aspirational SMWB goal is 20% of your total Price Proposal

Minimum Qualifications for SMWB recognition:

- **Certification from the South Central Texas Regional Certification Agency**
 - Businesses must be SBE-Certified (including MBEs and WBEs)
 - Texas Historically Underutilized Business “HUB” also recognized
- **Local office or local equipment yard**
 - Atascosa, Bandera, Bexar, Comal, Frio, Guadalupe, Kendall, Kerr, McMullen, Medina, Uvalde and Wilson

Good Faith Effort Plan (GFEP) FAQs

- **Q: Is the 20% SMWB goal mandatory?**

A: No, but we ask prime contractors to do their best with good faith outreach efforts. If the goal is not met, proof of outreach efforts is required with the submittal.

- **Q: What if I am having trouble finding SMWB subcontractors?**

A: Outreach lists from the South Central Texas Regional Certification Agency are now Excel-exportable at www.sctrca.sctrca.org. If you are having trouble with the downloads, please email the SMWB Program Manager.

- **Q: What if my business is SMWVB-certified? Do I need to find SMWVB subs?**

A: If your firm is SMWB-certified, you will most likely meet the goal. However, the GFEP is a required document, and a good faith outreach effort is still necessary.

- **Q: Do I need to include all my subcontractors in the GFEP or just those that qualify towards the SMWB goal?**

A: All subcontractors need to be included in the GFEP, even those that may not count towards the SMWB goal.

- **Q: What if I have questions about the GFEP?**

A: Please contact the SMWB Program Manager at 210-233-3420, or at Marisol.Robles@saws.org. GFEP questions can be asked at any time before the submittal is due.

SMWB Scoring

Proposed SAWS Construction Alternative Delivery Method SMWB Scoring:

All respondents may earn the maximum number of SMWB points (10 points). Firms may use any combination of points below when attempting to meet the SMWB goals. Self-performance and subcontracting may be used to achieve the aspirational goals and earn points. SMWB prime contractors and/or subcontractors must be certified by the South Central Texas Regional Certification Agency, and must have a local presence in the San Antonio Metropolitan Statistical Area in order to be eligible for SMWB points.

1. M/WBE Scoring Method: 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

2. SBE (Non-M/WBE) Scoring Method: 5 Points (By percentage) 5% SBE Goal

- 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

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

1. Subcontractor & Supplier Payment Tracking
2. Subcontractor and Supplier Additions or Substitutions
3. Must be Current and Accurate before Retainage is released

<https://saws.smwbe.com>



San Antonio Water System

OUR MAIN SITE CONTACT SUPPORT

Subcontractor Payment & Utilization Reporting System

Log In

System Training
Learn how to fully utilize our system with a live trainer
Training

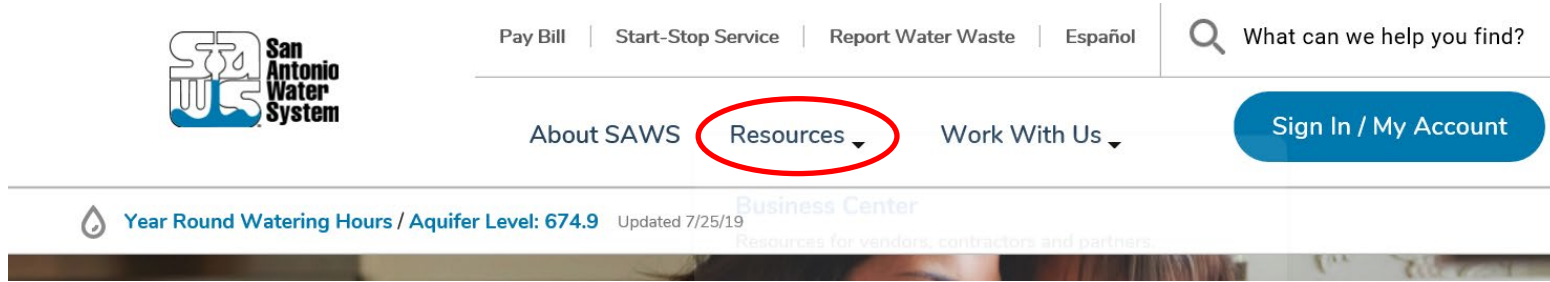
About the System
Learn more about this system and how it works today
Information for Vendors

Account Access
Lookup Vendor accounts or reset user passwords
Account Lookup
Forgot Password

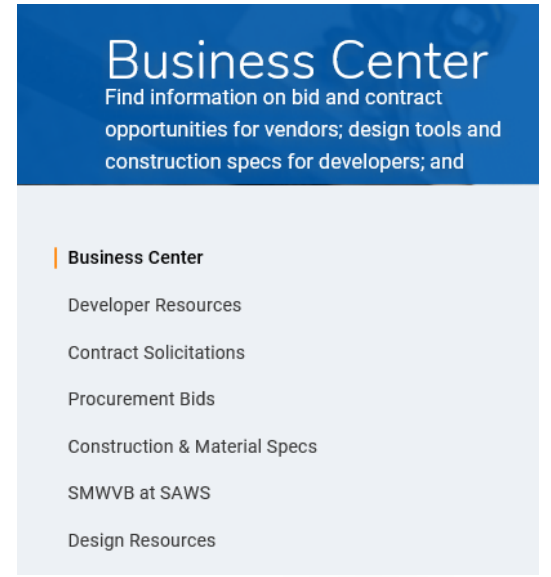
The Subcontractor Payment & Utilization Reporting System is powered by B2Gnow Software © Copyright 2018.

Contract Solicitations Website

- To locate the Contract Solicitations website choose Resources



- At the drop-down menu choose Contract Solicitations



Contract Solicitations Website

- Choose the specific project
- The following buttons are now located under the advertisement:
 - Notify Me
 - Plan Holder's List
 - Downloads
 - Plans
 - Specs
 - Addendums
 - Geotechnical Data Report



The screenshot displays three main sections on the website:

- Non-Mandatory Pre-Bid Meeting**: A calendar icon with the number 31. Text below reads "2:00 PM, Thursday May. 26, 2022" and "WebEx".
- Notify Me**: A megaphone icon. Text below reads "Receive updates sent straight to your inbox." and a blue "Subscribe" button.
- Plan Holders List**: An icon of three people. Text below reads "View plan holders list." and a blue "View List" button.

Below these is a **Downloads** section with three entries:

- CO-00503 Access Map**: May. 13, 2022. Includes a PDF icon.
- CO-00503 Specifications**: May. 13, 2022. Includes a PDF icon and a lock icon. Note: "Note: You must be logged in to access this document."
- CO-00503 Plans**: May. 13, 2022. Includes a PDF icon and a lock icon. Note: "Note: You must be logged in to access this document."

Vendor Registration & Notification (VRN)

- Please register through SAWS Vendor Registration Program on the SAWS website at www.saws.org to ensure access to the latest information
- To receive updates, including Addendums, for specific projects, registered vendors must 'Subscribe' to the project by selecting the project, and clicking 'Subscribe' under the Notify Me box

https://apps.saws.org/Business_Center/Contractsol/



Notify Me

Receive updates sent straight to your inbox.



Subscribe

Contract Requirements

Prevailing Wage Rate and Labor Standards – Section 2.10 of the General Conditions

- Certified payroll to be submitted on weekly basis for prime and subs and should be current and accurate before retainage can be released
- Wage decisions are included within the specifications
- Contractors and subcontractors to utilize LCP Tracker
- Site visits are random and unannounced
- Interviews will be conducted and will be private & confidential
- Payroll records are subject to review
- All apprenticeship programs will need to be approved by Department of Labor prior to starting
- Contractors are responsible for sub-contractor payroll
- Late payrolls may delay contractor payments and/or release of retainage from SAWWS

Contract Requirements

- Insurance requirements are found in Section 5.7 of the GCs
- Contractor must maintain insurance coverage during the construction of this Project
- SAWS will ask for insurance prior to Board award to expedite execution of the contract
 - Any deficiencies must be corrected prior to Board award
 - Insurance must be compliant for this project and any other active SAWS projects prior to executing the contract

Contract Requirements

- The Contractor shall perform the Work with its own organization on at least 40% of the total original contract price to be confirmed by the Bidder on Page I of the Good Faith Effort Plan (GFEP)
- Liquidated Damages are \$1,050 per day

Evaluation Process

- Technical Evaluation Committee (TEC) will score the proposals based on the evaluation criteria published in the Supplementary Instructions to Respondents to determine the Respondent who can provide the best value to SAWWS
- Price will be calculated (lowest price receives the highest points) and added to final scores
- SMWB points will be added to final scores
- Selection Evaluation Committee reviews final scores
- Negotiations, if any
- Board award

Required Experience

- Respondents should have the following experience to submit a proposal:
 - Constructing electrical power system improvements for large existing water and/or wastewater treatment facilities, rehabilitating, and upgrading electrical and instrumentation and control systems for water and/or wastewater treatment plants is a primary focus and service, and such services have been successfully provided for at least five (5) continuous years

Evaluation Criteria

Criteria	Weight	Pg. No.
Team Qualifications and Experience	17%	SIR-3
Quality, Reputation, and Ability to Deliver Projects on Schedule and within Budget	15%	SIR-4
Project Approach including Delivery Schedule	18%	SIR-6
Price Proposal	40%	SIR-8
Small, Minority, and Women-owned Business Participation	10%	SIR-8
TOTAL	100%	

Evaluation Criteria

Team Qualifications and Experience

- *Organization Structure and Key Information of the Prime Contractor*
 - Current business organizational structure, type of business structure, and stability of organization
 - Number of employees
 - Debarment history for last 10 years
 - Litigation/arbitration/claims history for last 3 years
 - Number of years performing contracting/construction work under current legal business name and/or previous legal business name(s)
 - Financial statements for the last most complete three (3) years*

*Will be inserted via Addendum

Evaluation Criteria

Team Qualifications and Experience

- *Proposed Team Structure and Key Personnel Roles and Responsibilities*
 - 1-page Org Chart (include Key Personnel for the Prime Contractor and Key Subcontractors, include percent availability as percentage of total individual's workload for Key Personnel for Prime and Key Subcontractors and their proposed role for the duration of the Project)
 - Clear description of proposed team identifying Key Subcontractors their role on the project, and teaming history. If Prime Contractor has not worked previously with proposed Key Subcontractors, describe the proposed approach for ensuring successful completion of the project

Evaluation Criteria

Team Qualifications and Experience (continued)

- Clear description of the proposed team's Key Personnel roles and responsibilities, including Key Personnel and Key Subcontractors.
- Qualification and Experience of Key Personnel Proposed for this project
 - 8 ½" X 11" sheets, provide resumes, one per person and not to exceed 1 page, for Key Personnel for the Prime Contractor and Key Sub Contractors identified in the Org Chart with the Project Manager's resume being first

Evaluation Criteria

Quality, Reputation, and Ability to Deliver Projects on Schedule and within Budget

- *Prime Contractor On-time Completion on Similar Projects in the Past Ten Years:*
 - List and describe three (3) completed projects within the last ten (10) years of similar size, scope, and complexity. Respondents should provide references with contact information to include valid, recently verified email and telephone number of each project
 - Key Personnel must have participated in a minimum of one (1) of the three (3) projects listed. Key Personnel's role on project reference must have been the same as the role proposed for this Project

Evaluation Criteria

Quality, Reputation, and Ability to Deliver Projects on Schedule and within Budget

- *Prime Contractor On-time Completion on Similar Projects in the Past Ten Years:*
 - List all current and recently completed electrical and power system improvements, upgrades, and new construction projects for large water and/or wastewater treatment facilities performed in the last five (5) years
 - Provide a list of all projects currently under construction in which Key Personnel are involved, as identified in the organizational chart, and the expected completion date that demonstrates respondent's ability to start and complete the work required by the project

Evaluation Criteria

Quality, Reputation, and Ability to Deliver Projects on Schedule and within Budget

- *Key subcontractor(s) Performance on Similar Projects in the Past Ten (10) Years:*
 - List of two (2) projects that the identified Key PCSI Subcontractors' Project Manager and Project Superintendent participated in that were of similar size, scope, and complexity to this project and have been completed in the State of Texas within the last ten (10) years. Describe the role served by the proposed staff on those projects
 - List of two (2) projects that the identified Key Site Civil Subcontractors' Project Manager and Project Superintendent participated in that were of similar size, scope, and complexity to the work described for this project and have been completed in the State of Texas within the last ten (10) years. Describe the role served by the proposed staff on those projects

Evaluation Criteria

Quality, Reputation, and Ability to Deliver Projects on Schedule and within Budget

- *Key subcontractor(s) Performance on Similar Projects in the Past Ten (10) Years:*
 - If Prime Contractor is planning to self perform the Work in accordance with the Contract Documents and no Key Subcontractor(s) have been identified in the Response, Respondent shall provide a list of four (4) additional projects that were of similar scope of Work that would have been performed by a Key Subcontractor and that have been completed in the State of Texas within the last ten (10) years. Prime Contractor's Key Personnel shall have participated in at least one (1) of the four (4) projects listed. Describe the role served by the proposed staff on those projects

**** 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**

Evaluation Criteria

Project Approach, Schedule, and Availability

- Project Approach, please provide the following:
 - Provide narrative of the project approach describing how Respondent will complete this project **include key milestones, specific critical processes and critical path items, construction phases and/or sequencing, permits, approvals, coordination with stakeholders, and procurements anticipated to complete the project work. Identify potential risks and describe proposed mitigation measures to ensure on-time completion of the Project**
 - Explain how Respondent will contact and coordinate with key stakeholders throughout the Project
 - Describe your construction management approach and ability to coordinate work with all subcontractors and suppliers in order to meet project deadlines
 - Describe your contingency plan for addressing any unanticipated delays

Evaluation Criteria

Project Approach, Schedule, and Availability (continued)

- Provide a description of the approach specifically addressing the procurement of the following items: 13.2 kV medium voltage pad-mounted switchgear, 13.2 kV medium voltage pad-mounted transformers, 480V motor control centers (MCCs), and other long-lead time equipment and devices
- Provide any innovative ideas for cost savings (due to sequencing, method or duration)
- Provide a QMP specific to this project describing how the Prime Contractor will ensure that the necessary steps, safeguards, subcontractor oversight, QC processes, and document controls will be implemented to ensure successful completion of the project

Evaluation Criteria

Project Schedule and Unforeseen Conditions

- Provide detailed precedence style critical path method (CPM) baseline schedule in Primavera or Microsoft Project. The anticipated NTP is November 18, 2022
- Explain how Respondent will complete the project within the schedule taking into account the existing commitments
- Identify long-lead time items and critical path shop drawing submittals
- Provide details for the procurement and delivery of 13.2 kV medium voltage pad-mounted switchgear, 13.2 kV medium voltage pad-mounted transformers, 480 V motor control centers (MCCs), and other long lead item equipment and devices

Evaluation Criteria

Project Schedule and Unforeseen Conditions (continued)

- From past experiences, list and describe and previous instances in which the Contractor has encountered unforeseen conditions
 - Identify whether a recover plan was required
 - Describe the Respondent's approach towards mitigating and managing unforeseen conditions should they be encountered during the construction of this project
- Describe the Respondent's approach towards mitigating and managing unforeseen conditions should they be encountered during the construction of this Project

**** SAWS, in reviewing Respondents' proposals, is looking for Respondents that can meet all necessary milestones and complete the work within the Contract time given for completion. A Respondent's inability to meet milestones and complete the Work in the time provided may result in the Respondent's score for this criteria being reduced and/or Respondent's proposal deemed non-responsive**

Evaluation Criteria

Availability of Key Personnel and Equipment

- Describe availability of Key Personnel (Prime and Key Subcontractor(s)) that will be specifically utilized for this project
- Describe availability of equipment and facilities that will be specifically utilized for this project
- Corresponding with the org chart provided, list the available workforce for the various disciplines required for this project including the number of work crews, and number of personnel for each skill classification proposed to complete the work

Evaluation Criteria

Safety Information for Prime Contractor and Key Subcontractor(s)

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

**** Use safety matrix provided in Evaluation Forms and provide backup documentation**

Evaluation Criteria

Price & SMWVB

- Lowest total price will receive all 40 points, maximum score
 - Remaining proposals will receive points based on comparison to the lowest price proposal
- Complete Good Faith Effort Plan (reference Supplementary Instructions to Respondents) -10 points

Proposal Packet Preparation

- Electronic Proposals ONLY
- Review Project Scope, Instructions to Respondents, and Supplementary Instructions to Respondents
- Utilize the Proposal Response Checklist and Evaluation Criteria forms to ensure all items are included
 - Evaluation Criteria forms in Word on SAWS website and updated per Addendum I
- When submitting for this project note:
 - 3 files required for electronic submittal
 - Follow file naming convention on checklist

RESPONDENT'S PROPOSAL CHECKLIST

Project Name: Steven M. Clouse WRC Electrical System Improvements - Phase 2B
 SAWS Job No.: 21-6510
 SAWS Solicitation Number: CO-00547

FILE 1 TITLED: PROPOSAL_CO-00547_FIRM NAME

- General Price Proposal Items (latest version)
- Signed Price Proposal/Acknowledgement of Addendums
- Signed Proposal Certification Page (PC-1)
- Bid Bond
- Financial Statement

*If proposal is submitted electronically without Bid Bond, SAWS will require check within 24 hours of bid opening

- Cashier's Check or Certified Check

FILE 2 TITLED: ORIGINAL PROPOSAL_CO-00443_FIRM NAME

- Proposal Checklist
- Statement on President's Executive Orders
- Good Faith Effort Plan
- Conflict of Interest Questionnaire – Form CIQ (Rev. 1/1/2021)
- W-9
- Proof of Insurability (Letter from Insurer or Sample Certificate of Insurance)
- Respondent Questionnaire
- Schedule of Manufacturers and Suppliers for Major Equipment
- Supplemental Instructions to Respondents
 - Evaluation Criteria Form
 - Total Recordable Incident Rate (TRIR) (Required of Prime Contractor and Key Subcontractor(s))
 - Experience Modification Rate (EMR) (Required of Prime Contractor and Key Subcontractor(s))
 - Fatalities
 - Key Personnel Organizational Chart with Description of Roles and Responsibilities
 - Resumes (Key Personnel for Prime and Key Subcontractors)
 - Project Schedule

FILE 3 TITLED: COPY OF PROPOSAL_CO-00443_FIRM NAME

- Proposal Checklist
- Respondent Questionnaire
- Schedule of Manufacturers and Suppliers for Major Equipment
- Supplemental Instructions to Respondents
 - Evaluation Criteria Form
 - Total Recordable Incident Rate (TRIR) (Required of Prime Contractor and Key Subcontractor(s))
 - Experience Modification Rate (EMR) (Required of Prime Contractor and Key Subcontractor(s))
 - Fatalities
 - Key Personnel Organizational Chart with Description of Roles and Responsibilities
 - Resumes (Key Personnel for Prime and Key Subcontractors)
 - Project Schedule

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

Signature

Date

Rev. 3/5/2020

CH-1

Proposal Packet Preparation

- Respondent's Proposals submitted for this RFCSP should clearly demonstrate, completely and sufficiently that:
 - They have the Required Experience
 - Projects performed by Respondent are similar in scope, size and within the last ten (10) years
 - Project Team experience and qualifications (Org chart with roles and responsibilities of proposed team)
- Thoroughly review evaluation criteria and respond with all required information to maximize points
 - Detailed, thorough responses are recommended
 - Avoid “boilerplate” responses

Proposal Packet Preparation

- Double check all mathematical calculations and verify all extensions
- Addendums are acknowledged on the Price Proposal
- Ensure Mobilization/Demobilization Line Item does not exceed the percentage allowed
- References and contact information must be valid
 - Confirm phone numbers and email addresses prior to submitting a proposal
 - Project references must be project owners, not consultants, or other contractors
 - Reference responses (or lack of) may have an affect on scoring as part of the evaluation criteria

Proposal Packet Preparation

- Ensure all requested information per the Respondent Checklist and all required documents are submitted and signed (e.g., Respondent Questionnaire, CIQ, etc.)
- SAWS is offering a RFCSP Training for Prime Contractors on Thursday, August 4 at 2:00 p.m.
 - Training is recommended, but not required
 - No need to RSVP
 - Additional information can be found at the following link:
https://apps.saws.org/Business_Center/Contractsol/SNO_Drill.cfm?id=4116&View=Yes

Key Dates

- July 26, 2022, at 1:00 PM
- July 28, 2022 at 4:00 PM
- August 2 & 4, 2022
- August 5, by 4:00 PM
- August 15, by 2:00 PM
- August 22, 2022, by 2:00 PM
- August 23, 2022, by 2:00 PM
- September 2022
- Sept/Oct 2022
- November 1, 2022
- November 18, 2022

Non-Mandatory Pre-Proposal Meeting

Deadline to sign up for site visit

Non-Mandatory Site Visits (By appt. only)

Questions Due

Addendum Posted to SAWS Website

Last chance to request FTP Site

Proposals Due

Proposals Evaluated

Negotiations, if any

SAWS Board Approval and Award

NTP Issued

Communication Reminders

- There shall not be any communication with the following during the Proposal period:
 - ✓ SAWS Project Manager or Project Engineer
 - ✓ Any other SAWS staff
 - ✓ City Council member or staff
 - ✓ SAWS Board of Trustees
- This includes phone calls, emails, letters, or any direct or indirect discussion of the Proposal

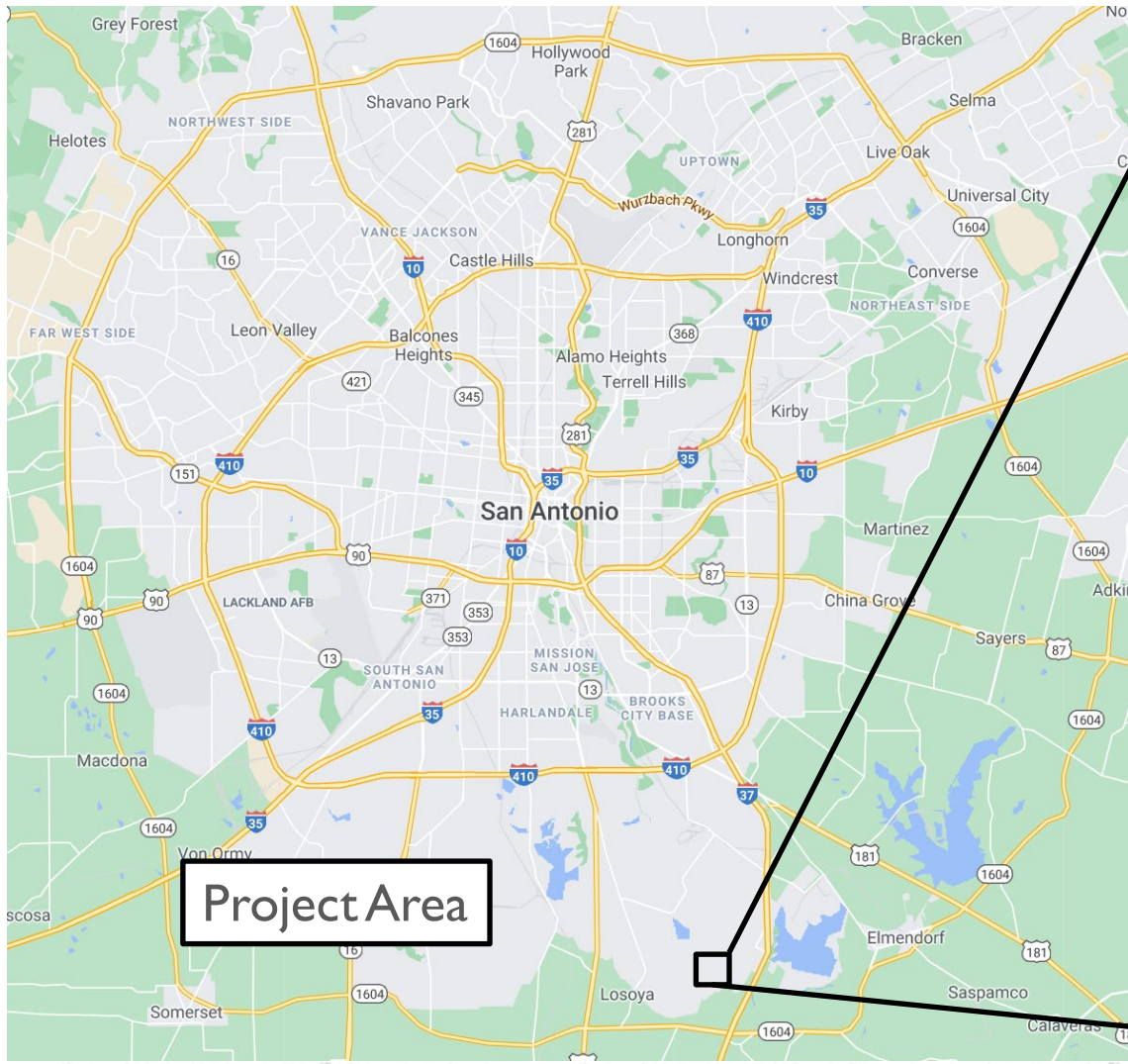
Proposal Due Date

- Proposals are due no later than **2:00 PM CDT August 23, 2022**
- **Electronic Proposals Only**
- Follow specific electronic proposal delivery instructions:
 - Request the FTP Site for Upload no later than August 22, 2022, at 2:00 PM
 - Follow naming convention provided in the Respondent Proposal Checklist for all 3 files
 - Late responses will not be accepted and will be not be opened
 - A WebEx proposal opening meeting will be held August 23, 2022, at 2:00 PM

Contact Information

Contact Name	Title	Telephone Number	Email address
Roxanne Lockhart	Contract Administrator	210-233-3095	Roxanne.Lockhart@saws.org
Marisol V. Robles	SMWVB Program Manager	210-233-3420	Marisol.Robles@saws.org

Project Overview - Map



Project Overview

Scope

- Replace 480 V MCCs
- New medium voltage feeders and transformers
- Replace Emerson controllers and RIOs with PLC equipment
- New fiber network infrastructure
 - Server equipment
 - Operator Workstations
 - Network switches, patch panels, and other equipment
- All new equipment installed in new climate-controlled buildings

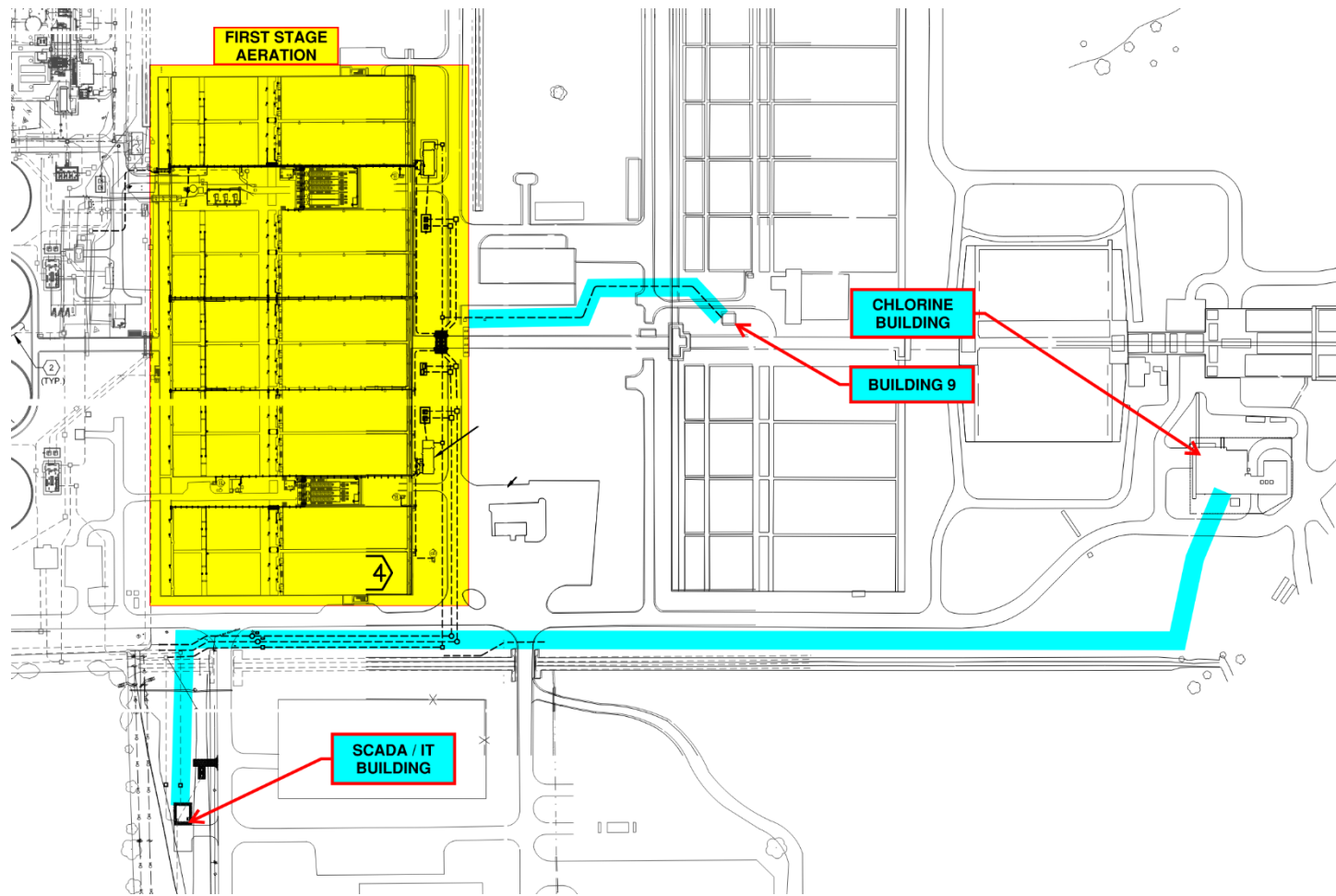
Project Overview

Drawing Arrangement

- 00xxx Series: Overall
 - Symbols, Legends, Notes, Schedules
 - Site Plans
 - 13.2 kV System One-Line Diagrams
 - 13.2 kV System and Fiber Plan Drawings & Sections
 - Standard Details
 - Overall Fiber Architecture and Riser Diagrams
 - Existing Buildings
 - Switchgear building
 - Generators
 - Buildings 6, 9, Chlorine
- 20xx Series: First Stage Aeration

Project Overview

Project Area



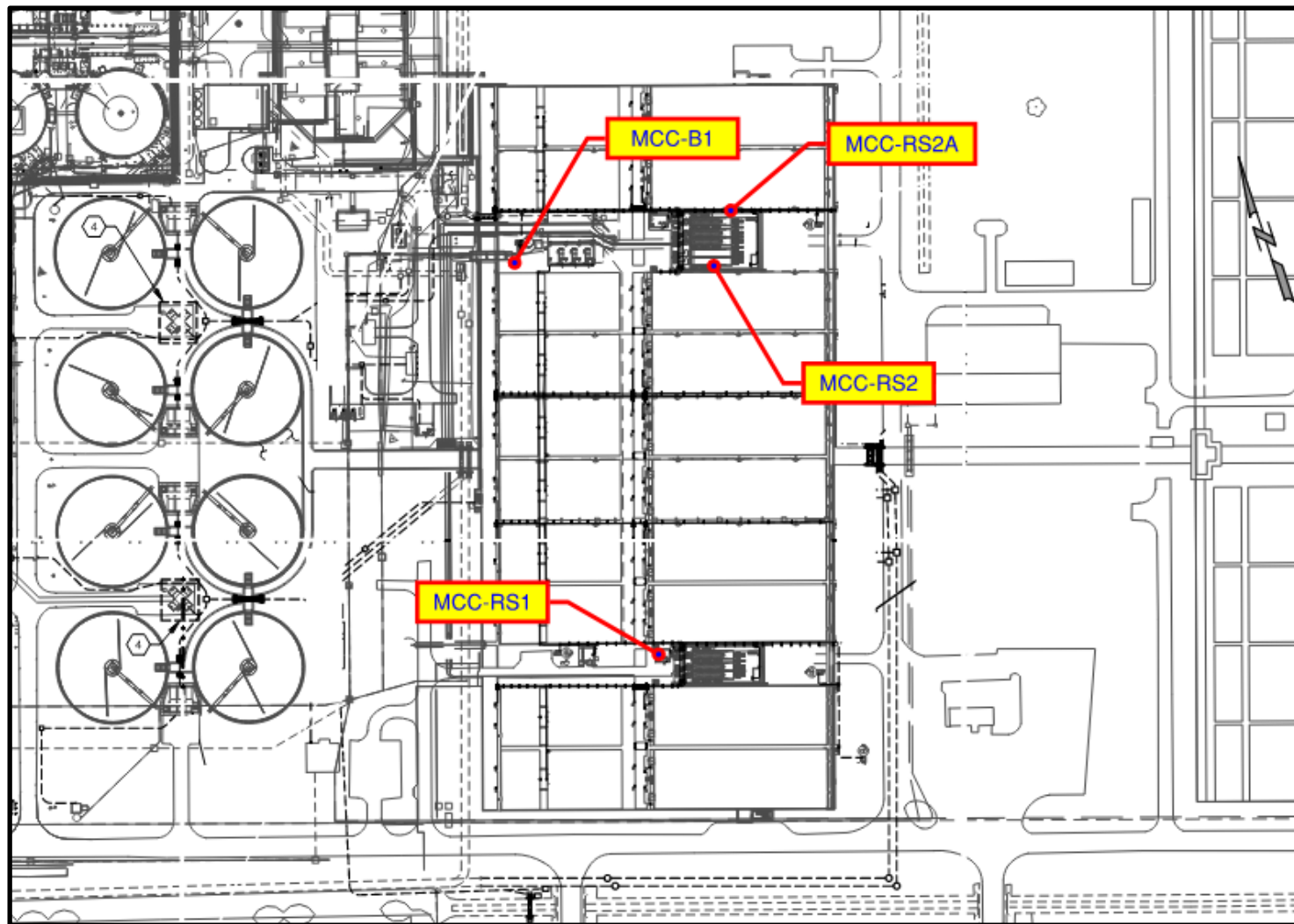
Project Overview

MCCs

- Replace 480 V MCCs
 - South RAS Pump Station (MCC-RS1)
 - North RAS Pump Station (MCC-RS2, MCC-RS2A)
 - Clarifier Effluent Channel (MCC-BI)
 - Loads to be fed from new MCCs at new electrical building

Project Overview

Replace 480 V MCCs



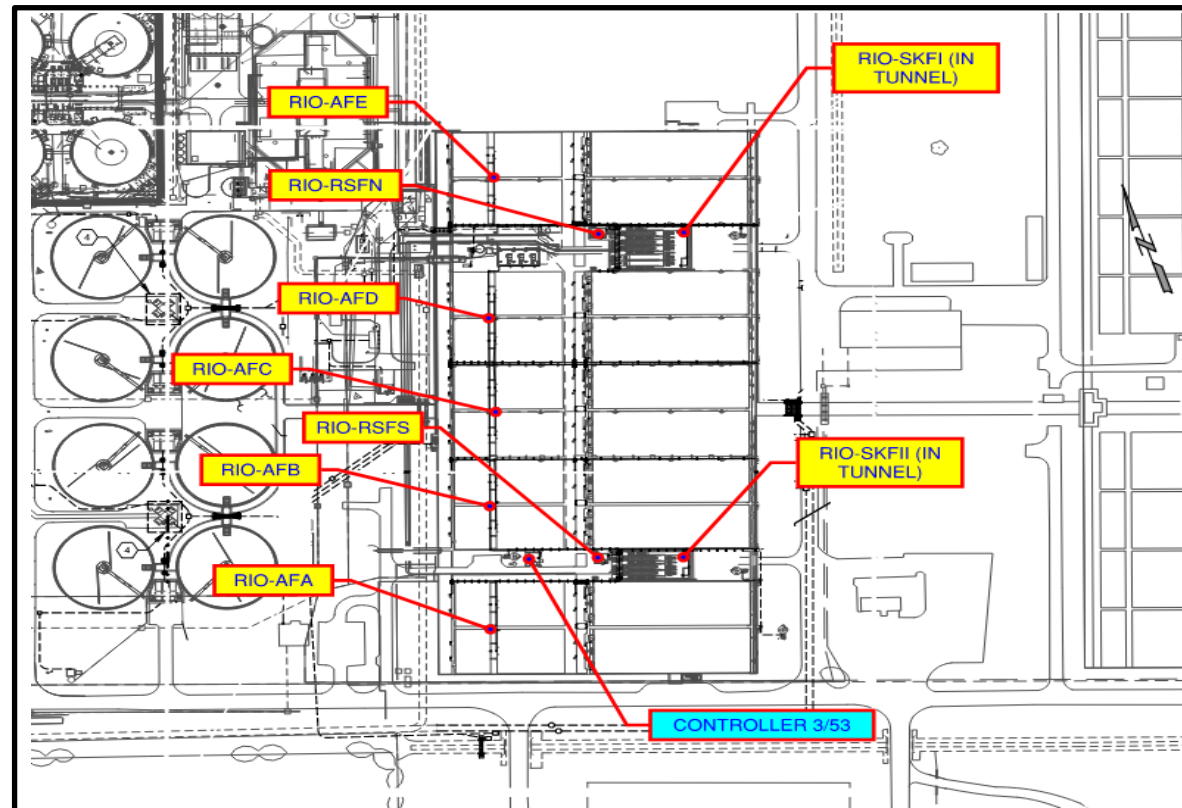
Project Overview

Control System

- Replace Emerson Controllers and RIOs with PLC equipment
 - Controller 3/53
 - RIOs
 - Basins RIO-AFA, RIO-AFB, RIO-AFC, RIO-AFD, AFE
 - EAS Pump Stations RIO-RSFS, RIO-RSFN
 - Tunnel RIO-SKFI, RIO-SKFII

Project Overview

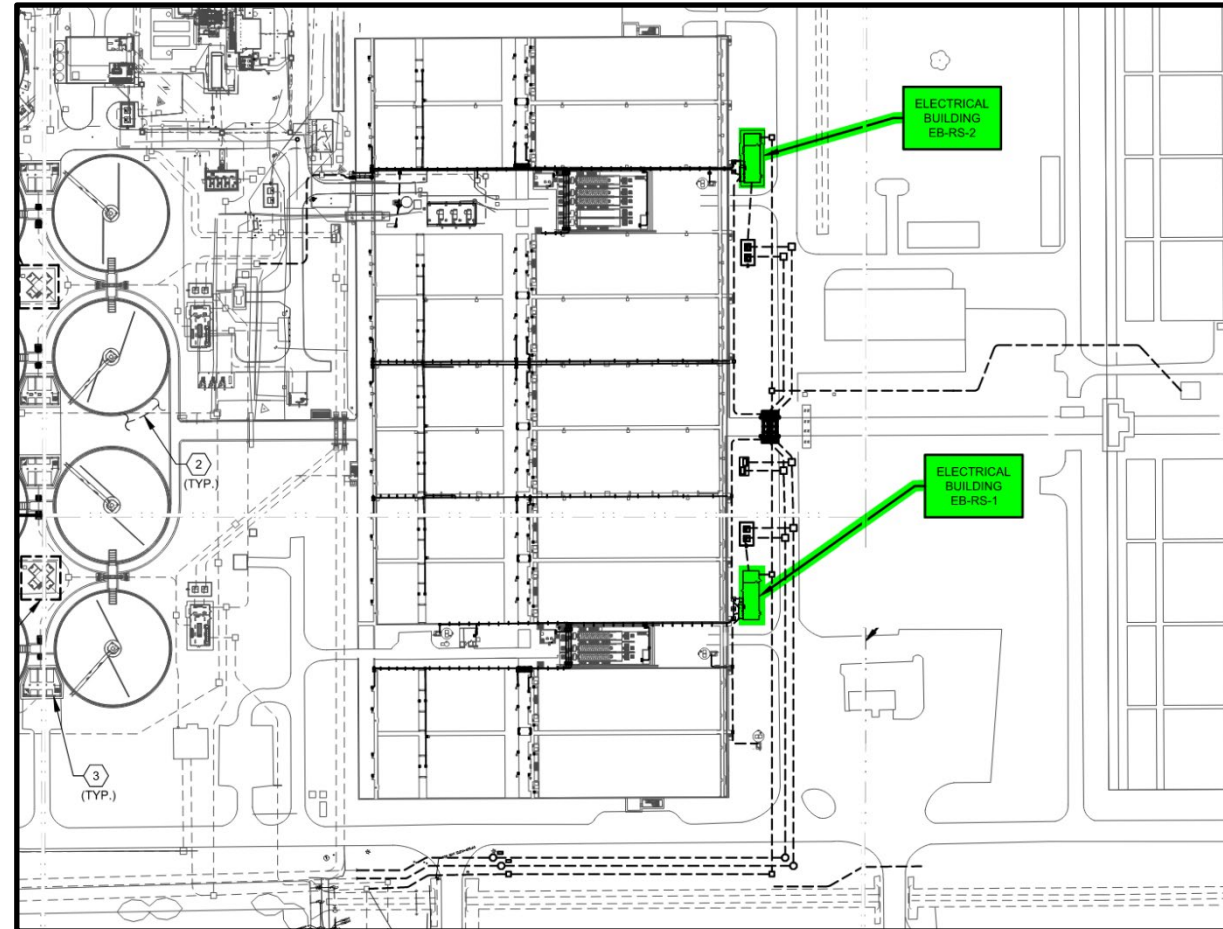
Replace Emerson Controllers and RIOs with PLC equipment



Project Overview

All new equipment to be installed in new climate-controlled buildings

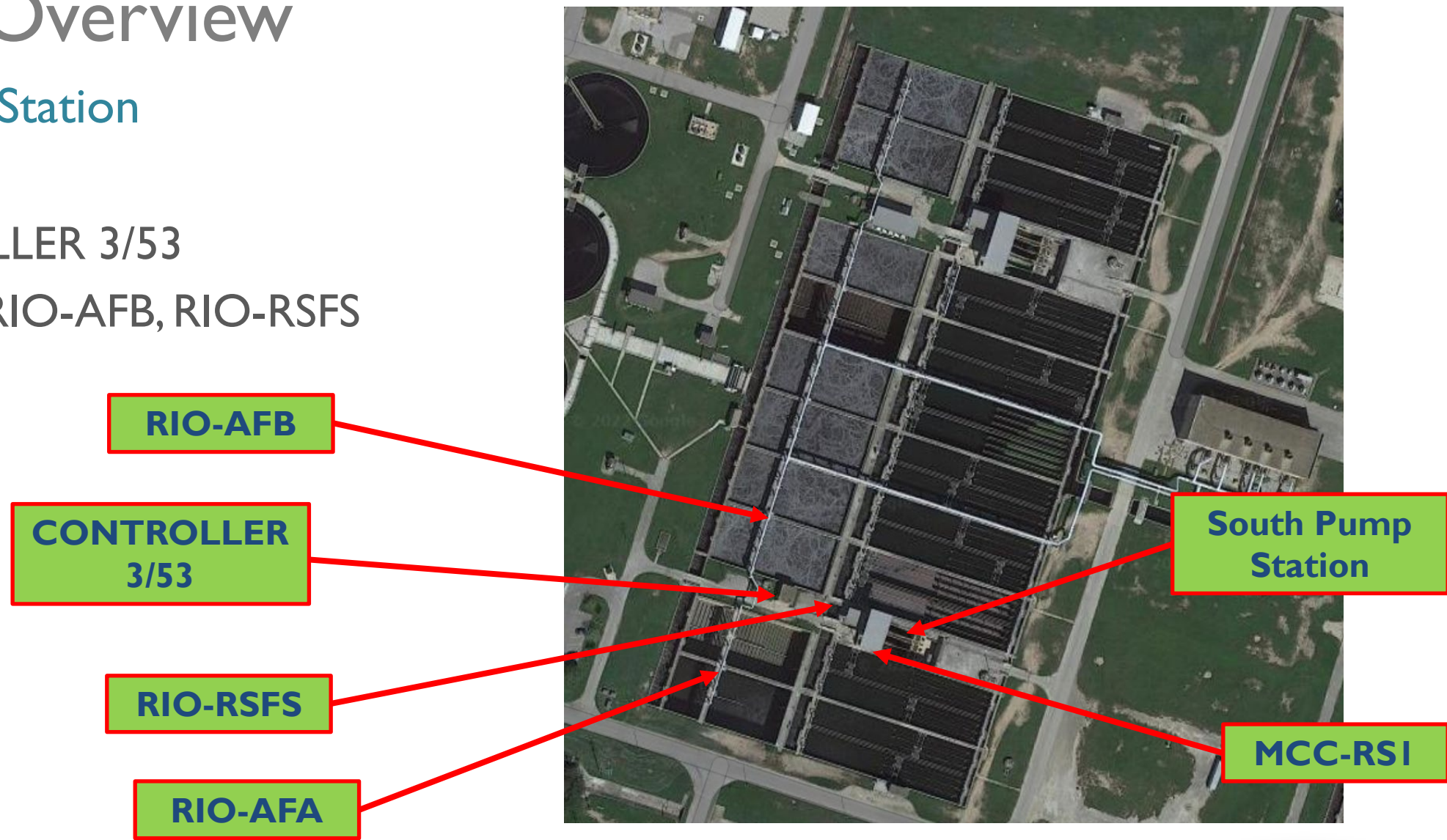
- First Stage Aeration
 - EB-RS1
 - EB-RS2



Project Overview

South Pump Station

- MCC-RSI
- CONTROLLER 3/53
- RIO-AFA, RIO-AFB, RIO-RSFS



Project Overview

South Pump Station



Project Overview

MCC-RSI



Project Overview

EAS Pump Station

RIO-RSFS



Project Overview

RIO-AFA (Typical for all RIO-AF*)



Project Overview

Building 6

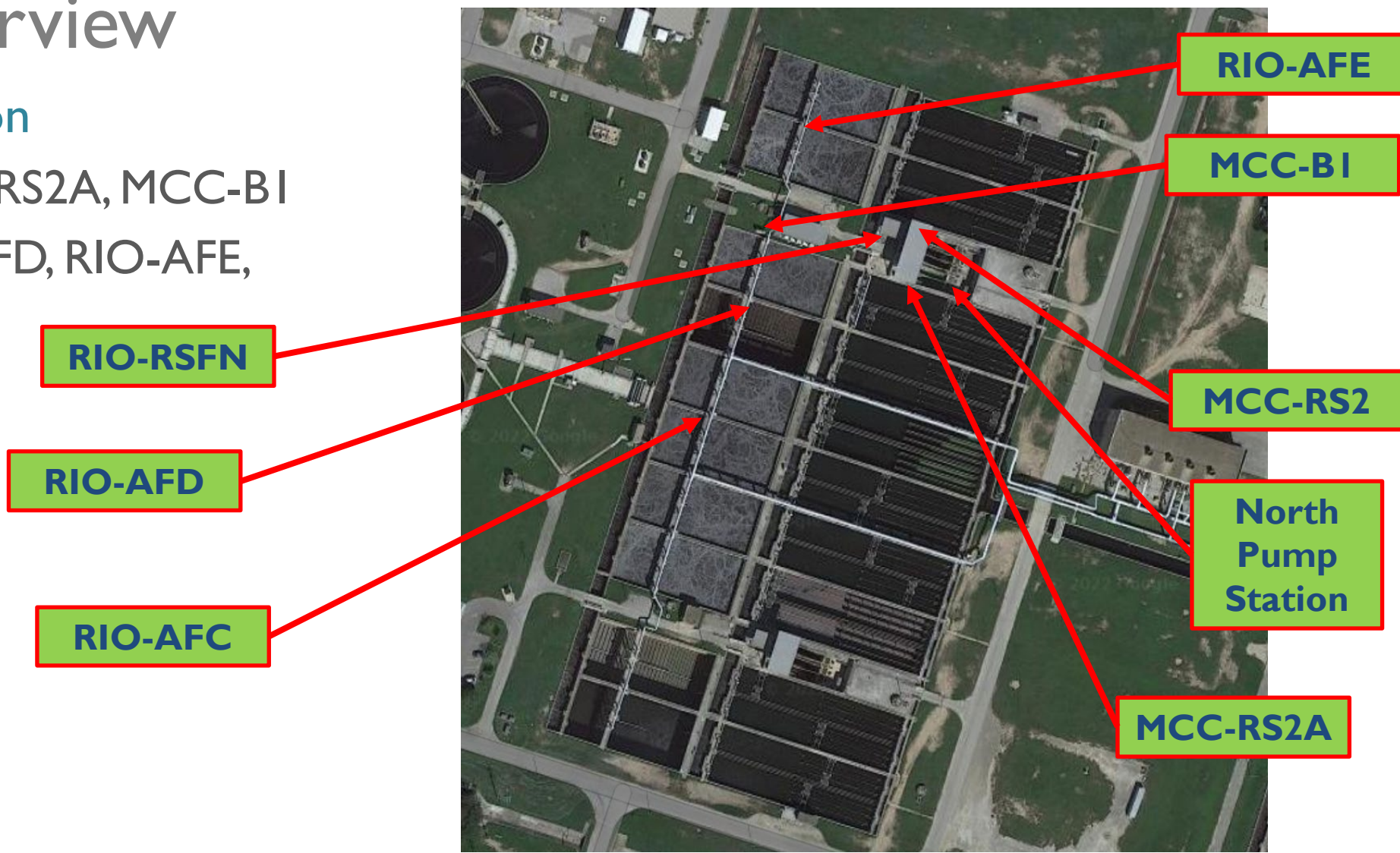
Controller 3/53



Project Overview

North Pump Station

- MCC-RS2, MCC-RS2A, MCC-BI
- RIO-AFC, RIO-AFD, RIO-AFE, RIO-RSFS



Project Overview

MCC-RS2, MCC-RS2A



Project Overview

MCC-BI



Project Overview

EAS Pump Station

RIO-RSFN



Project Overview

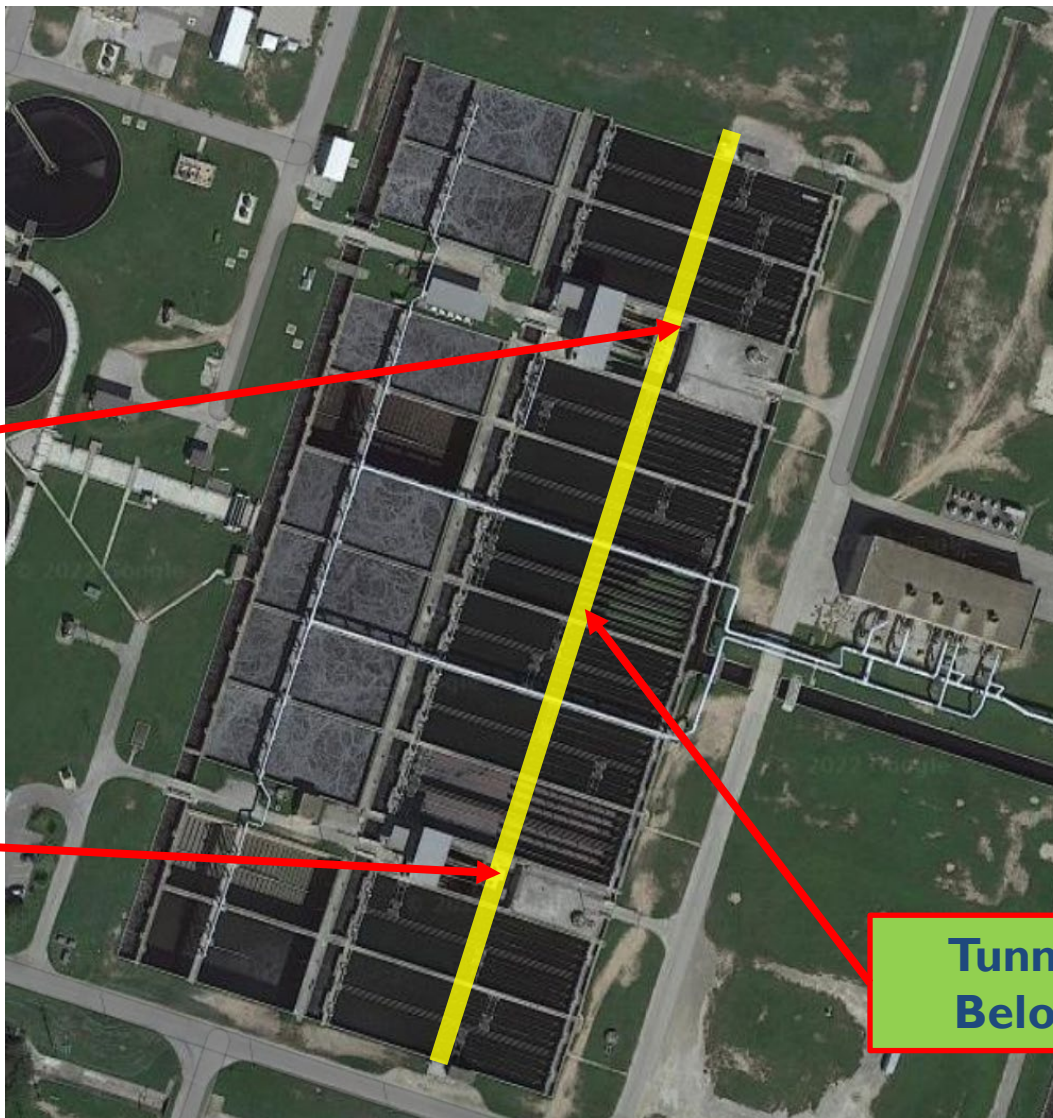
Tunnel

- RIO-SKFI, RIO-SKFII

RIO-SKFI

RIO-SKFII

Tunnel Below



Project Overview

RIO-SKFI, RIO-SKFII



Project Overview

Demo Substations

- Sub 1
- Sub 2

SUB 2

SUB 1



Project Overview

SUB I



Project Overview

SUB 2



Contract Background

External Agency Permit Requirements (City of San Antonio, etc.)

- Contractor to follow requirements identified in corresponding permits or agreements
- Changes in field that are cited by the Agency's Inspector will require concurrence and approval from the SAWWS Inspector first
- If contractor would like to work weekends or extended hours, notification is required 48 hours in advance to SAWWS Construction and Inspections. Requests should be sent to:
constworkreq@saws.org

Contract Background

- All RFIs, RFPs, submittals, invoicing, and any other items related to construction must be uploaded and processed via CPMS
- No work can be performed by the Contractor unless the cost for that line item is on the contract
- Change orders, if any, will be based on negotiated prices if items are not in the price proposal
 - Negotiated using RS Means

Contract Background

Special Conditions

- Phasing and sequencing is very important for this project – the electrical improvements and control improvements must proceed together; no electrical modifications can be done until the controls are implemented
- Sequencing must include coordination with other construction projects

SC3. Construction Phasing and Sequencing: The contractor may follow the proposed construction sequencing in the Contract Documents. The contractor shall submit an alternative sequence of construction (if different than proposed) in writing to the owner's Construction Inspector/engineer for approval. If approved, the contractor shall provide the construction schedule for the approved sequencing prior to construction. It is the contractor's responsibility to provide sufficient work force, materials, and equipment to complete the work in accordance with the Contract duration.

Contract Background

Special Conditions

- Geotechnical data report is available for review and is posted on SAWS website for download upon completion of a disclaimer form
- Coordination with On-Site Personnel
- Power System Study
- Once selected the Contractor may submit any submittals and shop drawings for critical equipment and materials for review prior to NTP but not prior to Board award. Long lead items to be submitted within 30 days of NTP

Contract Background

Allowances

- Subsurface Utility Investigation – Hydro-Vac excavate all sides of all underground construction before any digging
- Subsurface Utility Relocation – Covers unforeseen underground obstacles only. Any identified underground relocation work to be included in contract
- Permitting – All applications have been submitted. Contractor to pick up and pay for City of San Antonio permits

Additional Special Considerations

Coordination with Concurrent Construction Projects

- Project 21-6507 contractor will be building Scada/IT Building and providing top-end HMI system
- Project 21-6507 contractor will be not responsible for the top-end HMI programming of project 21-6510
- Construction and commissioning to be coordinated with project 21-6507 contractor
- Project 21-6510 contractor will perform work inside of Scada/IT building
- Coordinate project schedule after proposal award
- Refer to the Contract Documents for additional requirements

Additional Special Considerations

Special Inspections - Specification Section 01416

SECTION 01416
CODE REQUIRED SPECIAL INSPECTIONS AND PROCEDURES
PART 1 – GENERAL
1.01 DESCRIPTION
A. Scope:
1. CONTRACTOR shall provide all labor, materials, tools, equipment, and incidentals as shown, specified, and required to cooperate with the Registered Design Professional in Responsible Charge (RDPIRC), individual special inspectors, and testing agencies employed by OWNER, to facilitate special inspections.

- Special inspections are required by building code; contracted and paid for by SAWWS, apart from the construction contract
- These inspections are in addition to the quality inspections performed and provided by the Contractor
- Do not take the place of any of the Contractor's inspection or testing activities
- Contractor must become familiar with the portions of the work that require special inspection, and must notify SAWWS prior to completing such work

QUESTIONS?

Reminder: Oral statements or discussion during the pre-proposal meeting today will not be binding, nor will it change or affect the terms or conditions within the Plans and Specifications of this Project. Changes, if any, will be addressed in writing only via an Addendum.

Steven M. Clouse WRC Electrical System Improvements – Phase 2B

Edward Hayes, P.E.

Project Engineer, Plants and Major Projects

Roxanne Lockhart

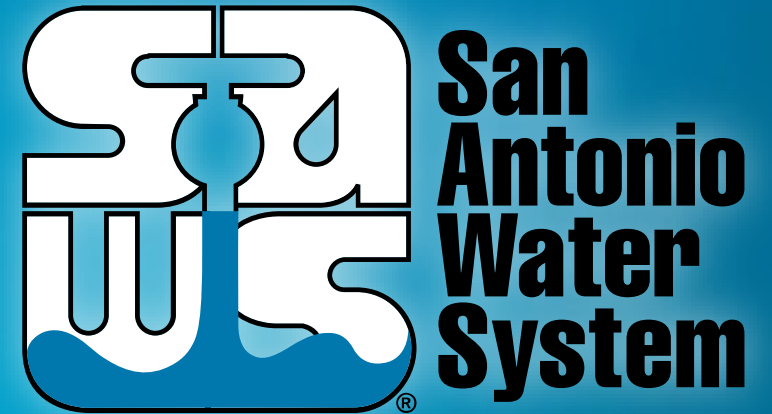
Contract Administrator

Marisol Robles

SMWVB Program Manager

Bill Sako, P. E.

Gupta and Associates, Engineer of Record



Non-Mandatory Pre-Proposal Meeting

July 26, 2022

MAKING SAN ANTONIO
WATERFUL 