2019 Sanitary Sewer Overflow and Reduction Program (SSORP) Engineering Design Services

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San Antonio Water System

Non-Mandatory Pre-Submittal Meeting
February 20, 2019

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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
- Submittal Checklist
- Additional Requirements
- Submission Restrictions
- Selection Process
- Evaluation Criteria
- SMWVB
- Submissions
- Key Dates
- Submittal Deadline
- Negotiations
- Communication Reminders
- Questions
- Project Matrix
- Project Charters
- Technical Information

Objective

- Provide professional engineering design services, as well as all associated engineering services necessary to advance sanitary sewer overflow and reduction program projects
  - Includes both bid and construction phase services
- The projects included in this RFQ represent Condition Project Packages required to meet Consent Decree (CD) requirements

Requirements and Restrictions – Additional 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

Requirements and Restrictions – Submission Restrictions

- SSORP Program Manager, HDR, may not submit for this RFQ
  - Sub-consultants are eligible to service as a sub or prime consultant
  - Please refer to Section II, D. Submission Restrictions, 1 in the RFQ
- BPC are not eligible to submit for the RFQ (either as a prime or sub consultant)
  - Please refer to Section II., D. Submission Restrictions, 2 in the RFQ
  - Sub-consultants on a BPC team may submit if their work did not or will not exceed 15% of the total BPC's contract value
  - Contact Marisol Robles, SMWVB Program Manager, for verification

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

Evaluation Criteria

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

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 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 – 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 relevant to scope of services in the RFQ and their role in that project
3) Describe firm's most relevant experience using Subconsultant Table

No additional narrative required

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

1) Complete Project Table for 5 Relevant Projects, of Similar Size and Scope to projects in the RFQ (5 page limit)
   - Similar projects are 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

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, constructability and budget
     - Respondent should select 1 of the projects identified and use it to address unique circumstances
  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

Submissions

- Submit hard copies (1 original and 8 copies)
- Include a USB flash drive/CD of the original proposal (all pages)
- Reference the RFQ on additional required items
- Must submit using Evaluation Criteria Forms where indicated
- Use 8 ½ x 11 portrait format
- Thoroughly read the RFQ to ensure Respondent is familiar with scope
- Be very specific and avoid "boiler plate" responses for narrative responses
- Utilize the Submittal Response Checklist
- Contact the SMWVB Program Manager for assistance, if necessary
- Perform QA/QC on proposal prior to submitting

Dates

Date	Action
RFQ Released	February 6, 2019
Written Questions Due	February 25, 2019 by 4:00 p.m.
Q & A Posted to Website	February 27, 2019 by 4:00 p.m.
Proposals Due	March 6, 2019 by 2:00 p.m.
Proposals Evaluated	March 2019
Interviews, if necessary	March 2019
SAWS Board Consideration and Award	May 7, 2019
Start Work	May 2019

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

Submittal Deadline

- Solicitation number, solicitation name, date and time of the deadline should be clearly identified on the outside of the package
- Deliver to 2800 U.S. Highway 281 North, Customer Service Building
  - Deliver to Counter Services
  - SAWS recommends submitting proposals at least 2 hours prior to the deadline
  - Make arrangements early if mailing a response
- Late responses will not be accepted and will be returned unopened

Negotiations

- Must be completed within 15 calendar days from receipt of Respondent's Selection Letter
- If an agreement cannot be reached within the time frame, SAWS will formally cease negotiations and begin negotiations with the next most qualified firm

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 February 25, 2019 by 4:00 P.M. via e-mail to:

Stella Manzello

Contract Administration Department

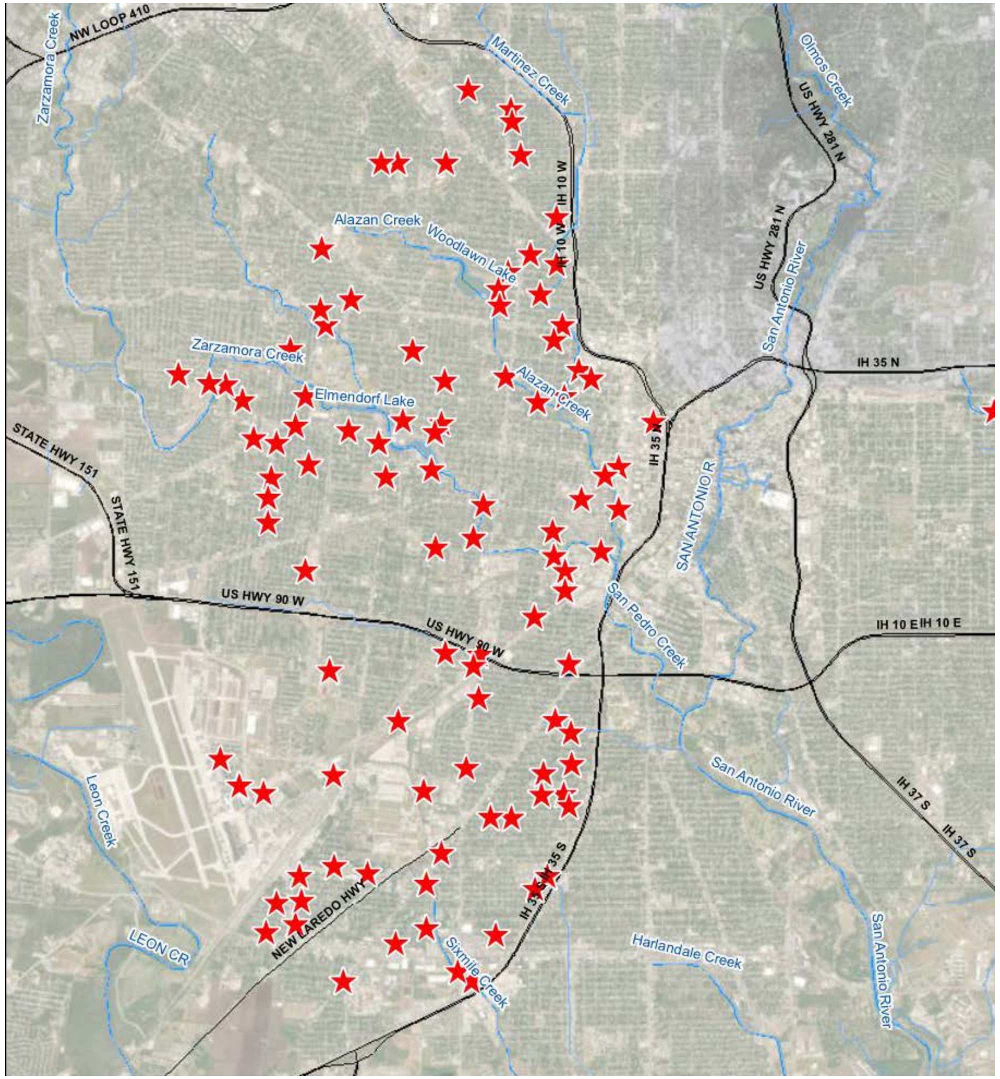
San Antonio Water System

Stella.Manzello@saws.org

Project Matrix

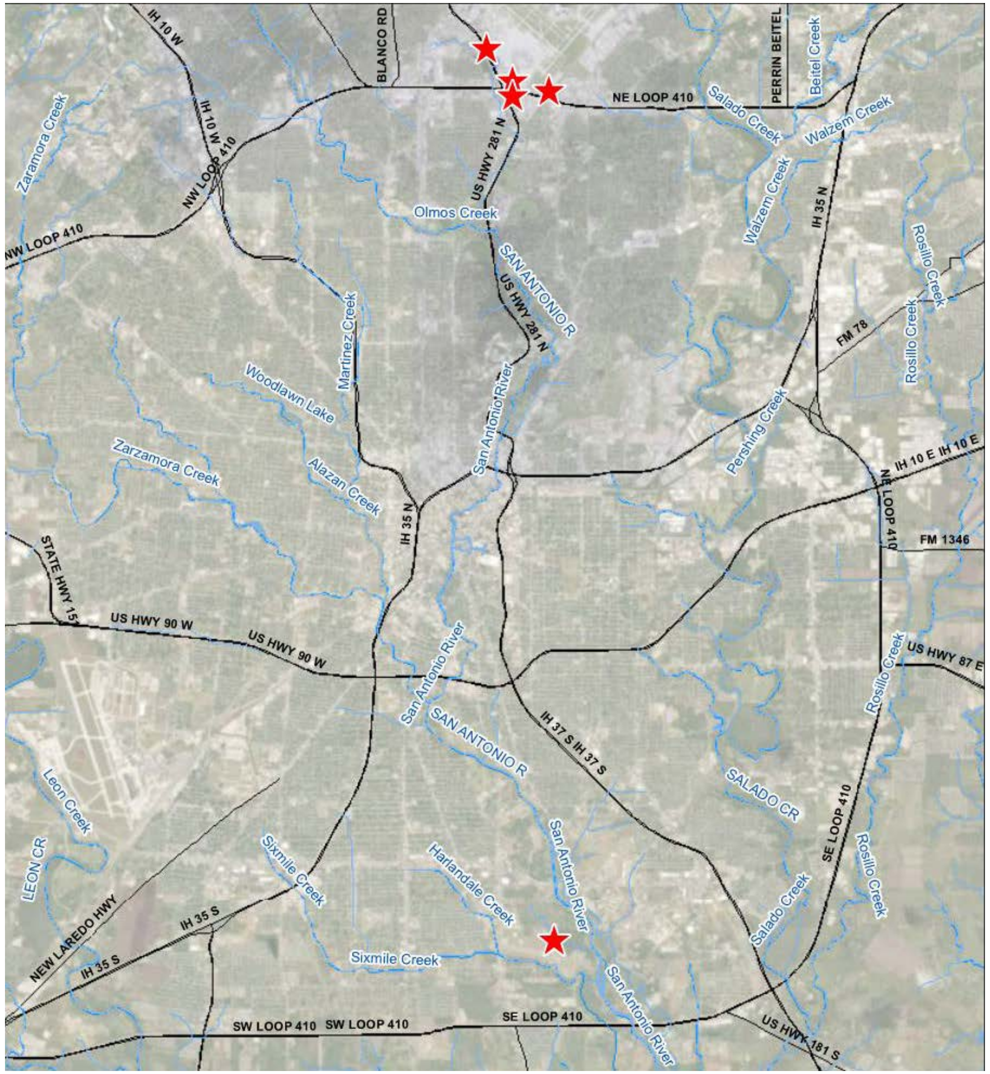
Project Name	BPC Central Large Diameter Package 2	BPC East Package 3	Multiple Sewershed Package 15 (Railroad)	BPC Central Small Diameter Package 4	Central Sewershed Package 9 (Airport)	Central Sewershed Package 8	Multiple Sewershed Package 14	BPC Central Small Diameter Package 5	BPC West Package 6
Project ID	Pro-11178	Pro-11179	Pro-11180	Pro-11181	Pro-11182	Pro-11184	Pro-11185	Pro-11186	Pro-11187
Design Schedule	May 2019- January 2020	May 2019- January 2020	May 2019- January 2020	May 2019- January 2020	May 2019- January 2020	May 2019- January 2020	May 2019- January 2020	May 2019- January 2020	May 2019- January 2020
Concept Con. Estimate	$ 2,472,034.00	$ 4,656,000.00	$ 4,998,000.00	$ 11,047,000.00	$ 634,000.00	$ 2,670,000.00	$ 1,643,000.00	$ 7,767,000.00	$ 8,558,000.00
8"-21" diameter pipe		X	X	X	X	X	X	X	X
24"+ diameter pipe	X	X	X						X
Description	This project will rehabilitate approximately 257 feet of 24-inch pipe, and 356 feet of 36-inch pipe via Open Cut method. 3 pipe segments have been identified in this package and are located throughout the city. CIPP is the suggested remedial method due to pipe condition.	This project will rehabilitate approximately 3,450 feet of 8-inch pipe, and 1,357 feet of 10-inch pipe via CIPP method. This project will rehabilitate approximately 886 feet of 6-inch pipe, 6,047 feet of 8-inch pipe, 1,759 feet of 10-inch pipe, and 143 feet of 12-inch pipe via Pipe Bursting method. This project will rehabilitate approximately 925 feet of 8-inch pipe, and 1,615 feet of 24-inch pipe via Open Cut method. 54 pipe segments have been identified in this package and are located throughout the city. The suggested remedial methods were chosen due to pipe condition.	This project will rehabilitate approximately 2,019 feet of 10-inch pipe, 900 feet of 21-inch pipe, 1,214 feet of 24-inch pipe, and 163 feet of 36-inch pipe via CIPP method. This project will rehabilitate approximately 364 feet of 6-inch pipe, 945 feet of 8-inch pipe, 3,162 feet of 10-inch pipe, 1,140 feet of 12-inch pipe, and 432 feet of 15-inch pipe via Pipe Bursting method. This project will rehabilitate approximately 325 feet of 8-inch pipe, and 57 feet of 10-inch pipe pipe via Open Cut method. This project will rehabilitate approximately 522 feet of 8-inch pipe, 115 feet of 10-inch pipe, 277 feet of 12-inch pipe, 482 feet of 24-inch pipe, 359 feet of 30-inch pipe, and 354 feet of 42-inch pipe via Jack Bore and Tunnel method. 41 pipe segments have been identified in this package and are located throughout the city. CIPP is the suggested remedial method due to pipe condition.	This project will rehabilitate approximately 8,460 feet of 8-inch pipe via CIPP method. This project will rehabilitate approximately 3,486 feet of 8-inch pipe via Pipe Bursting method. This project will rehabilitate approximately 1,083 feet of 6-inch pipe, and 500 feet of 8-inch pipe via Open Cut method. This project will rehabilitate approximately 375 feet of 8-inch pipe via Jack Bore and Tunnel method. 135 pipe segments have been identified in this package and are located throughout the city. The suggested remedial methods were chosen due to pipe condition.	Project Description and Scope: This project will rehabilitate approximately 603 feet of 8-inch pipe, 362 feet of 10-inch pipe, 643 feet of 12-inch pipe, and 482 feet of 16-inch pipe via CIPP method. This project will rehabilitate approximately 1,064 feet of 8-inch pipe via Open Cut method. 9 pipe segments have been identified in this package and are located throughout the city. The suggested remedial methods were chosen due to pipe condition.	This project will rehabilitate approximately 9,876 feet of 8-inch pipe, 744 feet of 10-inch pipe, 298 feet of 12-inch pipe, and 199 feet of 21-inch pipe via pipe bursting method; 1,991 feet of 8-inch pipe, 369 feet of 10-inch pipe, 10 feet of 12-inch pipe, and 376 feet of 15-inch pipe will be replaced via open cut method. 49 assets have been identified in this package and are located throughout the city. Pipe Burst and Open Cut methods are the suggested remedial methods due to pipe condition, utility conflicts and location of pipes.	This project will rehabilitate approximately 7,470 feet of 8-inch pipe, 572 feet of 10-inch pipe, and 321 feet of 12-inch pipe via pipe bursting method; 410 feet of 8-inch pipe, and 499 feet of 10-inch pipe will be replaced via open cut method. 32 assets have been identified in this package and are located throughout the city. Pipe Burst and Open Cut methods are the suggested remedial methods due to pipe condition, utility conflicts and location of pipes.	This project will rehabilitate approximately 20,125 feet of 8-inch pipe, 441 feet of 10-inch pipe, 1055 feet of 12-inch pipe, 298 feet of 15-inch pipe, 456 feet of 18-inch pipe, 212 feet of 21-inch pipe via CIPP; 223 feet of 6-inch pipe, 5,223 feet of 8-inch pipe, 308 feet of 10-inch pipe, 289 feet of 12-inch pipe via Pipe Bursting. Additionally 1,543 feet of 6inch pipe, 5,483 feet of 8-inch pipe, 80 feet of 10-inch pipe, and 432 feet of 15-inch pipe will be replaced via open cut method; 183 feet of 8-inch pipe will be added via Bore method. Also 6-inch main could be replaced with 8-inch main if possible. 131 assets have been identified in this package and are located throughout the city. CIPP, Pipe Burst, Boreing, and Open Cut methods are the suggested remedial methods due to pipe condition, utility conflicts and location of pipes.	This project will rehabilitate approximately 15,278 feet of 8-inch pipe, 1,221 feet of 10inch pipe, 1,117 feet of 12-inch pipe, 1,332 feet of 15-inch pipe, 2,660 feet of 27-inch pipe, 210 feet of 30-inch, and 1,743 feet of 36-inch pipe via CIPP; Approximately 5,041 feet of 8-inch pipe, 328 feet of 10-inch pipe, 184 feet of 15-inch pipe, and 503 feet of 18inch pipe via Pipe Bursting. Additionally 1,687 feet of 8-inch pipe, 487 feet of 12-inch pipe, 15 feet of 21-inch pipe, and 509 feet of 36-inch pipe will be replaced via open cut method. 113 assets have been identified in this package and are located throughout the city. CIPP, Pipe Burst, and Open Cut methods are the suggested remedial methods due to pipe condition, utility conflicts and location of pipes.

BPC Central Small Diameter Package 4



- Location:
  - Project sites spread throughout the Central Sewershed
- Pipe Diameter:
  - 6-inch to 21-inch
- Project Length:
  - Approximately 35,485 feet
- Rehab Method:
  - CIPP, Pipe Burst, Open Cut and Bore
- Estimate Design Cost:
  - Not to exceed $1,466,100.00

Central Sewershed Package 9 (Airport)



- Location:
  - San Antonio International Airport and Stinson Municipal Airport.
- Pipe Diameter:
  - 8-inch to 16-inch
- Project Length:
  - Approximately 3,154 feet
- Rehab Method:
  - CIPP and Open Cut
- Estimated Design Cost:
  - Not to exceed $63,400.00

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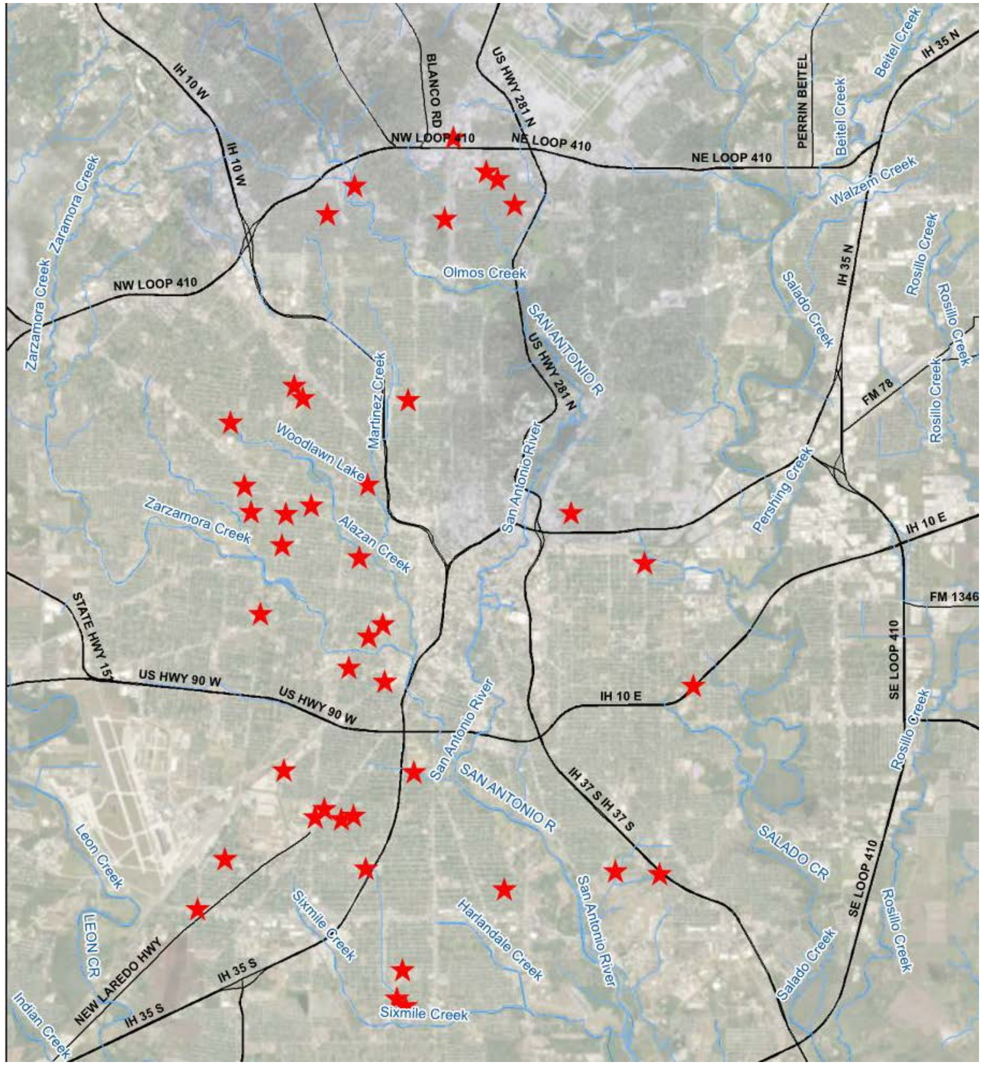
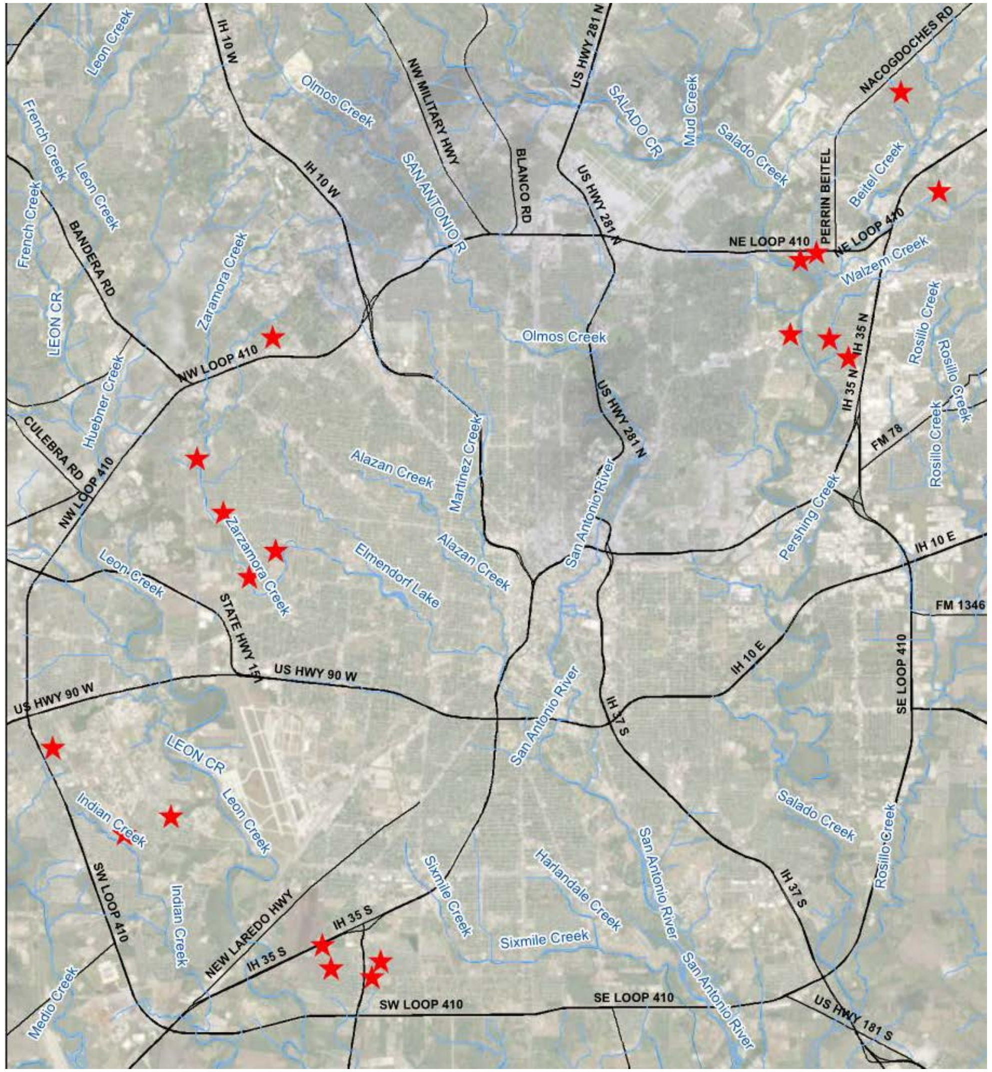
Central Sewershed Package 8



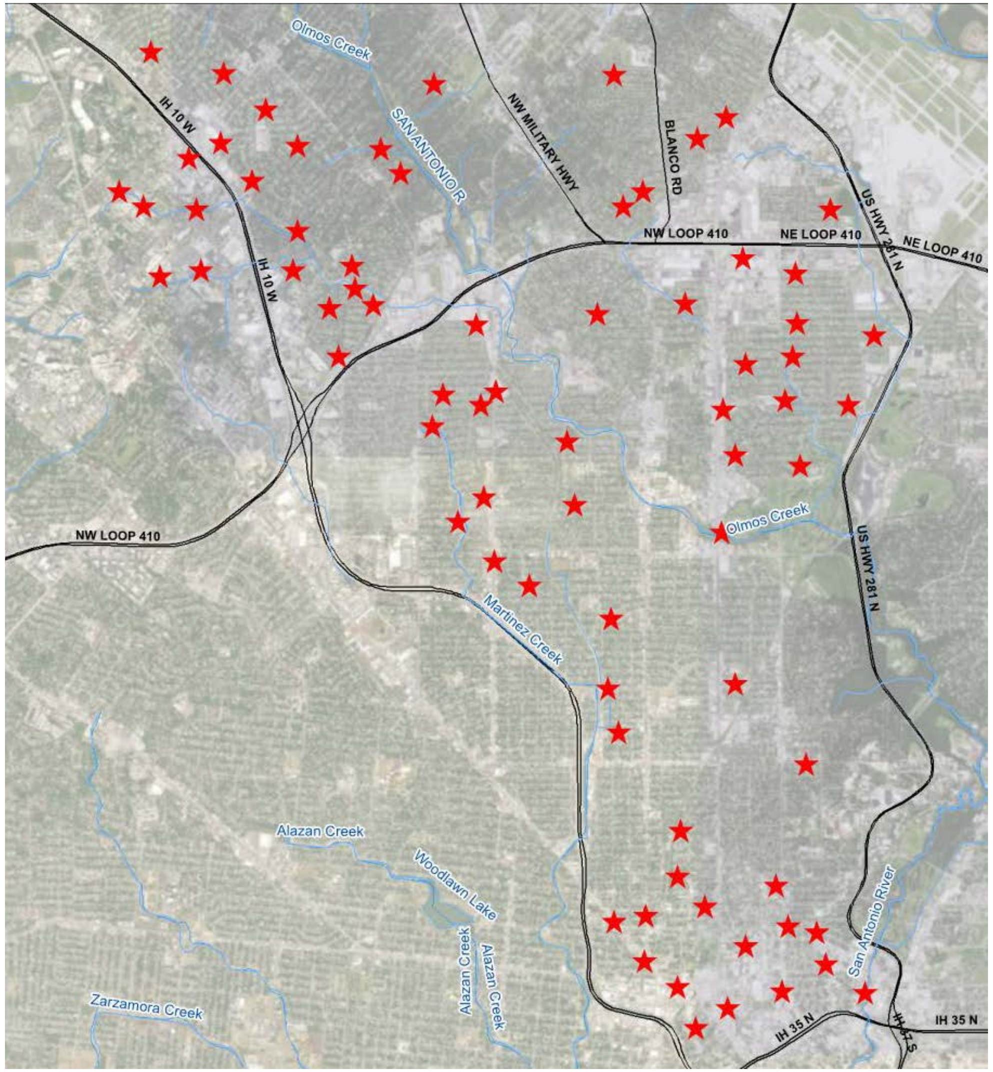
- Location:
  - Project Sites spread throughout the Central Sewershed.
- Pipe Diameter:
  - 8-inch to 21-inch
- Project Length:
  - Approximately 13,862 feet
- Rehab Method:
  - Pipe Burst and Open Cut
- Estimate Design Cost:
  - Not to exceed $267,000.00

Multiple Sewershed Package 14



- Location:
  - Multiple locations through out the City of San Antonio
- Pipe Diameter:
  - 8-inch to 12-inch
- Project Length:
  - Approximately 9,272 feet
- Rehab Method:
  - Pipe Burst and Open Cut
- Estimated Design Cost:
  - Not to exceed: $164,300.00

BPC Central Small Diameter Package 5



- Location:
  - Project Sites spread throughout the Central Sewershed
- Pipe Diameter:
  - 6-inch to 21-inch
- Project Length:
  - Approximately 36,351feet
- Rehab Method:
  - CIPP, Pipe Burst, Open Cut and Bore
- Estimated Cost:
  - Not to exceed $1,109,350.00

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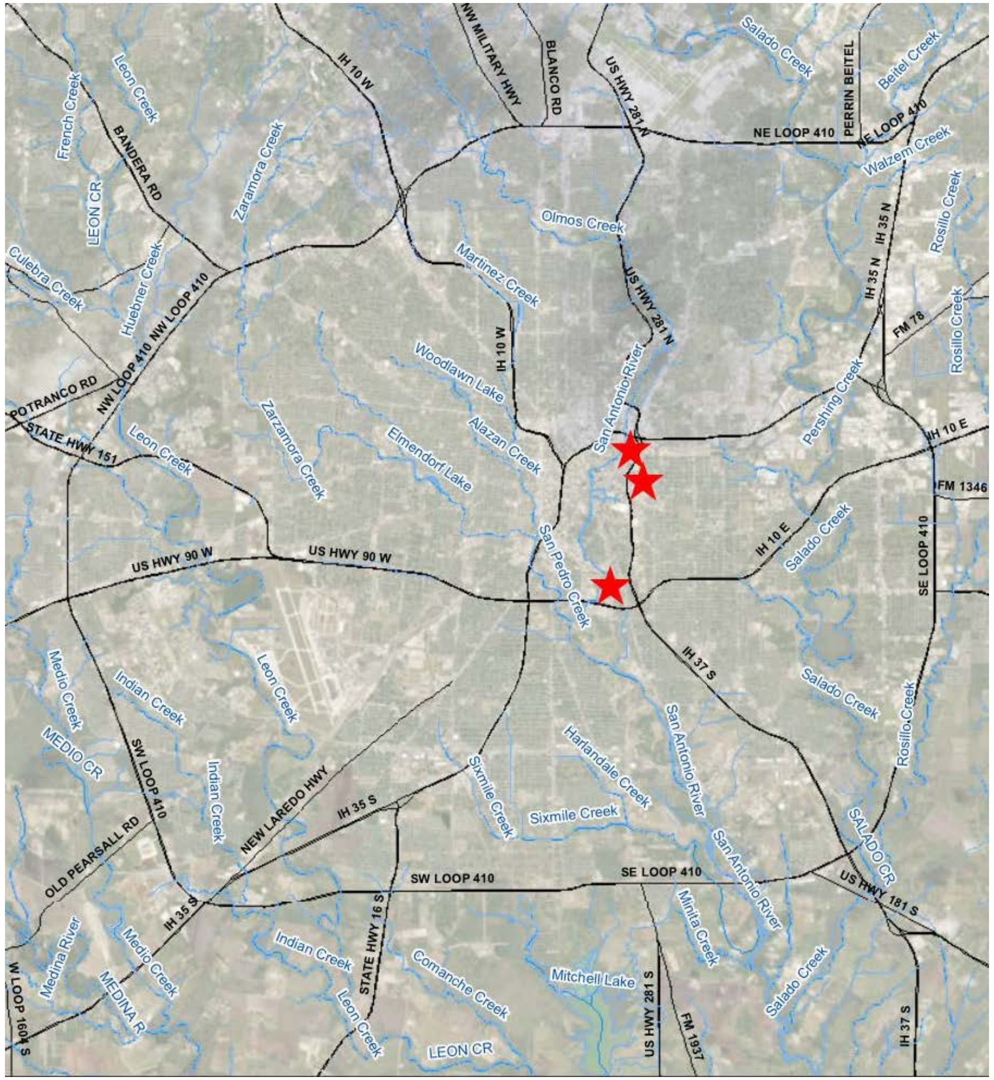
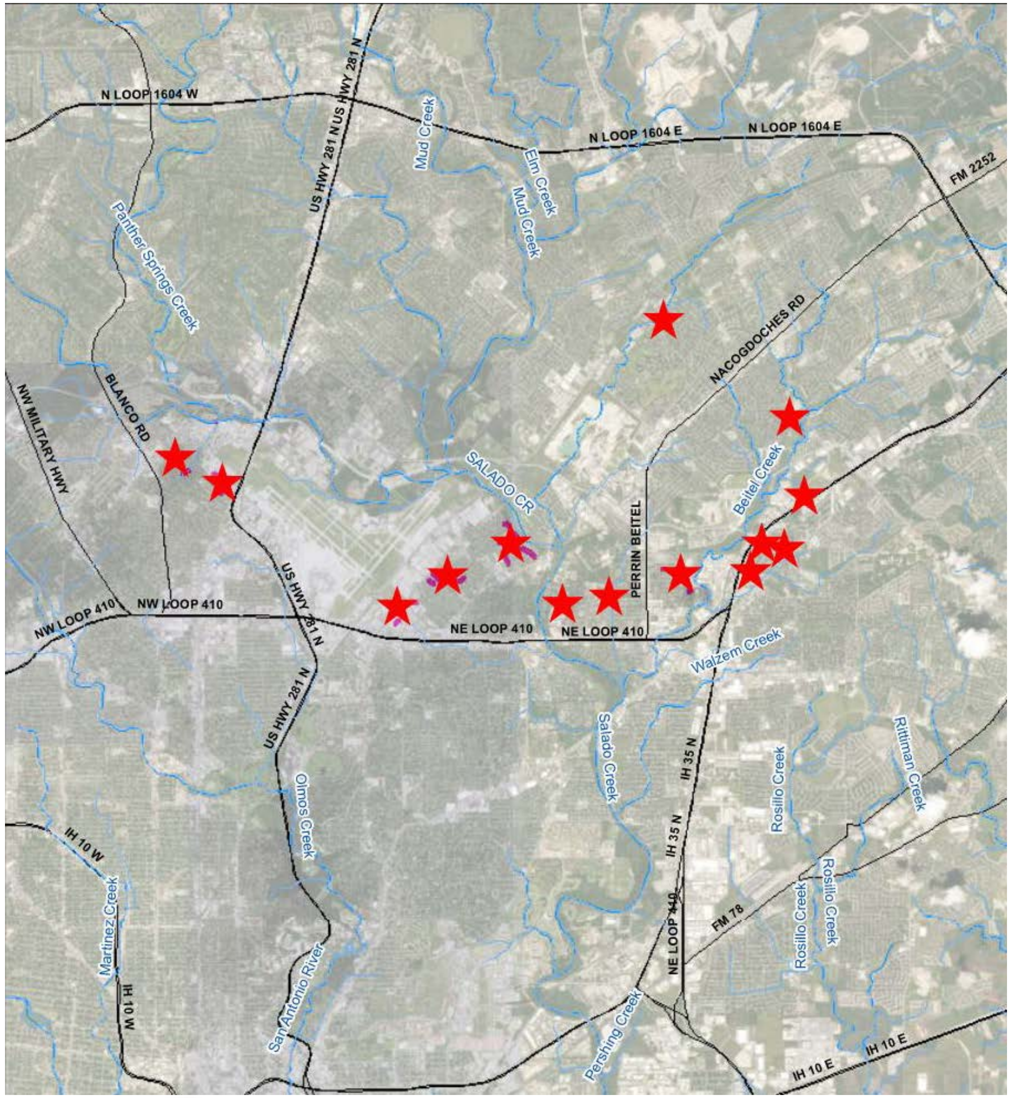
BPC Central Large Diameter Package 2



- Location:
  - Project sites spread throughout the Central Sewershed
- Pipe Diameter:
  - 24-inch to 36-inch
- Project Length:
  - Approximately 613 feet
- Rehab Method:
  - Open Cut
- Estimate Design Cost:
  - Not to exceed $144,000.00

BPC East Sewershed Package 3



- Location:
  - Project sites spread throughout the Eastern Sewershed
- Pipe Diameter:
  - 8-inch to 24-inch
- Project Length:
  - Approximately 16,182 feet
- Rehab Method:
  - CIPP, Pipe Burst and Open Cut
- Estimate Design Cost:
  - Not to exceed $649,000.00

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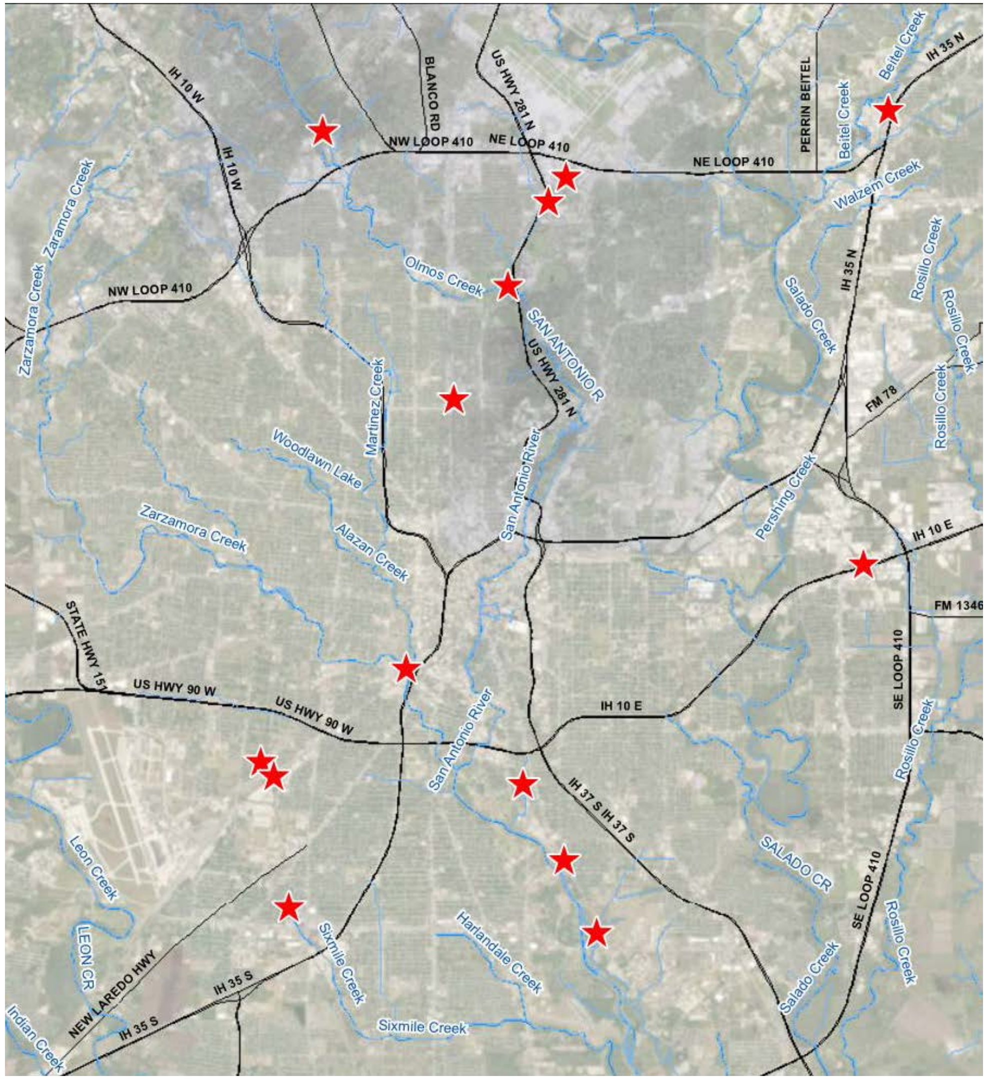
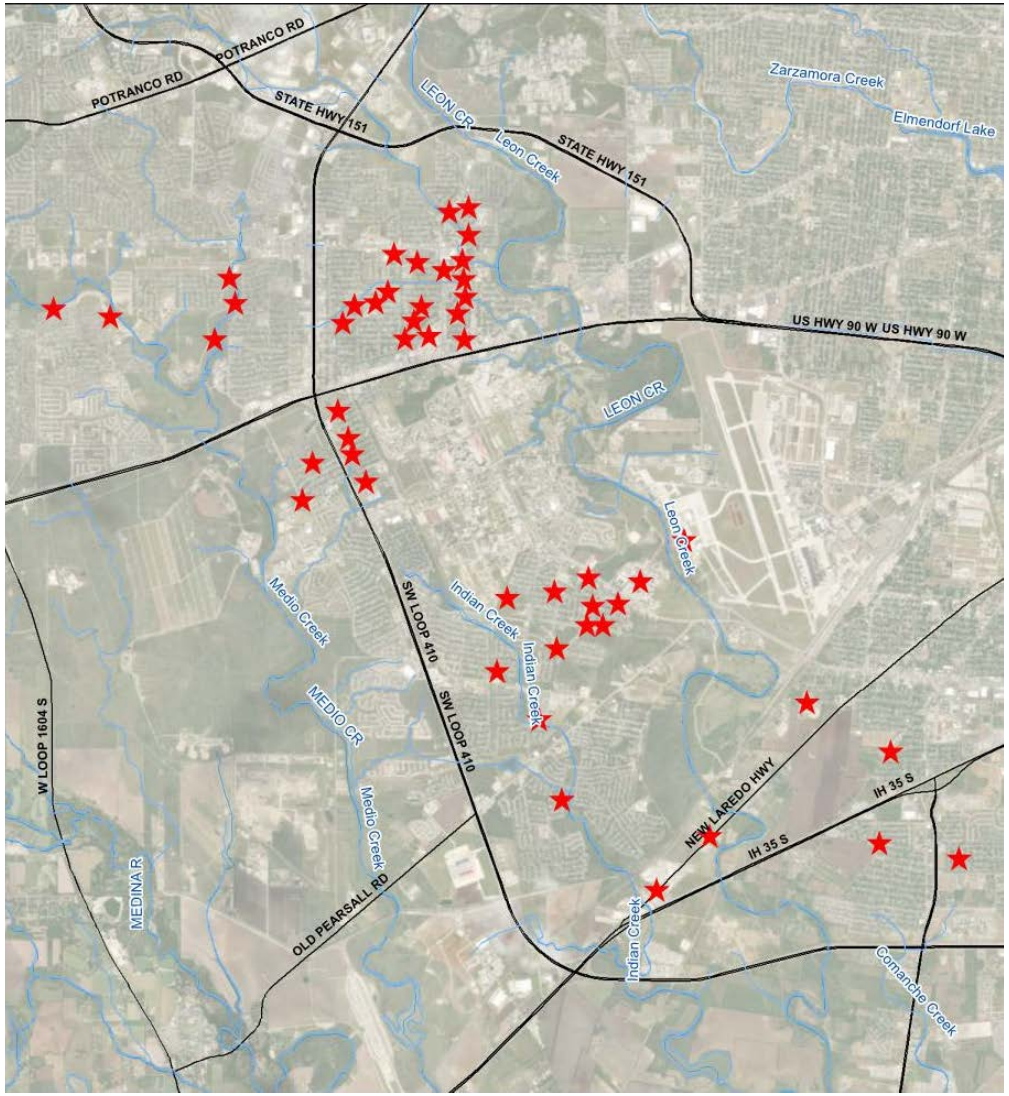
Multiple Sewershed Package 15 (Rail Road)



- Location:
  - Project sites within Railroad Right of way
- Pipe Diameter:
  - 6-inch to 42-inch
- Project Length:
  - Approximately 12,831 feet
- Rehab Method:
  - CIPP, Pipe Burst, Bore and Open Cut
- Estimate Design Cost:
  - Not to exceed $499,800.00

BPC West Sewershed Package 6



- Location:
  - Project sites spread throughout the Western Sewershed
- Pipe Diameter:
  - 8-inch to 36-inch
- Project Length:
  - Approximately 32,315 feet
- Rehab Method:
  - CIPP, Pipe Burst and Open Cut
- Estimate Design Cost:
  - Not to exceed $1,872,418.00

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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.

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

Small, Minority, Woman, and Veteran-Owned Businesses (SMWVB Participation)

- M/WBE Scoring Method: **Up to 10 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 before as a prime consultant, for 10% of Sewer Design Services: **5 Points**

Small, Minority, Woman, and Veteran-Owned Businesses (SMWVB 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", 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, up until the RFQ is due. Her contact information is:

Marisol V. Robles

SMWVB Program Manager

Contracting Department

Email: Marisol.Robles@saws.org

Telephone: 210-233-3420

2019 Sanitary Sewer Overflow and Reduction Program (SSORP) Engineering Design Services

Antonio Leyva, P.E.

Engineering Manager

Marisol V. Robles

Manager – SMWVB Program

Stella Manzello

Contract Administrator

San Antonio Water System

Non-Mandatory Pre-Submittal Meeting

February 20, 2019

MAKING SAN ANTONIO WATERFUL