



## SCOPE OF SERVICES

Solicitation Number: CLMP127

Project Name: ABIA Stormwater Drainage Improvements

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### **PROJECT FOR:**

City of Austin Aviation Department through its Contract Management Department

### **PROJECT TITLE:**

ABIA Stormwater Drainage Improvements

### **OBJECTIVES OF THE PROJECT:**

The City anticipates contracting with one firm to provide stormwater drainage improvements and associated consulting services to the City of Austin Department of Aviation at Austin-Bergstrom International Airport (ABIA).

### **BACKGROUND:**

Environmental and Engineering services are needed to address stormwater drainage areas and infrastructure in need of maintenance and/or improvements to better facilitate stormwater drainage, reduce potential impacts on the receiving water bodies, and ensure environmental compliance. ABIA's stormwater drainage areas and infrastructure has been studied and improvements have been identified in the Stormwater Drainage Master Plan. Major improvements are needed at two of ABIA's major outfalls to Onion Creek in which stormwater has caused significant erosion immediately downstream. In addition, several of ABIA's water quality ponds and associated features need to be reconditioned to ensure functionality. Additional drainage areas and features have been identified that need repairs, maintenance and/or improvements; some of the issues identified in these areas include high velocity flow; erosion; damaged infrastructure; insufficient drainage; inoperable gates and pumps; accumulated sediment; and poor grading.

### **SOFTWARE COMPETENCY**

The selected firm and/or their sub-consultants shall have competency in the following software:

- Operating System: Microsoft Windows XP Professional SP2 (32-bit), Vista, Windows 7 or later version
- Office Productivity: Microsoft Office 2010 or later
- Document Imaging: Adobe Acrobat 9.0 or later
- GIS Packages: ESRI ArcGIS 10.0 or later
- AutoCAD: Civil 3D 2012 or later
- Hydrologic Model: HEC-HMS 3.5 or later

- Hydraulic Model: HEC-RAS 4.1 or later
- Hydraulic/hydrologic Model: USEPA SWMM 5 or later

**ANTICIPATED SERVICES:**

Anticipated services shall include the following:

- Professional engineering services to provide a Preliminary Engineering Report 2-3 months, Construction Documents 3-5 months, and Bidding and Construction as determined during design.
- Professional engineering services during the above deliverables to oversee all aspects of engineering design, including installation of and repairs to stormwater outfalls, ponds, and other infrastructure (concrete and metal work), earth work, mechanical and electrical work (gate and pump repairs), sediment/sand removal, hydrologic and hydraulic modeling, and waste/material management.
- GIS services, including the availability of field personnel to obtain and record observations and data.
- CADD services.

On-site (field) staff will require unescorted access into restricted areas of the airport and thus will be required to submit to a fingerprint-based ten-year criminal history records check (CHRC) and Security Threat Assessment (STA). If the process confirms no disqualifying criminal offenses, the Department of Aviation (DOA) Security and ID Office will issue a security access badge for the duration of and sole use for the project.

**EXPECTED QUALIFICATIONS:**

- Knowledgeable of all applicable federal, state and city environmental regulations, including, but not limited to, City of Austin Land Development Code; Environmental Criteria Manual; Drainage Criteria Manual; Clean Water Act Section 402 and 404 including National Pollutant Discharge Elimination Standards (NPDES) and Texas Pollutant Discharge Standards (TXPDES); and stormwater management and control regulations.
- The City expects the selected firm will have the capability to develop construction drawings and specifications, and prepare construction cost estimates.

**PROPOSED SCHEDULE:**

The City anticipates executing a professional services agreement with the selected firm as follows: Preliminary Engineering Report 2-3 months, Construction Documents 3-5 months, and Bidding and Construction as determined during design.

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**COST ESTIMATE:**

The total contracting authority for the Stormwater Drainage Improvements project (design & construction) is \$2,500,000. The City anticipates developing and executing a professional services agreement with the selected firm.

**POTENTIAL SUBCONSULTANT/VENDOR OPPORTUNITIES:**

Below is a list of *potential* subconsultant opportunities on this project. This listing is not a guarantee that each of the scopes listed below will materialize on this contract. If the prime consultant intends to enter into a subconsulting agreement on a scope of work not listed below, the prime consultant is required to contact SMBR and request an updated availability list of certified firms in each of the scopes of work for which the prime consultant intends to utilize a subconsultant

**Major Scopes of Work**

\*Civil Engineering

\*Environmental Engineering and Testing

**Other Scopes of Work**

Electrical Engineering

Mechanical Engineering

Structural Engineering

Permitting Services

Cost Estimating Services

\* There must be representation for all major scopes of work listed. The experience of the firms listed to perform the Major Scopes of Work, whether a subconsultant or prime firm, will be evaluated under Consideration Item 6 – Major Scopes of Work – Comparable Project Experience.

**Notes:**

- Participation at the prime or subconsultant level may create a conflict of interest and thus necessitate exclusion from any contracts resulting from the work performed in the design phase.
- If the City determines that a conflict of interest exists at the prime or subconsultant level, the City reserves the right to replace/remove the prime or instruct the prime consultant to remove the subconsultant with the conflict of interest and to instruct the prime consultant to seek a post-award change to the prime consultant's compliance plan as described in City Code § 2-9B-23. Such substitutions will be dealt with on a case-by-case basis and will be considered for approval by Small and Minority Business Resources (SMBR) in the usual course of business. The City's decision to remove a prime or subconsultant because of a conflict of interest shall be final.

- Construction Inspection and Public Information and Communications are **NOT** subconsultant opportunities. These services will be performed in-house or under a separate contract, if needed, and will be determined when project assignment is made.