

# Memorandum



**Date:** July 18, 2017

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

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

**Subject:** Contract Measures Recommendation:  
Utilities Master Plan (Water)  
Project No. E17-MDAD-03

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## **RECOMMENDATION:**

This is a request for Small Business Development (SBD) to approve the subject project in order for the Aviation Department to proceed with the Utilities Master Plan (Water), Project No. E17-MDAD-03.

The Term of the Agreement will be for One (1) Professional Services Agreements (PSA) with a six (6) year effective term, plus two (2) one-year extensions. The Contract Estimated Amount is \$2,000,000.00. The Miami-Dade Aviation Department staff has reviewed the subject project and recommends a 10% SBE/A & E and a 0.75% SBE/G & S Program Goal.

## **PROJECT DESCRIPTION:**

The project will consist of the update and maintenance of the water master plans for Miami-Dade Aviation Department (MDAD) facilities. The Scope of Services associated to this task shall include: collecting and reviewing as-built data, field verifying as-built conditions, updating the utility atlas, updating the existing modeling scenario, re-establish the future modeling scenarios, update the master plan document, review and update the MDAD design guideline, review and update the technical specifications and assist the Department with environmental and permitting issues. The teaming restrictions will be the following: Consultants electing to submit as a prime will be limited to participation on a single team and may not participate on any other team as a sub-consultant. Consultants electing to submit as a sub-consultant may only participate on three (3) teams.

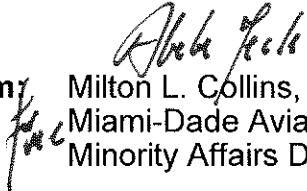
Please advise our office if additional information is needed.

## Attachments

c: L. Johnson, SBD  
P. Hernandez, MDAD  
M. Clark-Vincent, MDAD  
A. Cordova-Jimenez, 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:** Utilities Master Plan (Water)  
**PROJECT/CONTRACT NUMBER:** E17-MDAD-03  
**DEPARTMENT:** Miami Dade Aviation Department  
**ESTIMATED PROJECT COST:** \$2,000,000.00  
**FUNDING SOURCE:** Multi Year Operating Budget

**DESCRIPTION OF PROJECT/BID:**

The project will consist of the update and maintenance of the water master plans for Miami-Dade Aviation Department (MDAD) facilities. The Scope of Services associated to this task shall include: collecting and reviewing as-built data, field verifying as-built conditions, updating the utility atlas, updating the existing modeling scenario, re-establish the future modeling scenarios, update the master plan document, review and update the MDAD design guideline, review and update the technical specifications and assist the Department with environmental and permitting issues. The teaming restrictions will be the following: Consultants electing to submit as a prime will be limited to participation on a single team and may not participate on any other team as a sub-consultant. Consultants electing to submit as a sub-consultant may only participate on three (3) teams.

**CONTRACT MEASURES RECOMMENDATION:**

Measures: SBE/Architectural & Engineering 10%  
SBE/Goods & Services 0.75%

**REASONS FOR RECOMMENDATION:**

Analysis of the factors contained in Implementing Order #3-32 indicates that the SBE-Architectural & Engineering 10% and Implementing Order #3-41 SBE/Goods & Services 0.75% Program Goal(s) are appropriate for this contract.

**MDAD Recommendations:**

**Small Business Enterprise – Architectural And Engineering  
(SBE – A&E) Goal**

**Small Business Enterprise – Goods and Services  
(SBE-G&S) Goal**

**Project Number: E17-MDAD-03**

**Project Title: Utilities Master Plan (Water)**

**SBE-A&E Breakdown Recommendation**

**(\*) No. of PSA(s): One (1)**

**(\*) PSA Base Estimate: \$2,000,000.00  
(Primary Services)**

**(\*) SBE-A&E Goal Recommendation: 10% goal**

**See breakdown below:**

**15.01 Surveying and Mapping – Land Surveying - 10%**

**(\*) SBE- G&S Goal Recommendation: 0.75% goal**

**See breakdown below:**

**0.75% - Printing and Typesetting (96600)**



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			
	1.04 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 STUDIES & 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 MAJOR HIGHWAY DESIGN			
	3.02A TUNNEL DESIGN			
	3.02B MINOR HIGHWAY 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			
4.00	AVIATION SYSTEMS			
	4.01 ENGINEERING DESIGN	✓		20%
	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			
6.00	WATER AND SANITARY SEWER SYSTEMS			
	6.01 WATER DISTRIBUTION AND SANITARY SEWAGE COLLECTION AND TRANSMISSION SYSTEMS	✓		70%
	6.01(A) UTILITY TUNNELING FOR WATER DISTRIBUTION AND SANITARY SEWAGE COLLECTION AND TRANSMISSIONS SYSTEMS			
	6.02 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			
	9.06 ASBESTOS			
	9.07 AMBIENT AIR			
	9.08 BIO-HAZARDOUS			
	9.09 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			
	10.06 REMEDIAL ACTION PLAN DESIGN			
	10.07 REMEDIAL ACTION PLAN IMPLEMENTATION/OPERATION/MAINTENANCE			
	10.08 PATHOGEN AND CONTAMINANT RISK ANALYSIS			
	10.09 WELLFIELD, GROUNDWATER, AND SURFACE WATER PROTECTION AND MANAGEMENT			
	10.10 COASTAL PROCESSES AND OCEAN ENGINEERING			
11.00	GENERAL STRUCTURAL ENGINEERING			
12.00	GENERAL MECHANICAL ENGINEERING			
13.00	GENERAL ELECTRICAL ENGINEERING			
14.00	ARCHITECTURE			
15.00	SURVEYING AND MAPPING			
	15.01 LAND SURVEYING		✓	10%
	15.02 AERIAL PHOTOGRAMMETRY			
	15.03 UNDERGROUND UTILITY LOCATION			
	15.04 HYDROGRAPHIC SURVEYS			
16.00	GENERAL CIVIL ENGINEERING			
17.00	ENGINEERING CONSTRUCTION MANAGEMENT			
18.00	ARCHITECTURAL CONSTRUCTION MANAGEMENT			
19.00	VALUE ANALYSIS AND LIFE-CYCLE COSTING			
	19.01 TRANSPORTATION PLANNING			
	19.01(A) TRANSPORTATION PLANNING-LIFE CYCLE COSTING SERVICES			
	19.02 MASS TRANSIT SYSTEMS			
	19.02(A) MASS TRANSIT SYSTEMS-LIFE CYCLE COSTING SERVICES			
	19.03 HIGHWAY SYSTEMS			
	19.03(A) HIGHWAY SYSTEMS-LIFE CYCLE COSTING SERVICES			



	19.04 AVIATION SYSTEMS			
	19.04(A) AVIATION SYSTEMS-LIFE CYCLE COSTING SERVICES			
	19.05 PORT AND WATERWAY SYSTEMS			
	19.05(A) PORT AND WATERWAY SYSTEMS-LIFE CYCLE COSTING SERVICES			
	19.06 WATER AND SANITARY SYSTEMS			
	19.06(A) WATER AND SANITARY SYSTEMS-LIFE CYCLE COSTING SERVICES			
	19.07 SOLID WASTE COLLECTION AND DISPOSAL SYSTEMS			
	19.07(A) SOLID WASTE COLLECTION AND DISPOSAL SYSTEMS-LIFE CYCLE COSTING SERVICES			
	19.08 TELECOMMUNICATION SYSTEMS			
	19.08(A) TELECOMMUNICATION SYSTEMS-LIFE CYCLE COSTING SERVICES			
	19.09 SOILS, FOUNDATIONS, AND MATERIALS TESTING			
	19.09(A) SOILS, FOUNDATIONS, AND MATERIALS TESTING-LIFE CYCLE COSTING SERVICES			
	19.10 ENVIRONMENTAL ENGINEERING			
	19.10(A) ENVIRONMENTAL ENGINEERING-LIFE CYCLE COSTING SERVICES			
	19.11 GENERAL STRUCTURAL ENGINEERING			
	19.11(A) GENERAL STRUCTURAL ENGINEERING-LIFE CYCLE COSTING SERVICES			
	19.12 GENERAL MECHANICAL ENGINEERING			
	19.12(A) GENERAL MECHANICAL ENGINEERING-LIFE CYCLE COSTING SERVICES			
	19.13 GENERAL ELECTRICAL ENGINEERING			
	19.13(A) GENERAL ELECTRICAL ENGINEERING-LIFE CYCLE COSTING SERVICES			
	19.14 ARCHITECTURE			
	19.14(A) ARCHITECTURE-LIFE CYCLE COSTING SERVICES			
	19.16 GENERAL CIVIL ENGINEERING			
	19.16(A) GENERAL CIVIL ENGINEERING-LIFE CYCLE COSTING SERVICES			
	19.20 LANDSCAPE ARCHITECTURE			
	19.20(A) LANDSCAPE ARCHITECTURE-LIFE CYCLE COSTING SERVICES			
20.00	LANDSCAPE ARCHITECTURE			
21.00	LAND USE PLANNING			
22.00	ADA TITLE II CONSULTANT			



23.00	AVIATION ACOUSTICAL AND LAND USE COMPATIBILITY PLANNING			
24.00	BUILDING PRODUCT EVALUATION SERVICES			
	24.01 PANEL WALLS			
	24.02 EXTERIOR DOORS			
	24.03 ROOFING PRODUCTS			
	24.04 SKYLIGHTS			
	24.05 WINDOWS			
	24.06 SHUTTERS			
	24.07 STRUCTURAL COMPONENTS			
25.00	AVIATION PLANNING CONSULTANT SERVICES			
26.00	CLAIMS ANALYSIS SERVICES			

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