



CITY OF LAREDO

Environmental Services Department

August 20, 2021

Request for Qualifications

Project: Provide Engineering and Modeling Services for a Texas Water Development Board (TWDB) Flood Infrastructure Fund (FIF) funded Study of the Manadas and Zacate Creek Watersheds, Laredo, TX

The City of Laredo will solicit and receive statement of qualifications until 4:00 P.M., on Friday, September 24, 2021 from qualified Consultants interested in providing engineering, surveying and hydraulic modeling services for a TWDB funded Flood Infrastructure Fund (FIF) study of Manadas and Zacate Creek watersheds in Laredo Texas.

BACK GROUND:

Project:

Scope of Work - The engineering contract will encompass all project-related engineering services to the City of Laredo. Below is the basic scope of services including, but are not limited to the following:

Past studies of the Chacon Creek-Rio Grande Basin were performed over 10 years ago utilizing 1D steady state hydraulic modeling. Over the past decade or more, these watersheds have continued to develop with increased impervious cover and multiple changes to channel alignments and overall channel conveyance, resulting in new flood risk areas and changes to previously identified flood prone areas. The City of Laredo has taken aggressive measures to implement more robust flood control practices to help curb impacts of future development, but there is an immediate need to reevaluate the existing flood risk using more robust modeling standards and more accurate NOAA Atlas 14 precipitation estimates. The proposed Chacon Creek – Rio Grande Basin Flood Protection Study will include the following tasks:

- Reevaluation of the entire Manadas and Zacate Creek watersheds;
- Perform topographic field survey of open channel reaches and existing culvert/bridge crossings;
- Develop a new hydrologic model using NOAA Atlas 14 precipitation estimates;
- Develop a new unsteady 1D/2D hydraulic model of study streams;
- Perform an alternative analysis to identify structural and non-structural flood control projects;
- Perform a benefit-cost analysis for each alternative evaluated;
- Perform a flood early warning system evaluation for the region;
- Perform an environmental constraints investigation; and
- Conduct public outreach to gain input on known flood risks throughout the HUC-10 boundary.
- Identification of upstream and downstream impacts (e.g. stage, velocity, duration) of alterations to the floodplain, including change to the extent or depth of the Special Flood Hazard Area (SFHA) or changes to the Base Flood Elevation (BFE)

Submission of Qualifications

Provide two (2) electronic copies on USB sticks, DVD, or CD-ROMs with a response that includes the following:

- 1 One page letter of interest that includes a synopsis and qualifications of the prime firm and sub-consultants, the project manager and primary contact, and the project principle representing the contractual authority of the firm.
- 2 An Organizational chart showing the prime consultant and subconsultants, the proposed relationships between key personnel and support staff who are expected to participate on the project, and which aspects of the work each person will be responsible for performing.
- 3 Profile(s) of firm or team members including number of employees, location, and relevant experience working on similar projects within the last five (5) years. Describe the firm's or team members experience with local governments or other public agencies in the development of similar projects.
- 4 Resumes of the project manager, principal and staff identified as having a major role in the project.
- 5 Provide a brief description of all firms participating in this submittal and its ownership structure. Indicate percentage ownership by women and minorities.
- 6 A description of the proposed approach to the project.
- 7 A detailed timeline for completing the projects.
- 8 Project descriptions for three (3) recent projects of a similar scope performed by the project manager, principal or team members within the last five (5) years. Provide the name of the client (include contact information), description of services provided, key personnel involved, year the project was completed, and estimated cost.
- 9 Disclose any material agreements, relationships, or employment your firm or team members has with any other firm, government agency or other person or entity that may create a conflict of interest or the appearance thereof.

SELECTION PROCESS AND CRITERIA

Process

The City Manager will assemble a review committee to evaluate all responses to this Request for Qualifications. From this review, the committee may select a consultant(s) solely on the basis of submittals, or may additionally identify a short list of individual or team candidates for possible interviews. The committee may contact any or all respondents to clarify submitted information. Upon selection of a firm, firms or individuals based on its evaluation of the respondent's submission, the City will negotiate a scope of services and other terms and conditions of an agreement with the selected firm(s). City intends to evaluate the submissions received and to select one or more firms within thirty (30) days.

Selection Criteria

The City will select the consultant team(s) or individuals that most successfully meet the criteria listed below. The selection criteria and weighting is shown below:

- 1 Demonstrated experience of the consultant team(s) or individuals with TWDB Flood Infrastructure Funding projects, and TWDB Flood Protection Planning Funding projects (40 points).
- 2 Demonstrated experience of the consultant team(s) or individuals with Drainage Master Planning and Large 2D Watershed Modeling expertise. (40 points)
- 3 Qualifications of the key individual(s) and or sub-contractors proposed to provide these services and the overall approach to the project and evidence of the Team's ability to generate creative solutions. (20 points)

Important Considerations

The City reserves the right, at its sole discretion, to 1) reject any or all submittals when, in its opinion, it is determined to be in the public best interest, 2) waive minor informalities of a submittal, 3) cancel, revise, or extend this solicitation, 4) request additional information which the City deems necessary, 5) extract, combine, and delete elements of individual submittals and to negotiate jointly or separately with individual proposers with respect to any or all elements of the proposal.

This Request for Qualifications does not obligate the City to pay any costs incurred by any respondent in the submission of a proposal or in making necessary studies or design for the preparation thereof, or for procuring or contracting for the services to be furnished under this request for qualifications. The City, encourages local participation and may give preference to Laredo firms when all considerations with other firms are equal. Firms submitting interest statements should be ready to contract within five (15) days after notifications of recommendation for award. The City of Laredo reserves the right to reject any or all submittals received and to award contract only upon availability of funding.

City may choose to negotiate separate contracts for the projects and may choose to select different firms for the individual projects.

Questions concerning the RFQ should be directed to Mr. John Porter, Director at 956-794-1650. Interested consultant firms should submit the qualifications consisting of the minimum number of typewritten pages sufficient to provide necessary information to:

John Porter, Director
Environmental Services Department
619 Reynolds Street;
Laredo, Texas 78040
(956) 794-1650

PUBLIC NOTICE

REQUEST FOR QUALIFICATIONS

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- Conduct public outreach to gain input on known flood risks throughout the HUC-10 boundary.
- Identification of upstream and downstream impacts (e.g. stage, velocity, duration) of alterations to the floodplain, including change to the extent or depth of the Special Flood Hazard Area (SFHA) or changes to the Base Flood Elevation (BFE)

The consultant(s) selected must have demonstrated prior experience in designing and utilizing alternative technologies for similar projects.

Interested consultant firms should submit two (2) electronic copies on USB sticks, DVD, or CD-ROMs of submittals and must contain the minimum number of typewritten pages sufficient to provide necessary information to:

John Porter, Director
Environmental Services Department
619 Reynolds Street;
Laredo, Texas 78040
(956) 794-1650

Firms submitting interest statements should be ready to negotiate a contract within fifteen (15) days after notifications of recommendation for award.

The City of Laredo reserves the right to reject any or all submittals received and to award contract. Questions concerning the Request for Proposal should be directed to Mr. John Porter, Director at 956-794-1650.