



SCOPE OF SERVICES

Solicitation Number: CLMP120

Project Name: ABIA Environmental and Engineering Services

PROJECT FOR:

CITY OF AUSTIN, DEPARTMENT OF AVIATION, THROUGH ITS CONTRACT MANAGEMENT DEPARTMENT

PROJECT TITLE:

Austin-Bergstrom International Airport (ABIA) Environmental and Engineering Services

OBJECTIVES OF THE PROJECT:

The City anticipates contracting with one firm to provide on-call environmental, civil engineering, and sustainability management consulting services to the City of Austin Department of Aviation. The selected firm will provide consultation and professional services to support environmental compliance, sustainability management and site development permitting at ABIA.

BACKGROUND:

Environmental and Engineering services are needed to support expansion and operations at ABIA, Austin's primary commercial airport. The Austin community supports sustainable operations and growth using various models. ABIA embraces the triple bottom line philosophy of sustainability. ABIA will continue to focus on how its operations and expansion impact the community; the natural environment and Austin's economy.

EXPECTED QUALIFICATIONS:

- Knowledgeable of all applicable federal, state and city environmental regulations, including, but not limited to, City of Austin Land Development Code and Environmental Criteria Manual; Clean Air Act; Clean Water Act including National Pollutant Discharge Elimination Standards (NPDES) and Texas Pollutant Discharge Standards (TXPDES); Comprehensive Environmental Response, Compensation and Liability Act (CERCLA); Emergency Planning Community Right to Know Act (EPCRA); Resource Conservation and Recovery Act (RCRA); Texas Risk Reduction Program (TRRP); National Emissions Standard for Hazardous Air Pollutants (NESHAPs); Toxic Substances Control Act (TSCA); CFR 14 Part 150 (aviation noise), National Environmental Policy Act (NEPA); storm water management and control regulations; spill prevention, control and countermeasure plans; publicly owned treatment works (POTW) permitting; site remediation work plans, including TCEQ Voluntary Cleanup Programs; and landfill monitoring and closure.

- The City expects the selected firm to be experienced in contaminated soil and groundwater site investigations and remediation; industrial and construction storm water management and control plans; all phases of environmental site assessments; air quality monitoring; and ground and surface water monitoring.
- The City expects the selected firm will have the capability to develop environmental construction drawings and specifications, and prepare construction cost estimates. In addition, the firms must have the capability to prepare independent fee estimates for environmental services on federally-funded projects.
- Ability to provide rapid-response professional consulting services that may be needed to address environmental emergencies.

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
- FAA Emissions and Dispersion Modeling System (EDMS)

ANTICIPATED SERVICES:

The selected firm will support the airport as needed to meet its sustainable goals. The scope of the projects will include but not limited to the following:

Environmental Consulting (Air, Water, Waste, Emergency Planning, etc.)

- The selected firm will provide all environmental services related to studies, sampling, testing, analyses, recommendations, designs, regulatory review and/or construction management for projects that may involve: environmental assessments; petroleum storage tank issues; storm water pollution prevention plans; spill response plans; spill prevention and countermeasures plans; site remediation; landfills and recycling; indoor and outdoor air quality monitoring; soil monitoring; surface water monitoring; groundwater monitoring; hazardous and non-hazardous waste analysis; hazardous waste profiling; transport and/or disposal; asbestos and lead surveys; airport emissions modeling; aviation noise services; waste diversion planning; alternative energy (solar);

health and safety assessments or plans; or environmental permit requirements necessary to operate; develop and maintain a medium-hub international airport.

Airport National Environmental Policy Act (NEPA)

- The selected firm will provide National Environmental Policy Act (NEPA) services to support future airport development. The firm is expected to have extensive knowledge of FAA Orders 5050.4B and 1050.1E. The firm should be experienced in completing the categorical exclusion and environmental assessment process as well as developing environmental impact statements.

Sustainability Program Management Plan

- The airport seeks solutions from the consulting community on developing and implementing a sustainability management plan for ABIA. The plan should embrace a holistic view of sustainability incorporating ABIA's sustainable future pillars (economic, social, operations, and environment). The primary focus areas include: reducing life cycle costs of capital assets; reducing operational costs; reducing environmental footprint; enhancing airport user experience; improving stakeholder and tenant relationships; document airport's local contributions; and improving airport employee engagement. The plan will also need to incorporate local municipal mandates (LEEDs construction goals, Zero Waste Goals, Renewable Power Usage, Water Management Plan, Minority Business Enterprise Goals) that the airport adheres to. The plan should be a tool to set goals, track performance, push improvement and report outcomes using the Global Reporting Initiative (GRI) format.
- The selected firm shall have experience developing and implementing environmental management systems at airports. The firm should have extensive knowledge of ISO 14001 standards.
- The selected firm should be experienced in engineering and financial practices required to evaluate capital expenditures and operational practices that could increase overall airport costs including maintenance and consumable costs. Firm will perform cost benefit analysis evaluations, comprehensive return on investment evaluations and life-cycle analysis for lighting systems, HVAC systems, baggage systems, renewable energy, alternative fuel, LEEDs, water fixtures, etc.

Site Development Permitting

- The City expects the firm to have experience permitting construction projects within the City of Austin's jurisdiction following the City of Austin Land Development Code and Environmental Criteria Manual. Assist ABIA staff with implementation of its site specific development ordinance. This will require knowledge City of Austin approved hydrologic and hydraulic models as wells as the more detailed EPASWMM model. The selected

firm will maintain ABIA models, track net site area and impervious cover, and assist ABIA with future site development permitting.

Additional Qualifications and Services will Include:

- Hydrologic / Hydraulic Modeling
- The City expects that the selected firms will employ licensed professionals such as Texas-licensed engineers, geologists, hydrologists, environmental managers, hazardous material managers, LEEDs site assessors, laboratory technicians, and field technicians all certified or registered with professionally recognized organizations and all experienced in their areas of specialty, including 40 hour Occupational Safety and Health Administration (OSHA) training, as necessary. All applicable and required licenses, certifications and registrations must be current.
- The City expects analytical laboratories to be capable of performing the required tests to support professionals engaged in environmental projects. The laboratory services must be performed by a laboratory properly accredited in accordance with the International Standards Organization (ISO)/International Electrochemical Commission (IEC) Standard 17025. The City will require evidence of such accreditation on an annual basis for the duration of the contract. The City shall be allowed to inspect or audit the laboratories upon request. Environmental laboratories producing data for decisions relating to TCEQ permits, authorizations, compliance actions, enforcement actions, corrective actions, characterizations of an environmental processes or conditions, or assessments of an environmental processes or conditions must be accredited or certified according to Title 30, Texas Administrative Code, Chapter 25.
- Provide service to assist the airport in developing plans or studies to support FAA Part 150 Study and FAA Emission Dispersion Modeling Software
- Create educational documentation using video productions and other current technology tools

PROPOSED SCHEDULE:

The anticipated total completion time for this agreement is approximately three (3) years from the date of contract execution or until the authorized funding is expended.

COST ESTIMATE:

The funding authority for this project is \$1,050,000.

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

- Environmental Consulting (Air, Water, Waste, Emergency Planning, etc.)
- Civil Engineering
- Airport Planner - Airport National Environmental Policy Act (NEPA)
- Lab and Field Testing Services
- Sustainability Consultant
- Site Development/Permitting

Other Scopes of Work

- Reproduction 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** a subconsultant opportunity. These services will be preformed in-house or under a separate contract, if needed, and will be determined when project assignment is made.