

EXECUTED AND AGREED TO this _____ day of _____, 2019.

City Of San Antonio

**Klotz Associates, Inc. dba RPS
Infrastructure, Inc.**

(Signature)



(Signature)

Printed Name: _____

Printed Name: Luis A. Cuellar, P.E.

Title: _____

Title: Vice President

Date: _____

Date: March 15, 2019

Approved as to Form:

Assistant City Attorney



February 5, 2019

4801 NW Loop 410, Suite
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San Antonio, TX 78229
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Ms. Amy Ronnfeldt, P.E.
Project Manager – Storm Water Engineering
Transportation & Capital Improvements
114 W. Commerce Street, 7th Floor, Room J
San Antonio, Texas 78205

Re: Proposal for Consulting Engineering Support Services
Stormwater Regional Master Plan Phase III

Ms. Ronnfeldt:

As requested, RPS is pleased to provide this cost proposal to City of San Antonio (CoSA) to provide civil engineering services for the above subject project. Our understanding of the project is based on our meeting held on December 19, 2018 with CoSA staff and additional follow-up conversations via e-mail. A summary of the Scope of Work for the six (6) projects and Proposal Breakdown are attached for your review.

We propose to provide these services for a lump sum fee of **\$122,285.00**.

We appreciate the opportunity to work with you on this project and are ready to commence work upon receipt of a notice to proceed. If you have any questions, please feel free to contact me at (210) 736-0425 at your convenience.

Sincerely,

Luis A. Cuellar, P.E.
Vice President

LC:td
Attachments

SCOPE OF WORK

City of San Antonio TCI – Storm Water Regional Master Plan Phase III

February 5, 2019

Project Description

The City of San Antonio (CoSA) has requested for RPS (Engineer) to provide support services to update and/or develop drainage planning studies within the Salado Creek Watersheds to current CoSA Unified Development Code (UDC) and Storm Water Engineering (SWE) criteria.

A list of the planning projects provided by SWE is listed below:

PROJECT LIST – SALADO CREEK & CIBOLO CREEK WATERSHEDS

Project Number	Project Name	Project Limits	Task/Proposed Scope of Project
1065.01	Blanco	Sir Winston to Parliament	Drainage outfall modifications and channel improvements to alleviate flooding.
1069.01	Patricia	Patricia to Blanco Road along channel east of Vista Nogal	Drainage improvements along earthen channel, check outfall
2734.01	Mt Calvary Drainage Improvements	Mt Calvary to Austin Hwy	Drainage Improvements at the Inlet at the intersection of Mt Calvary and Austin Hwy
2735.01	Canyon Cross	Drainage easement along 16507 Canyon Cross	Divert flow coming from Canyon Rim to easement instead of current pattern flowing to driveway and across yard.
	Wyoming	S. Walters to S. Grimes St.	Divert Flow from entering driveways and homes
	Highcliff	Park Entrance	Prevent Erosion along park entrance

The Point of Contact for the Salado Creek and Cibolo Creek Watersheds is Ms. Amy Ronnfeldt, P.E.

Scope of Project Work

A preliminary pre-proposal meeting was held with SWE staff on December 19, 2018 to discuss project background and anticipated scope of work. Based on our understanding of the project, the work to be performed by RPS (Engineer) shall consist of professional services to develop and/or update Preliminary Planning Reports for each of the six (6) planning projects. The detailed scope of work is below:

Task 1 – Data Collection and Preliminary Design Tasks

The following are initial subtasks to be performed:

- Data collection to consist of general geographic area, utilities, record drawings and surveys, field observations, and review of previous studies (to be provided by SWE)
- Review, develop, and update ArcGIS shapefiles and MXD's
- Perform Hydrology Calculations using most recent available Lidar data

- Perform Hydraulic Calculations (to include one or more of the following):
 - Channels
 - Culverts & Outfalls
 - Inlets
 - Streets (Sheetflow)
- Prepare preliminary drainage solution
- Prepare cost estimate based on CoSA provided template and unit pricing
- Prepare Exhibits (to consist of the following):
 - Project Limits
 - Overall Drainage Area Map
 - Interior Drainage Area Map (if needed)
 - Recommended Preliminary Improvements
- Prepare Scoring Matrix based on CoSA provided template
- Evaluate Feasibility for Low Impact Development (LID) measures, green infrastructure, and natural channel design
- Perform Value Engineering, which may include an interim solution that may or may not meet UDC criteria.

Boundary and/or topographic survey is not included in the scope of project work.

Environmental and permitting requirements will be limited to an Edwards Aquifer desktop evaluation.

Floodplain mapping is not anticipated for any of the noted projects, so it is not included in the scope of work.

Task 2 – Preliminary Planning Report (PPR)

The Engineer will develop a preliminary planning report to contain the following information:

- Introduction
 - Summary of Study Area
 - Location Map
 - Summary of Perceived Drainage Issue or Issues
 - Proposed Project/Scope Description
- Data Collection and Background Information
- Project Analysis Approach
 - Modeling and Design Criteria
 - Hydrologic Analysis
 - Overall and Interior Drainage Area Maps
 - Summary of Hydrology Calculations
 - Hydraulic Analysis
 - Summary of Hydraulic Calculations
 - Downstream Impact Analysis
 - Summary of Hydraulic Calculations
 - Low Impact Design (LID) Analysis, if applicable
- Environmental & Permitting Requirements (general desktop findings)
- Opinion of Probable Construction Costs
 - Summary of Methods, Models Used, & Assumptions
 - “PROJECT ESTIMATE SUMMARY FORM” from supplied Cost Estimate
- Appendices
 - Tables

- Hydrologic & Hydraulic Data Summary Tables
- Figures
 - Drainage Area Maps
 - Topographic Work Maps
 - Project Summary/Quad Sheets
 - Model Input & Output Tables

A meeting will be held with SWE team to review draft 70% work effort (Tech Memo with draft summary tables and exhibits). Discuss Value Engineering and interim / phased solutions. Comments received after 70% Review Meeting will be incorporated into 90% Preliminary Planning Report and submitted for review. Comments received after 90% Review Meeting will be incorporated into Final Preliminary Planning Report and submitted for approval / concurrence.

Payment

Payment for this work shall be based on a Lump Sum Basis as follows:
Preparation of Preliminary Planning Report per Project:

#2 – 1065.01 Blanco	\$	20,910
#3 – 1069.01 Patricia	\$	21,840
#6 – 2734.01 Mt Calvary Drainage	\$	19,585
#7 – 2735.01 Canyon Cross	\$	19,645
#8 – Wyoming	\$	20,155
#9 – Highcliff	\$	20,150
TOTAL (6 Project Areas)	\$	122,285

Deliverables

Engineer will provide the following deliverables:

- 70% Review Meeting with SWE
- 90% Preliminary Planning Report
- 100% Preliminary Planning Report

Schedule

70% Review Meeting with SWE	60 calendar days after Notice to Proceed
90% Preliminary Planning Report	60 calendar days after approval of 70% Review
100% Preliminary Planning Report	30 calendar days after approval of 90% PPR