2021 Sanitary Sewer Overflow and Reduction Program (SSORP) Engineering Design Services Package 1

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San Antonio Water System

Non-Mandatory Pre-Submittal Meeting

September 8, 2021

MAKING SAN ANTONIO WATERFUL

Oral Statements

Oral statements or discussion during this 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.

Presentation Overview

- Objective
- Requirements
- Selection Process
- Evaluation Criteria
- SMWB
- Submission Reminders
- Key Dates
- Submittal Deadline
- Negotiations
- Communication Reminders
- Project Matrix
- Project Charters
- Technical Information
- Key Considerations
- Questions

Objective

- Provide professional engineering design services, as well as all associated engineering services necessary to advance sanitary sewer overflow and reduction program projects (SSORP)
  - Includes both bid and construction phase services
- The projects included in this RFQ represent Condition Project Packages required to meet Consent Decree (CD) requirements
- SAWS anticipates awarding seven (7) Capacity, Management, Operations, and Maintenance (CMOM) program packages and one (1) Unspecified Pipelines Condition Improvement Engineering Services Contract

Requirements

- Will perform all project-related functions utilizing Contract and Project Management System (CPMS)
  - Including adhering to specified service levels for processing change orders, RFIs, RFPs, and scratch sheets
- Familiar with the consent decree
  - Certain actions to rehabilitate the wastewater collection system to reduce SSOs
- Meet all milestones and adhere to the project schedule as published

Selection Process

- SOQs reviewed for responsiveness
- Technical Evaluation Committee scores qualification statements based on evaluation criteria published in the RFQ
- Interviews held, if necessary
- Selection Committee reviews scores and recommends firms
- Good Faith Effort Plan will be evaluated and scored
- Negotiation with selected consultants
- Board Award

Selection Process – Recent Additions to RFQ

- If there is a change to key team members (prime or sub-consultant) identified on Respondent's organizational chart, notify SAWS in writing as soon as possible
  - SAWS may allow Respondent to replace the key team member with an alternate member who possesses equal or better qualifications and experience
- Also, per SAWS' Ethics Policy, a former SAWS employee may not serve in a lead role as a key team member and/or participate in the negotiation of a contract for two (2) years after separating from SAWS.
  - This may result in the Respondent's proposal being found non-responsive or a reduction in points during the evaluation

Evaluation Criteria

CRITERIA	MAX POINTS
Team Experience and Qualifications	20
Similar Projects and Project Performance	25
Project Approach	30
Quality Management/Quality Control Plan	10
Small, Minority, and Woman-owned (SMWB) Business Participation	15
Total	**100**

Evaluation Criteria – Team Experience and Qualifications (20 points)

1) Organizational Chart – Page Limit 1
   - All key team members (including key sub-consultants)
     - Project Manager, Cost Estimator, Quality Assurance and Quality Control Review Lead and Technical Reviewers, and all Design Team Leads required
   - Role and percentage of time each key team member will be committed
     - Ensure sub-consultants match those listed on the Good Faith Effort Plan
2) Resumes for Key Personnel Only (including key sub-consultants if necessary) – Page Limit 8
   - Project Manager, Cost Estimator, Quality Assurance and Quality Control Review Lead and Reviewer, and Design Team Leads (no more than 3 Design Team Leads)
     - Resumes should not include exhaustive list of projects, but rather projects with as similar as the scope of services in the RFQ and their role in that project
3) Describe the prime firm's and sub-consultants' most relevant experience using Subconsultant Table

No additional narrative required

Evaluation Criteria – Similar Projects and Past Performance (25 points)

1) Complete Project Table: Identify 5 Relevant Projects, of Similar Size and Scope to the Scope of Services and Additional Requirements identified in the RFQ that were completed within the last five (5) years. (5 page limit)
   - Similar projects are considered wastewater/ SSO projects of similar scope, pipe diameter and contract value
   - Identify key personnel and their roles and responsibilities for at least 3 of the 5 projects
   - A minimum of 3 projects must be performed by Respondent
   - Ensure contact information for references is correct and valid
2) Complete OPCC Table
   - 5 Relevant Projects and 3 additional projects, as it relates to the accuracy of OPCC and change orders; projects should be completed

No additional narrative required

Evaluation Criteria – Project Approach (30 points)

- This criteria is weighted the heaviest
- Narrative format limited to a 6-page response for 3 questions to include:
  1) Describe team's approach to complete the project managing risk between design related issues, coordination with agencies, constructability, schedule, and budget
  2) Identify team's suggested alternative innovative approaches to accomplishing the scope of services identified
  3) Describe team's approach to preparing deliverables to meet deadlines
     - Include schedule risks and mitigation measures, schedule recovery approach and other issues relative to schedule maintenance on similar projects

Evaluation Criteria – Quality Management/Quality Control Plan (10 points)

- Narrative format limited to 2 pages
- Includes:
  - Overview of the QCP process and schedule
  - Plan identifying, tracking and resolving design issues
  - Describe how independent quality review team will confirm documents
  - Role compared to SAWS' role
  - Approach to becoming familiar with local construction practices and requirements
  - Outline how accuracy and completeness of independent cost estimates are derived for each phase of design

Small, Minority, and Woman-owned Business (SMWB) Participation

- M/WBE Scoring Method: **Up to 15 Points (By percentage) 40.00% M/WBE Goal**
  - M/WBE Participation Percentage between 1% and 9.99%: **2 Points**
  - M/WBE Participation Percentage between 10% and 19.99%: **4 Points**
  - M/WBE Participation Percentage between 20% and 29.99%: **6 Points**
  - M/WBE Participation Percentage between 30% and 39.99%: **8 Points**
  - M/WBE Participation Percentage meeting or exceeding 40.00%: **10 Points**

- Utilization of a local SMWB Engineering Firm, that has not worked with SAWS as a prime consultant in the past five years, for 10% of Sewer Design Services: **5 Points**

Small, Minority, and Woman-owned Business (SMWB) Participation

- 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.

- All firms listed in the organizational chart must also be listed in the Good Faith Effort Plan.

- SMWVB-certified firms need to have a local-area office, must be "SBE" (including MBEs and WBEs), and need to be certified through the SCTRCA or Texas HUB.

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

Marisol V. Robles

SMWVB Program Manager

Contracting Department

Email: Marisol.Robles@saws.org

Submission Requirements

- Submit electronic copies only
- File size limitation is 10 MB and no more than 17 pages
  - Reference the RFQ regarding required items that don't count toward the page limitation
- Must submit using Evaluation Criteria Forms
- Use 8 ½ x 11 portrait format
- Thoroughly read the RFQ to become familiar with scope
- Ensure referenced provided are valid and accessible
- Be specific and avoid "boiler plate" responses where narrative is requested
- Utilize the Submittal Response Checklist

Submission Requirements

- Similar Projects submitted should be of similar size and scope to the Scope of Services & Additional Requirements identified within this RFQ.
  - Projects should be completed
  - Key staff on the org chart should ideally have worked on the example projects submitted
- Contact the SMWVB Program Manager for assistance, if necessary
- Perform QA/QC on proposal prior to submitting and reference SAWS Solicitation Submittal Type found at the following link:

https://apps.saws.org/business_center/ContractSol/SNO_Drill.cfm?id=1980&View=Yes

Key Dates

Date	Action
RFQ Released	August 26, 2021
Written Questions Due	September 15, 2021 by 10:00 a.m.
Q & A Posted to Website	September 22, 2021 by 10:00 a.m.
Proposals Due	September 29 2021 by 2:00 p.m.
Proposals Evaluated	September – November 2021
Interviews, if necessary	November 2021
Negotiations	November – December 2021
SAWS Board Consideration and Award	February 2022
Start Work	February 2022

**The dates listed above are subject to change without notice*

Submittal Deadline

- **Electronic submittals only**, refer to solicitation on where to e-mail your submissions.
- Allow sufficient time to upload submittal ahead of the deadline to allow for any technical difficulties
- Solicitation number, solicitation name, date and time of the deadline should be clearly identified on the electronic file and email.
- Late responses will not be accepted and will not be opened

Communication Reminders

- There should not be any communication regarding this solicitation 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
- This includes phone calls, emails, letters, or any direct or indirect discussion of the RFQ
- This is in place from release of the RFQ to Board Award

Questions

- Must be submitted in writing by September 15, 2021 by 10:00 A.M. via e-mail to:

Lindsay Esquivel

Contract Administration Department

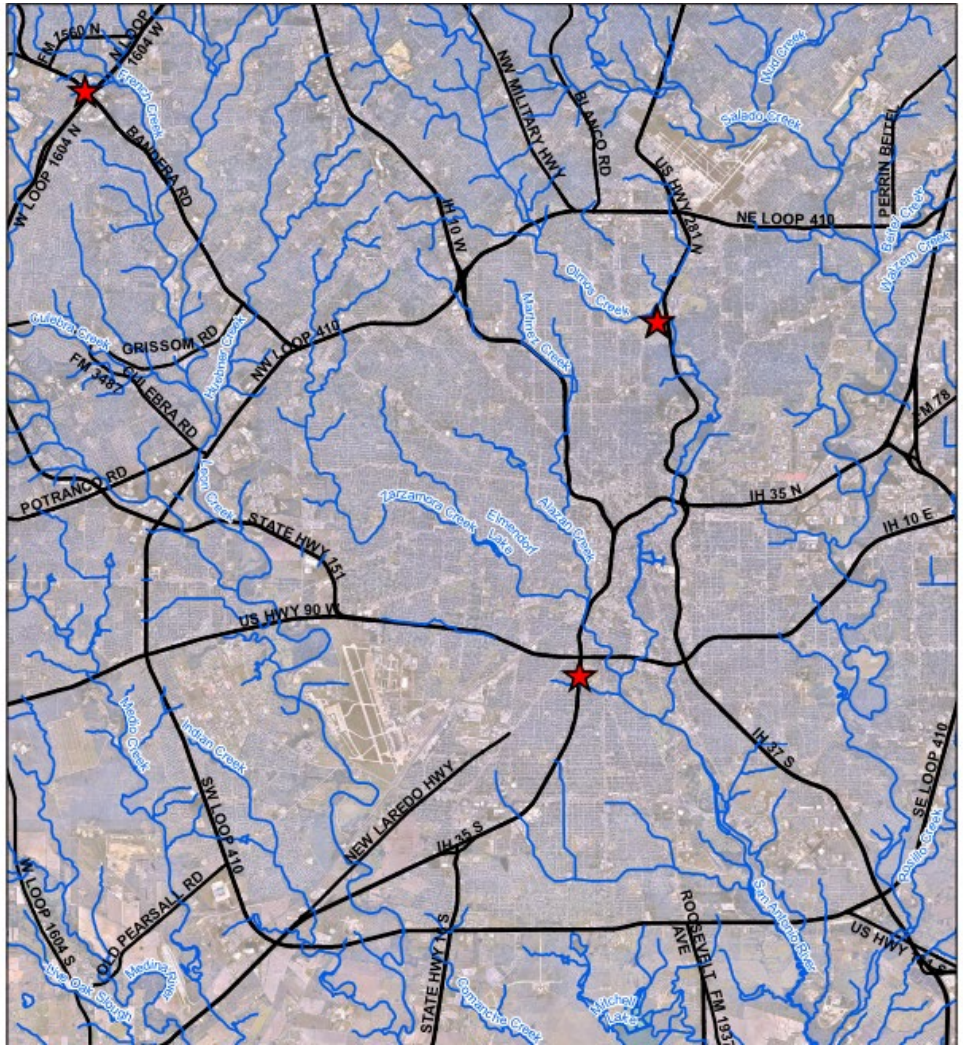
San Antonio Water System

Lindsay.Esquivel@saws.org

Project Matrix

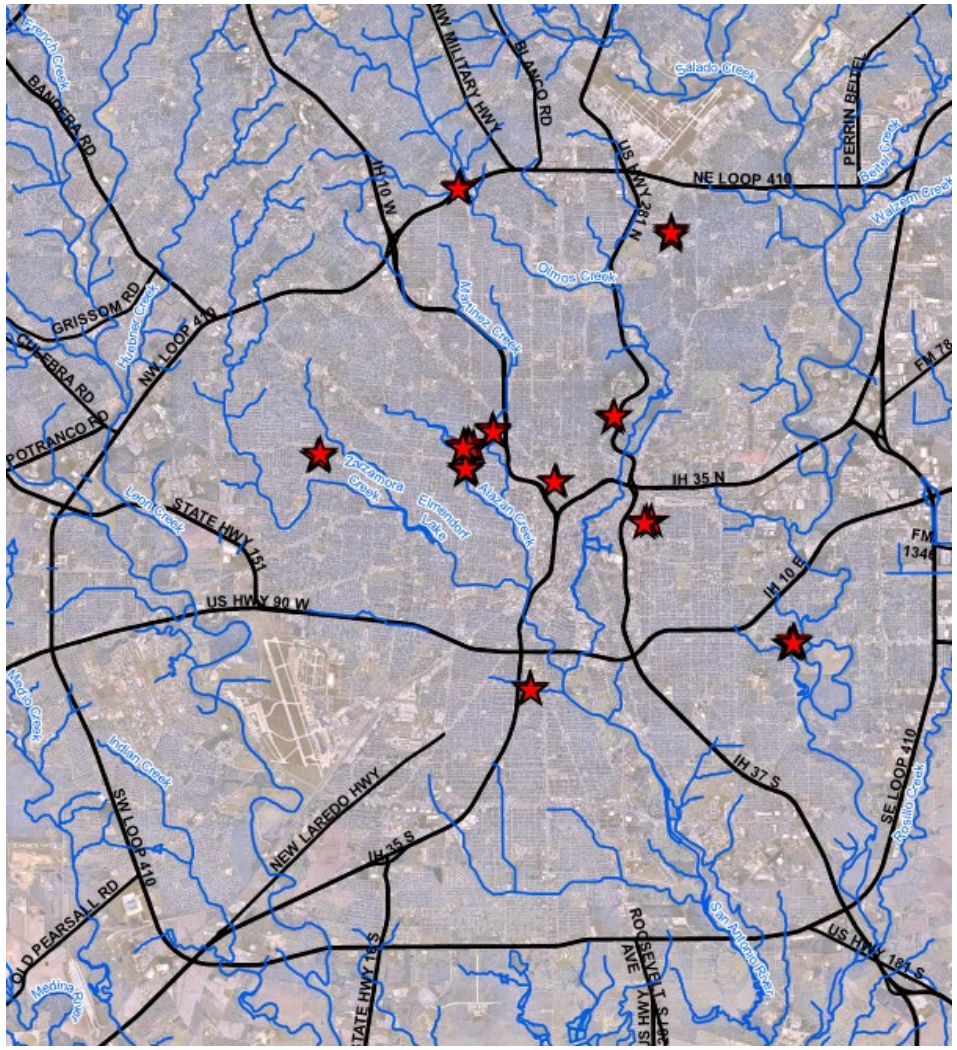
Project Name	2021 CMOM Package 1	2021 CMOM Package 2	2021 CMOM Package 3	2021 CMOM Package 4	2021 CMOM Package 5	2021 CMOM Package 6	2021 CMOM Package 7	2021 Pipelines Condition Improvements Engineering Services
Project ID	Pro - 11728	Pro - 11729	Pro - 11730	Pro - 11731	Pro - 11732	Pro - 11733	Pro - 11734	Pro - 11741
Design Schedule	February 2022 - January 2023	February 2022 - February 2023	February 2022 - June 2023	Februaruy 2022 - November 2022	February 2022 - April 2023	February 2022 - April 2023	February 2022 - June 2023	February 2022 - June 2023
Est. Construction Cost	$ 1,040,700.00	$ 4,000,100.00	$ 10,123,100.00	$ 5,885,100.00	$ 4,583,800.00	$ 4,648,800.00	$ 4,830,800.00	$ 2,500,000.00
6"-21" diameter pipe	X	X	X		X	X	X	X
24" + diameter pipe		X	X	X				X
Description	This project will replace approximately 164 feet of 8-inch pipe, 184 feet of 15-inch pipe, and 115 feet of 21-inch pipe via Jack Bore and Tunnel. This project will replace approximately 170 feet of 21-inch pipe via Pipe Burst. 4 pipe segments have been identified in this package and are located throughout the city. Jack Bore and Tunnel and Pipe Burst are the suggested remedial methods due to pipe condition, location, and size.	This project will rehabilitate approximately 1,755 feet of 8-inch pipe, 680 feet of 12-inch pipe, 466 feet of 15-inch pipe, 368 feet of 18 inch pipe, 393 feet of 21-inch pipe, 111 feet of 24-inch pipe, 360 feet of 27-inch pipe, 431 feet of 30-inch pipe, and 24 feet of 36-inch pipe via CIPP. This project will replace approximately 942 feet of 8-inch pipe and 230 feet of 12-inch pipe via Pipe Burst. This project will replace approximately 1,958 feet of 8-inch pipe, 826 feet of 10-inch pipe, 101 feet of 12-inch pipe, 31 feet of 21-inch pipe, and 393 feet of 24-inch pipe via Open Cut. This project will replace approximately 425 feet of 10-inch pipe, and 290 feet of 15-inch pipe via Open Cut Reroute. This project will abandon approximately 398 feet of 8-inch pipe. 41 pipe segments have been identified in this package and are located in the Central Sewershed. CIPP, Pipe Burst, Open Cut, Open Cut Reroute, and Abandonment are the suggested remedial methods due to pipe condition, location, and size.	This project will rehabilitate approximately 860 feet of 12-inch pipe, 4,317 feet of 24-inch pipe, 1,152 feet of 27-inch pipe, 702 feet of 30-inch pipe, 891 feet of 33-inch pipe, 777 feet of 36-inch pipe, 264 feet of 42-inch pipe, 4,949 feet of 48-inch pipe, and 41 feet of 54-inch pipe via CIPP. 36 pipe segments have been identified on this package and are located throughout the city. CIPP is the suggested remedial method due to pipe condition, location, and size.	This project will rehabilitate approximately 2,045 feet of 24-inch pipe, 1,041 feet of 30-inch pipe, and 2,987 feet of 72-inch pipe via CIPP. 9 pipe segments have been identified on this package and are located throughout the city. CIPP is the suggested remedial method due to pipe condition, location, and size.	This project will replace approximately 2,289 feet of 6-inch pipe, 4,517 feet of 8-inch pipe, and 472 feet of 10-inch pipe via Open Cut. This project will replace approximately 6,862 feet of 8-inch pipe, 1,285 feet of 10-inch pipe, and 67 feet of 24-inch pipe via Pipe Burst. This project will replace approximately 797 feet of 6-inch pipe, 333 feet of 8-inch pipe, and 147 feet of 10-inch pipe, and via Open Cut Reroute. 53 pipe segments have been identified on this package and are located throughout the city. Open Cut, Pipe Burst, and Open Cut Reroute are the suggested remedial methods due to pipe condition, location, and size.	This project will replace approximately 21 feet of 6-inch pipe, 5,269 feet of 8-inch pipe, 430 feet of 10-inch pipe, 215 feet of 12-inch pipe, 128 feet of 15-inch pipe, and 401 feet of 18-inch pipe via Open Cut. This project will replace approximately 4,898 feet of 8-inch pipe, 350 feet of 10-inch pipe, and 1,374 feet of 12-inch pipe via Pipe Burst. This project will replace approximately 817 feet of 8-inch pipe via Open Cut Reroute. This project will abandon approximately 567 feet of 8-inch pipe. 52 pipe segments have been identified on this package and are located throughout the city. Open Cut, Pipe Burst, Open Cut Reroute, and Abandonment are the suggested remedial methods due to pipe condition, location, and size.	This project will rehabilitate approximately 566 feet of 6-inch pipe, 16,153 feet of 8-inch pipe,1,065 feet of 10-inch pipe, 398 feet of 12-inch pipe, 2,502 feet of 15-inch pipe, and 596 feet of 21-inch pipe via CIPP. 70 pipe segments have been identified on this package and are located throughout the city. CIPP is the suggested remedial method due to pipe condition, location, size.	The scope will include the rehabilitation and replacement of small and large diameter wastewater facilities for unspecified projects which will require a Scope of Services to be performed by a qualified consultant(s) or consulting firm(s) on a work order basis. Respondents should have familiarity working on SAWS Sanitary Sewer Overflow Reduction Program (SSORP) projects.

2021 CMOM Package 1



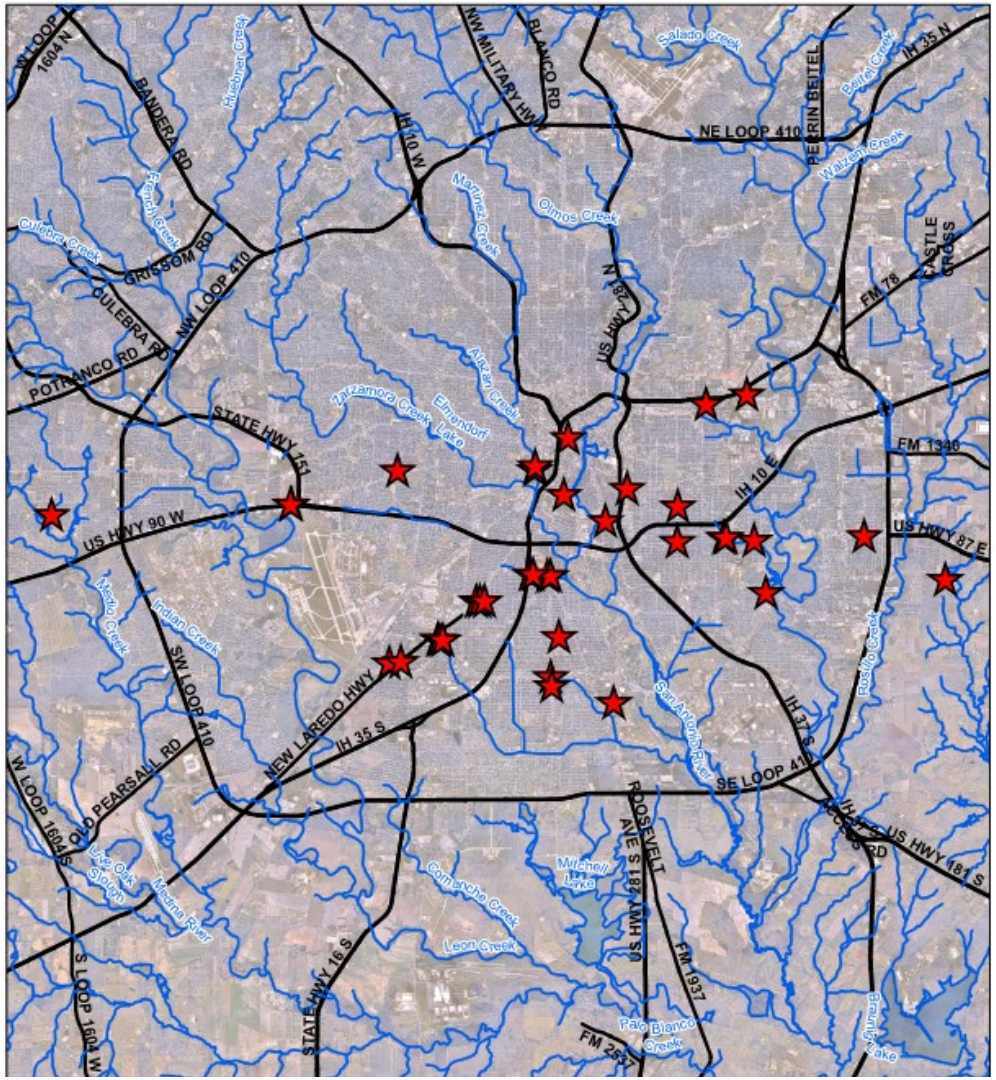
- Location:
  - 3 Project Sites Located Throughout the City
- Pipe Diameter:
  - 8-inch thru 21-inch
- Project Length:
  - Approximately 633 feet
- Rehab Method:
  - Jack Bore & Tunnel and Pipe Burst
- Approximate Construction Cost:
  - Estimated $1,040,700

2021 CMOM Package 2



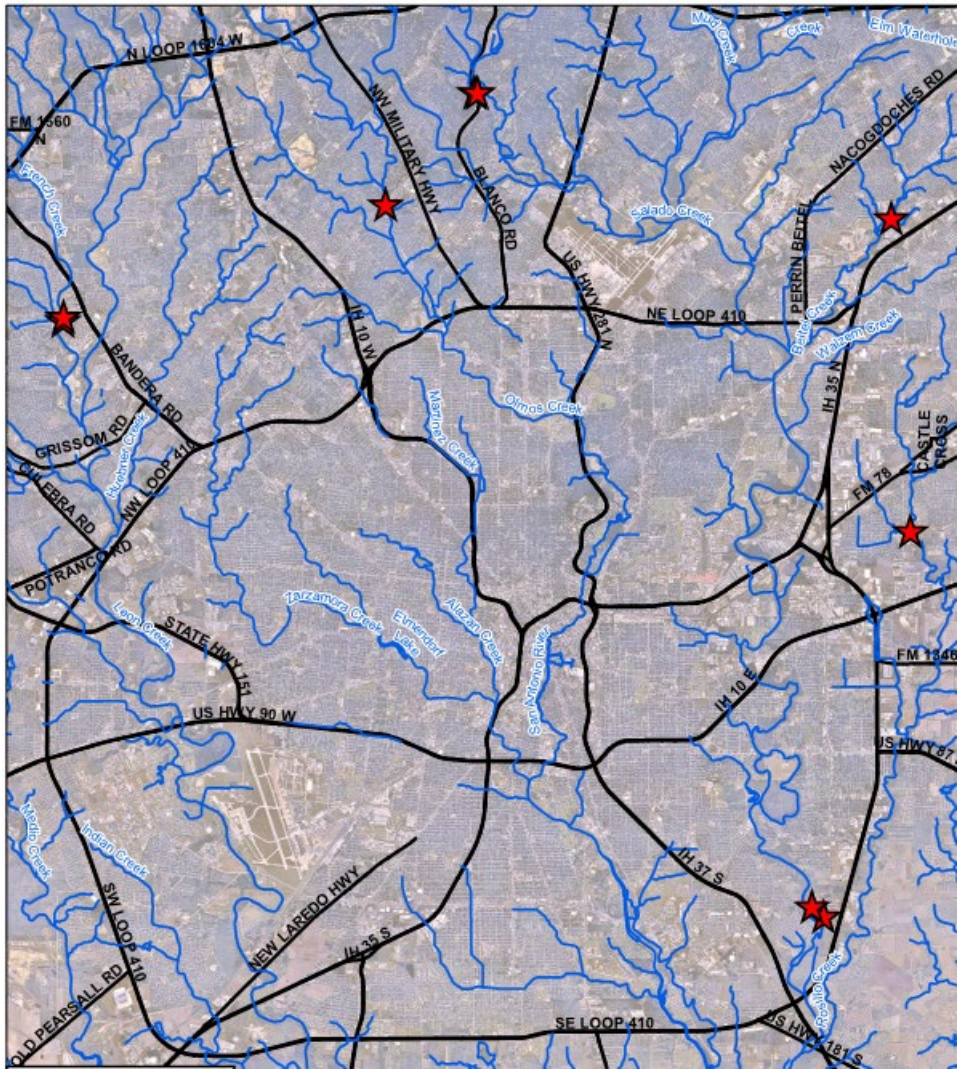
- Location:
  - Multiple Locations Throughout the Central Basin
- Pipe Diameter:
  - 8-inch thru 36-inch
- Project Length:
  - Approximately 10,180 feet
- Rehab Method:
  - CIPP, Pipe Burst, Open Cut, Open Cut Reroute, and Abandonment
- Approximate Construction Cost:
  - Estimated $4,000,100

2021 CMOM Package 3



- Location:
  - Multiple Locations Throughout the City
- Pipe Diameter:
  - 12-inch thru 54-inch
- Project Length:
  - Approximately 13,953 feet
- Rehab Method:
  - CIPP
- Approximate Construction Cost:
  - Estimated $10,123,100

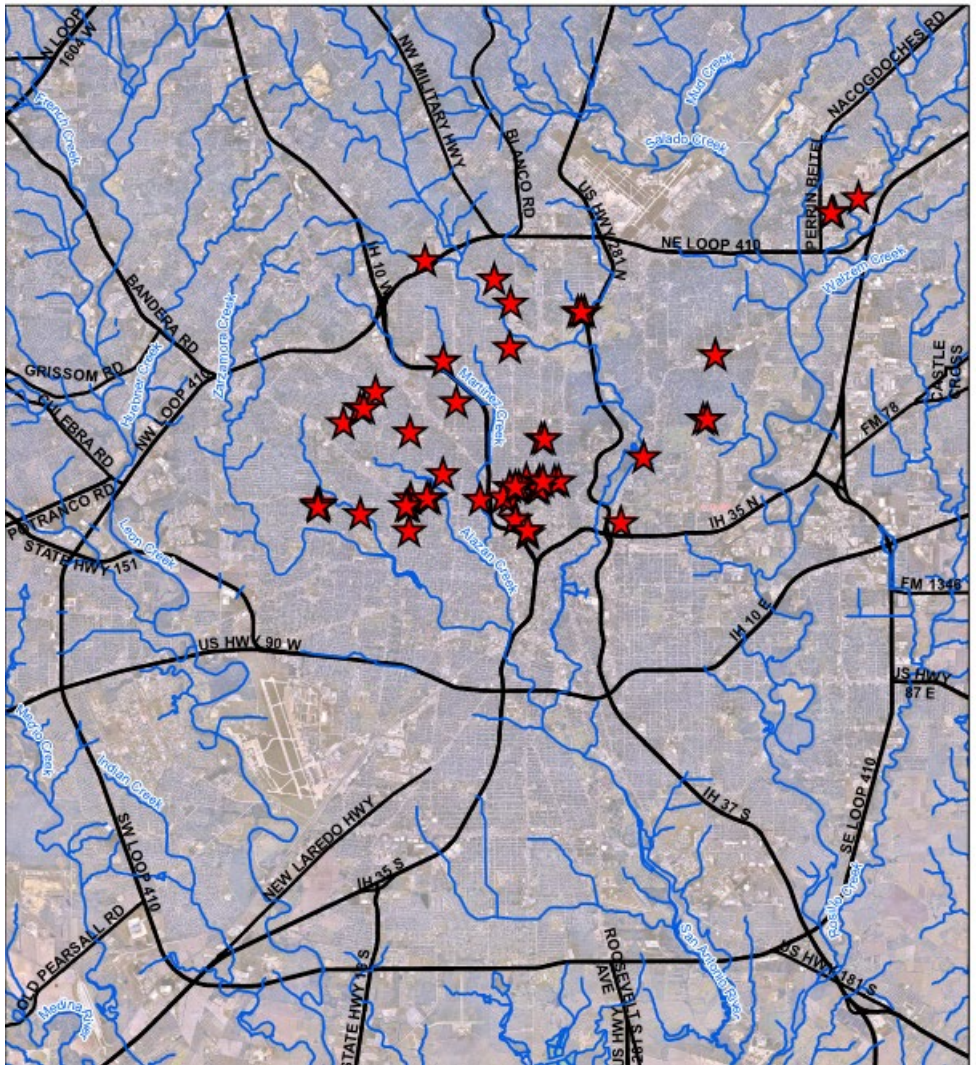
2021 CMOM Package 4



- Location:
  Multiple Locations Throughout the City
- Pipe Diameter:
  - 24-inch thru 72-inch
- Project Length:
  - Approximately 6,073 feet
- Rehab Method:
  - CIPP
- Approximate Construction Cost:
  - Estimated $5,885,100

San Antonio Water System

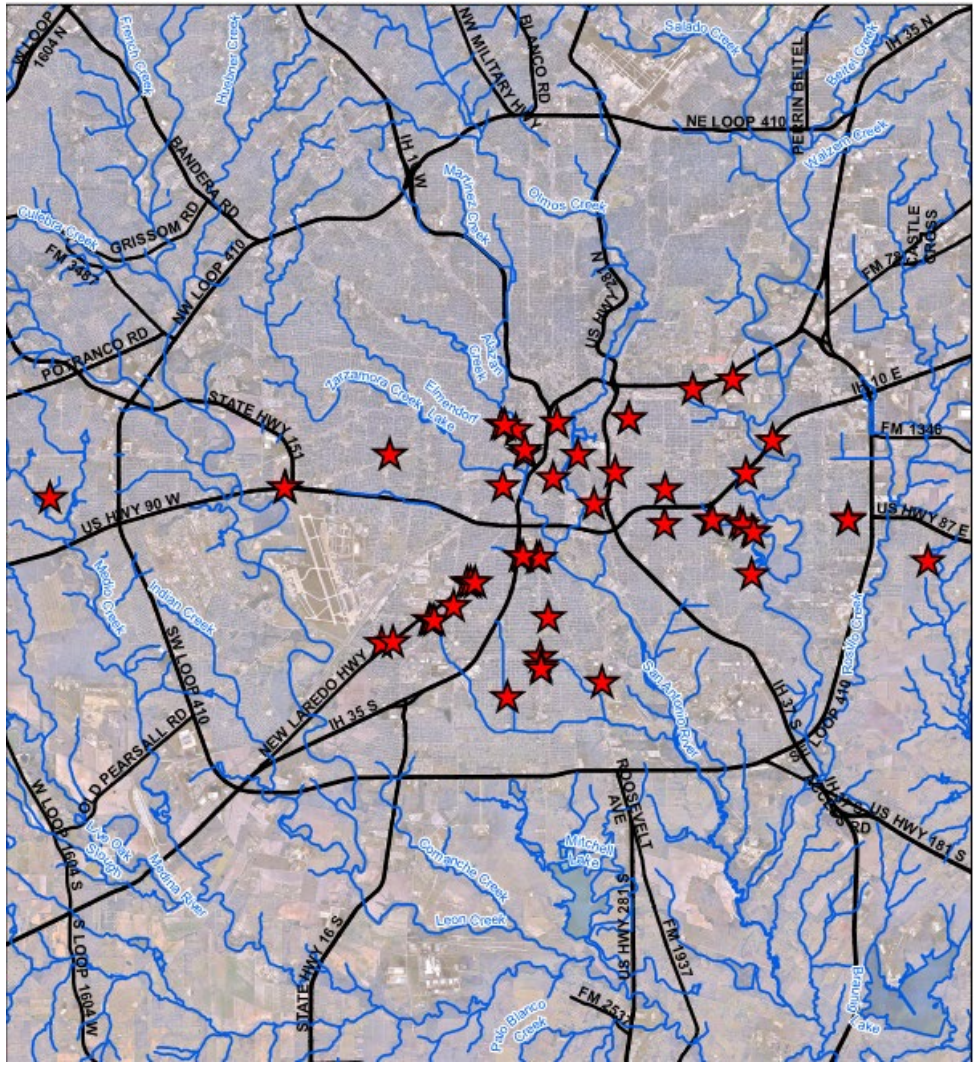
2021 CMOM Package 5



- Location:
  - Multiple Locations Throughout the City
- Pipe Diameter:
  - 6-inch thru 24-inch
- Project Length:
  - Approximately 16,769 feet
- Rehab Method:
  - Pipe Burst, Open Cut, and Open Cut Reroute
- Approximate Construction Cost:
  - Estimated $4,583,800

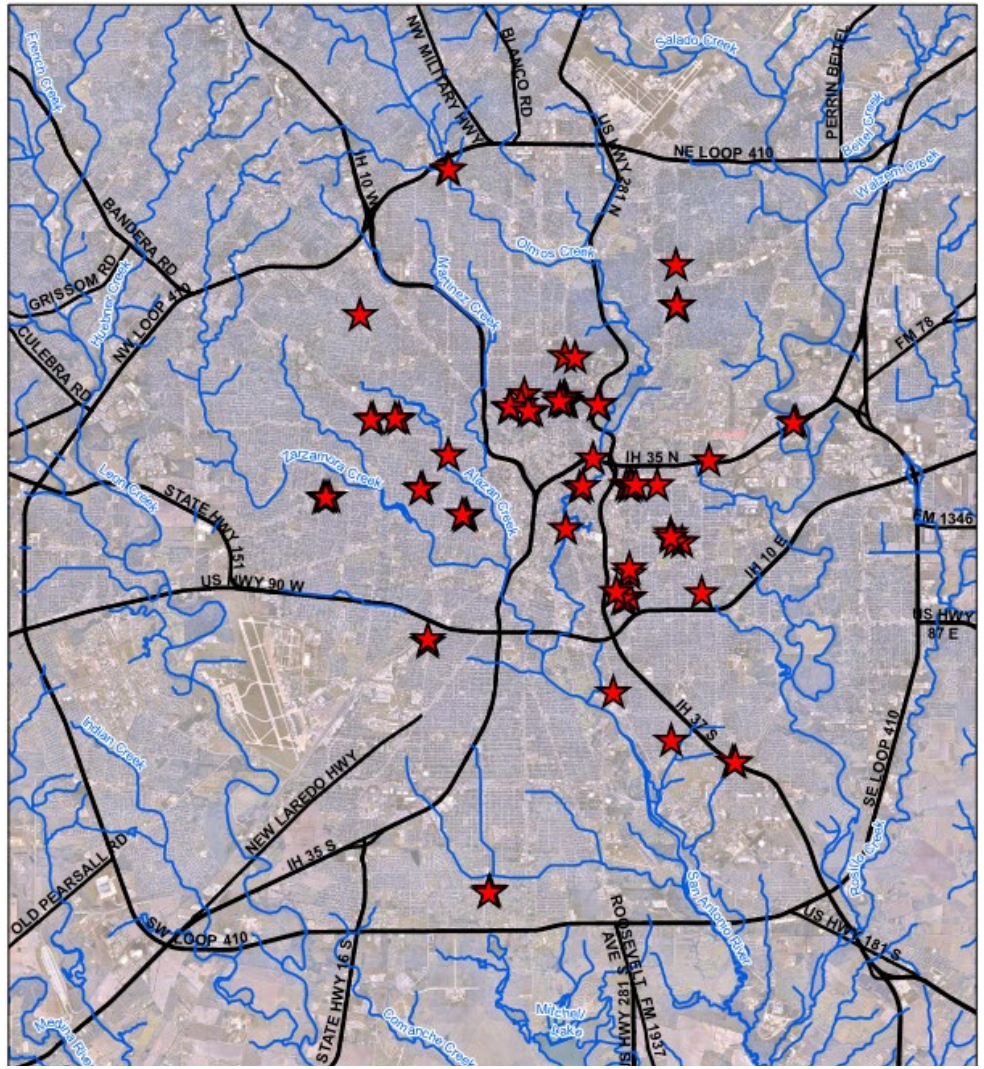
San Antonio Water System

2021 CMOM Package 6



- Location:
  - Multiple Locations Throughout the City.
- Pipe Diameter:
  - 6-inch thru 18-inch
- Project Length:
  - Approximately 14,470 feet
- Rehab Method:
  - Open Cut, Pipe Burst, Open Cut Reroute, and Abandonment
- Approximate Construction Cost:
  - Estimated $4,648,800

2021 CMOM Package 7



- Location:
  - Multiple Locations Throughout the City
- Pipe Diameter:
  - 6-inch thru 21-inch
- Project Length:
  - Approximately 21,280 feet
- Rehab Method:
  - CIPP
- Approximate Construction Cost:
  - Estimated $4,830,800

San Antonio Water System

2021 Unspecified

- Location:
  - Multiple locations throughout the city.
- Scope:
  - Rehabilitation and Replacement of small and large diameter mains
- Approximate Construction Cost:
  - Estimated $2,500,000

Cost Estimates – Design Phase

- Consultant must develop opinions of probable construction costs (OPCC) for all phases of each project as per the recommendations of AACE International (formerly the Association for the Advancement of Cost Engineering) as described in AACE's document 56R-08: Cost Estimate Classification System – as Applied for the Building and General Construction Industries

Cost Estimates – Design Phase

- Consultants to develop OPCCs for each phase as follows:

Design Phase	Estimate Class	Expected Accuracy Range
30% Design	Class 3	L: -5% to -15% H: +10% to +20%
60% Design	Class 2	L: -5% to -10% H: +5% to +15%
90% Design	Class 1	L: -3% to -5% H: +3% to +10%
Bid Documents	Class 1	L: -3% to -5% H: +3% to +10%

Cost Estimates – Construction Phase

- Consultant must provide independent cost estimates based on the RS Means method of cost estimating by using the most current RS Means publication, with the appropriate adjustments for the location cost factors and the applicable overhead and profit percentages. These cost estimates are due on or before a RFP is requested from a SAWS contractor.

Quality Management Plan

QMP

- Consultant will be required to develop a QMP
- QMP reviews to be performed by staff not involved in day to day
- QMP reviews are at different intervals during the design phases
- Constructability reviews with experienced personnel are required in the QMP to ensure project is buildable
- A QMP Certification Letter will be required

TCEQ 217.6

Chapter 217.6 Transmittal Letter

- Ensures compliance with §217.6(c)
- Requests any variances from Chapter 217 and provides technical justification for said variance
- Discloses any innovative or nonconforming technologies in use
- Required to be signed and sealed

Key Considerations

- Schedule
- Methods of construction
- Coordination with other agencies (e.g., COSA, Bexar County, TxDOT, USACE, TCEQ, VIA etc.)
- Easements and ROW
- Identification of utilities (above and below ground)
- Environmental Site Assessment
- Surveys and topographic information
- Access points for construction and adequacy of easements
- Bypass plans and traffic control
- Plans, Specifications, and Cost Estimates

Key Considerations

- Confirm all requirements met of each section in the RFQ
- Use relevant experience
  - Both Resumes and Past Performance
- Avoid using "Cookie Cutter" submissions

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Non-Mandatory Pre-Submittal Meeting

September 8, 2021

MAKING SAN ANTONIO WATERFUL