

Memorandum



Date: April 18, 2018

To: Gary Hartfield, Division Director
Internal Services Department, Small Business Development

From: Milton L. Collins, Associate Director 
Miami-Dade Aviation Department, Minority Affairs Division

Subject: Recommendation of Contract Measures Request:
Fueling Systems Consulting Services at MIA & GAA
Project No. E18-MDAD-01

RECOMMENDATION:

This is a request for Small Business Development (SBD) to approve the subject project in order for the Department to proceed in obtaining a Small Business Development Project Worksheet for the Fueling Systems Consulting Services at MIA & GAA, Project No. E18-MDAD-01.

The Minority Affairs Division and the User Department staff have evaluated the subject project and recommend a **15% SBE/Architectural & Engineering (SBE-A/E) and a .30% SBE/Goods & Services (SBE-G/S) project goal.** The suggested SBE-A/E and SBE-G/S sub-consultant items are listed on the attached Services Description Form attached.

The Contract Estimated Amount is for two (2) Agreements each \$3,000,000.00 for a total of \$6,000,000.00. The term of the Agreement will be for Seven (7) years.

DESCRIPTION OF PROJECT:

The Scope shall include, but not limited to, design services and preparation of contract documents for the upgrade and maintenance, repair and/or construction of the aviation fuel storage and distribution systems and proposed utility facilities under MDAD jurisdiction including but not limited to Midfield vehicular gas station, west load rack facility and diesel and gasoline tanks, employee emergency vehicular fuel tank; hydraulic modeling and planning services, value appraisal of aviation fueling system and any other component related to it, equipment, and facilities; emergency consulting services; construction management and inspection services; environmental regulatory project associated with the fuel facility consent orders and agreements; providing recommendations and inspections for maintenance repairs of fueling facilities and reviewing proposed maintenance work estimates; update the fueling Atlas and Master plan, Consulting, design and work site services for any work associated with the fueling systems fire protection and detection systems; CCTV, electrical, structural improvements any other work associated with fueling systems at MIA and General Airports.

Technical Certification Category Prime:

4.01 Aviation Systems – Engineering Design (60%)
17.00 Engineering Construction Management (25%)

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Sub-consultants:

10.05 Environmental Engineering – Contamination Assessment and Monitoring (3%)
10.06 Environmental Engineering – Remedial Action Plan Design (2%)
11.00 General Structural Engineering (5%)
16.00 General Civil Engineering (5%)

Recommended SBE A/E and G/S Measures:

SBE-A/E 15% goal and .30% SBE-G/S goal–Commodity Code 96600 - Printing & Typesetting Services

PROJECT PREFERRED EXPERIENCE:

Professional Engineering firms are preferred to have experience in planning, feasibility studies, design, and construction phase services for large commercial airports' aviation fueling systems.

Respondent teams should be experienced and knowledgeable in performing hydraulic modeling of aviation fueling systems, both steady state and transient behavior, designing leak detection systems for underground fuel piping, fire suppression systems and hydrant fuel system with double and single walled piping meeting the State of Florida Department of Environmental protection requirements.

Please advise our office if additional information is needed.

Attachments

c: L. Johnson, SBD
M. Clark-Vincent, MDAD
P. Hernandez, MDAD
N. Pantoja, MDAD
G. Leal, MDAD
C. Corrales, MDAD
File

MDAD's CONTRACT MEASURES AND ANALYSIS WORKSHEET

To: Gary Hartfield, Division Director
Internal Services Department, Small Business Development

From: Milton L. Collins, Associate Director
Miami-Dade Aviation Department
Minority Affairs Division



PROJECT/CONTRACT TITLE: Fueling Systems Consulting Services at
MIA & GAA

PROJECT/CONTRACT NUMBER: E18-MDAD-01

DEPARTMENT: Miami Dade Aviation Department

ESTIMATED PROJECT COST: Two (2) Agreements at \$3,000,000.00 each
for a total of \$6,000,000.00

FUNDING SOURCE: Aviation Revenue Funds

DESCRIPTION OF PROJECT/BID:

Professional Engineering firms are preferred to have experience in planning, feasibility studies, design, and construction phase services for large commercial airports' aviation fueling systems. Respondent teams should be experienced and knowledgeable in performing hydraulic modeling of aviation fueling systems, both steady state and transient behavior, designing leak detection systems for underground fuel piping, fire suppression systems and hydrant fuel system with double and single walled piping meeting the State of Florida Department of Environmental protection requirements.

CONTRACT MEASURES RECOMMENDATION:

Measures: SBE-A/E – 15%
SBE-G/S - .30%

REASONS FOR RECOMMENDATION:

Analysis of the factors contained in Implementing Order #3-32 SBE-Architectural & Engineering and Implementing Order #3-41 SBE Goods & Services Program Goals are appropriate for this contract.

CAT. NO.	SERVICE DESCRIPTION *	PRIME CONSULTANT	SUB-CONSULTANT	PERCENT OF TOTAL CONSULTANT FEE
1.00	TRANSPORTATION PLANNING			
	1.01 URBAN AREA AND REGIONAL TRANSPORTATION PLANNING			
	1.02 MASS AND RAPID TRANSIT PLANNING			
	1.03 AVIATION SYSTEMS AND AIRPORT MASTER PLANNING			
	1.04 PORT AND WATERWAY SYSTEMS PLANNING			
2.00	MASS TRANSIT SYSTEMS			
	2.01 MASS TRANSIT PROGRAM (SYSTEMS) MANAGEMENT			
	2.02 MASS TRANSIT FEASIBILITY & TECHNICAL STUDIES			
	2.03 MASS TRANSIT VEHICLE & PROPULSION STUDIES			
	2.04 MASS TRANSIT CONTROLS, COMMUNICATIONS, & INFORMATION SYSTEMS			
	2.05 GENERAL QUALITY ENGINEERING			
	2.06 MASS TRANSIT SAFETY CERTIFICATION FOR SYSTEM ELEMENTS			
3.00	HIGHWAY SYSTEMS			
	3.01 SITE DEVELOPMENT AND PARKING LOT DESIGN			
	3.02 HIGHWAY DESIGN			
	3.02A TUNNEL DESIGN			
	3.03 BRIDGE DESIGN			
	3.04 TRAFFIC ENGINEERING STUDIES			
	3.05 TRAFFIC COUNTS			
	3.06 TRAFFIC CALMING			
	3.07 TRAFFIC SIGNAL TIMING			
	3.08 INTELLIGENT TRANSPORTATION SYSTEMS ANALYSIS, DESIGN, AND IMPLEMENTATION			
	3.09 SIGNING, PAVEMENT MARKING, AND CHANNELIZATION			
	3.10 LIGHTING			
	3.11 SIGNALIZATION			
	3.12 UNDERWATER ENGINEERING INSPECTION			

MIAMI INTERNATIONAL AIRPORT

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CAT. NO.	SERVICE DESCRIPTION *	PRIME CONSULTANT	SUB-CONSULTANT	PERCENT OF TOTAL CONSULTANT FEE
4.00	AVIATION SYSTEMS			
	4.01 ENGINEERING DESIGN	60%		60%
	4.02 ARCHITECTURAL DESIGN			
5.00	PORT AND WATERWAY SYSTEMS			
	5.01 ENGINEERING DESIGN			
	5.02 ARCHITECTURAL DESIGN			
	5.03 CRUISE TERMINAL DESIGN			
	5.04 CRUISE TERMINAL EQUIPMENT DESIGN			
	5.05 CARGO TERMINAL DESIGN			
	5.06 CARGO TERMINAL EQUIPMENT DESIGN			
	5.07 SECURITY SYSTEMS			
	5.08 MARINE ENGINEERING DESIGN			
	5.09 ENVIRONMENTAL DESIGN			
	5.10 TRANSPORTATION SYSTEMS DESIGN			
	5.11 CONSTRUCTION MANAGEMENT			
6.00	WATER AND SANITARY SEWER SYSTEMS			
	6.01 WATER DISTRIBUTION AND SANITARY SEWAGE COLLECTION AND TRANSMISSION SYSTEMS			
	6.02 MAJOR WATER AND SANITARY SEWAGE PUMPING FACILITIES			
	6.03 WATER AND SANITARY SEWAGE TREATMENT PLANTS			
7.00	SOLID WASTE COLLECTION AND DISPOSAL SYSTEMS			
8.00	TELECOMMUNICATION SYSTEMS			
9.00	SOILS, FOUNDATIONS AND MATERIALS TESTING			
	9.01 DRILLING, SUBSURFACE INVESTIGATION AND SEISMOGRAPHIC SERVICES			
	9.02 GEOTECHNICAL AND MATERIALS ENGINEERING SERVICES			
	9.03 CONCRETE AND ASPHALT TESTING SERVICES			
	9.04 NON-DESTRUCTIVE TESTING AND INSPECTIONS			
	9.05 ROOF TESTING AND CONSULTING			

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	9.06 MATERIALS TESTING/CONSULTING/TRAINING			
	INDUSTRIAL HYGIENE			
	ASBESTOS			
	AMBIENT AIR			
	BIO-HAZARDOUS			
	OSHA			
10.00	ENVIRONMENTAL ENGINEERING			
	10.01 STORMWATER DRAINAGE DESIGN ENGINEERING SERVICES			
	10.02 GEOLOGY SERVICES			
	10.03 BIOLOGY SERVICES			
	10.04 CHEMISTRY SERVICES			
	10.05 CONTAMINATION ASSESSMENT AND MONITORING		3%	3%
	10.06 REMEDIAL ACTION PLAN DESIGN		2%	2%
	10.07 REMEDIAL ACTION PLAN IMPLEMENTATION/OPERATION/MAINTENANCE			
	10.08 PATHOGEN AND CONTAINMENT RISK ANALYSIS			
	10.09 WELLFIELD, GROUNDWATER, AND SURFACE WATER PROTECTION AND MANAGEMENT			
	10.10 COASTAL PROCESSES AND OCEAN ENGINEERING			
11.00	GENERAL STRUCTURAL ENGINEERING		5%	5%
12.00	GENERAL MECHANICAL ENGINEERING			
13.00	GENERAL ELECTRICAL ENGINEERING			
14.00	ARCHITECTURE			
15.00	SURVEYING AND MAPPING			
	15.01 LAND SURVEYING			
	15.02 AERIAL PHOTOGRAMMETRY			
16.00	GENERAL CIVIL ENGINEERING		5%	5%
17.00	ENGINEERING CONSTRUCTION MANAGEMENT	25%		25%
18.00	ARCHITECTURAL CONSTRUCTION MANAGEMENT			

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CAT. NO.	SERVICE DESCRIPTION	PRIME CONSULTANT	SUB-CONSULTANT	PERCENT OF TOTAL CONSULTANT FEE
19.00	VALUE ANALYSIS AND LIFE-CYCLE COSTING			
	19.01 TRANSPORTATION PLANNING			
	19.02 MASS TRANSIT SYSTEMS			
	19.03 HIGHWAY SYSTEMS			
	19.04 AVIATION SYSTEMS			
	19.05 PORT AND WATERWAY SYSTEMS			
	19.06 WATER AND SANITARY SYSTEMS			
	19.07 SOLID WASTE COLLECTION AND DISPOSAL SYSTEMS			
	19.08 TELECOMMUNICATION SYSTEMS			
	19.09 SOILS, FOUNDATIONS, AND MATERIALS TESTING			
	19.10 ENVIRONMENTAL ENGINEERING			
	19.11 GENERAL STRUCTURAL ENGINEERING			
	19.12 GENERAL MECHANICAL ENGINEERING			
	19.13 GENERAL ELECTRICAL ENGINEERING			
	19.14 ARCHITECTURE			
	19.15 GENERAL CIVIL ENGINEERING			
	19.16 LANDSCAPE ARCHITECTURE			
20.00	LANDSCAPE ARCHITECTURE			
21.00	LAND USE PLANNING			
22.00	ADA TITLE II CONSULTANT			
23.00	AVIATION ACOUSTICAL AND LAND USE COMPATIBILITY PLANNING			

*Detailed descriptions of certification categories may be obtained from MDAD Contracts Administration.

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