



# **Engineering and Surveying Services**

## **San Angelo Master Drainage Plan**

RFQ No ES-04-19

May 13, 2019



# Document Availability

- Documents are available in the Purchasing Division or may be downloaded from the City's website at [www.cosatx.us](http://www.cosatx.us). To locate the documents on the website go to:
  - Bid Information > RFQ: ES-04-19 Engineering and Surveying Services for City of San Angelo Master Drainage Plan
- **Deadline and Delivery Location**
  - Sealed RFQ submittals must be received at the Purchasing Office no later than **May 21, 2019, 2:00 PM, Local Time**. The clock located in Purchasing will be the official time. Submissions received after the deadline, regardless of the mode of delivery, will be not be considered.



# Proposal Submittal Format

- Respondents are encouraged to use their own format within the guidelines described in the RFQ:
- In addition to all required forms and documentation, each firm must provide the following information (limited to 20 pages exclusive of cover page and team résumés):
  - **Cover Page**
  - **Table of Contents – 1 page**
  - **Team Capability – 3 pages**
  - **Key Personnel – 3 pages exclusive of team résumés**
  - **Quality of Similar Projects – 9 page**
  - **Understanding the Scope of Work – 3 pages**
  - **Familiarity – 1 page**



# EVALUATION CRITERIA

- Project Approach / Project Management Plan
  - (0-30 POINTS)
- Key Project Personnel - Qualifications and Experience
  - (0-30 POINTS)
- Similar Projects Experience
  - (0-30 POINTS)
- Firm Location
  - (0-10 POINTS)



# Important Dates

<b>Pre-Proposal Meeting</b>	<b>10:00 a.m. May 13<sup>th</sup>, 2019</b>
Jobsite Walk	NA
Deadline for Questions	5:00 p.m. May 14 <sup>th</sup> 2019
Deadline for Addenda (7 days prior to proposal for major changes)	5:00 p.m. May 20 <sup>th</sup> 2019
Deadline for Receipt of Proposals	2:00 p.m. May 21 <sup>st</sup> 2019
Evaluation of Proposals Completed	20 Days
Award of Contract	90 Days
Red Arroyo Plan Submittal Date	September 5 <sup>th</sup> 2019
Complete Plan Submittal Date	June 30 <sup>th</sup> 2020



# Points of Contact

## Request for Qualifications:

**Nolan Sosa, Manager  
Purchasing Division  
City of San Angelo  
72 W. College Ave.  
San Angelo, Texas 76903  
sapurch@cosatx.us  
(325) 657-4219**

## Project Manager after Council Award:

**Andy Vecellio, Assistant City Engineer  
Engineering Services  
City of San Angelo  
301 W. Beauregard Ave.  
San Angelo, Texas 76903**

**Charles Michalewicz  
Public Works Projects Administrator  
City of San Angelo**



# Project Description

- **Master Drainage Study Design Criteria**
- The Master Drainage Study documents shall be developed with regional solutions in mind and consistent with the City's current Stormwater Design Manual. Levels of flow that should be evaluated include 2-year, 10-year and 100-year storm events for each type of study element.
- **Existing Concepts:** Review and update of relevant literature and reports from past work in the City of San Angelo regional watersheds; i.e. 2000 Master Drainage Plan.
- **Existing Conditions:** Determine existing drainage conditions and evaluate stormwater management in the watershed; perform field visits, identify access and easement points. Conduct meetings with City staff, conduct public meetings or hearings, coordinate and complete master plan documents development within existing project budget.
- **Surveying services:** Conventional and GPS Surveying as necessary. These services include the horizontal and vertical locations of existing condition information for the development of the proposed Master Drainage Plan.



# Project Description Continued

- **Stormwater infrastructure:** Use of existing concepts to identify retrofit, restoration and drainage improvement projects. Evaluate for regional detention possibilities. Propose a plan to abate flooding in the watershed by describing interim, measurable milestones and progress indicators. Improvements should address all functional, safety, and aesthetic properties, as well as focus on low-impact on-going maintenance needs.
- **Environmental clearance:** Identify and evaluate current and pending environmental regulations that will impact the City related to proposed drainage solutions.
- **Utility coordination of existing and proposed franchise utilities with utility, public, and private agencies:** Coordination of existing and proposed franchise utilities for the project. The selected firm is to contact all utility companies and governmental agencies having facilities within the project area and obtain necessary information on their existing and proposed facilities as appropriate. A consideration of the project shall evaluate the feasibility and cost of mitigating affected utilities on any proposed drainage solutions.





# Scope of Services Requested

- Develop the City of San Angelo Master Drainage Plan (COSAMDP) for the City stormwater runoff collection and conveyance system. This plan shall provide a road map to identify areas of hydraulic and structural deficiencies, upgrading options and a prioritized, phased improvement program.
- Develop a 10-Year Capital Improvement Plan (CIP) for the City using a phased approach for short, medium and long term projects with capital cost estimates that are considerate of the City's annual budget for drainage works.
- Develop potential projects, prioritization criteria, prioritize the projects based on developed criteria, provide 2 solutions to each project is applicable and develop project timelines for master plan components as well as for identified projects.
- Provide GIS shapefile of the plan's identified drainage problem areas.
- Identify and propose on-going maintenance activities related to proposed drainage solutions, and expected costs of such activities.
- Identify geographic areas of future growth to include the type of growth (residential, type of commercial, industrial, etc.), the impact on drainage of identified areas, and considerations for platting and design reviews and approvals.



# Plan Submittal

**The City requests two submissions deadlines for this project.**

- Prepare a draft plan and submit three (3) copies to the City for review and comments for the area upstream on Knickerbocker Dr. along the Red Arroyo, no later than September 5, 2019.
- Currently the City is in the process of designing a rehabilitation project for College Hills Boulevard (CHB) from Loop 306 to Avenue N and more specifically the area where CHB crosses the Red Arroyo. This area is a known drainage problem area because of the large watershed located upstream of this crossing. The City of San Angelo is requesting that this watershed be evaluated first during the COSAMDP process and considerations given to upstream modifications that can help relieve the drainage issues for this crossing. This portion of the project will require coordination between City staff and the design engineer on the CHB project eHT Engineers. This portion of the project will take priority as the results are required for the CHB project completion.



# Plan Submittal Continued

**The City requests two submissions deadlines for this project.**

- Prepare a draft plan and submit three (3) copies to the City for review and comments inclusive of all areas no later than June 30, 2020.
- Final Submission – Three (3) hardcopy and electronic versions of the Final, Approved MDP. ArcGIS spatial layer(s) showing identified problem areas, storm sewer infrastructure and conveyance routes, and prioritized solutions with a snapshot of proposed solution(s) and cost estimation details.





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