

Memorandum



Date: June 22, 2016

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
General MEP Engineering & Design Services
ISD Project No. E16-MDAD-07

RECOMMENDATION:

This is a request for the Small Business Development (SBD) to approve the subject project in order for the Aviation Department to proceed with the approval for the **General MEP Engineering & Design Services, ISD Project No. E16-MDAD-07**. The Minority Affairs Division and the User Division staff have evaluated the subject project and recommends an **SBE/A&E Goal of 15%**. Attached is MDAD's Services Description Breakdown and Contract Measures Analysis Worksheet findings, and other supporting documents.

The Term of the three (3) Professional Services Agreements (PSA), each, with a five (5) year effective term. The contract estimated amount will be \$2,000,000.00, each/\$6,000,000.00, total.

SCOPE OF SERVICES:

The project involves renovations and improvements of Mechanical, Electrical, Plumbing and Fire Suppression Systems Terminal-wide. These are multiple projects and require specialties such as paging systems as well as evaluations of A/C mechanical room. The selected prime awarded a Professional Services Agreement under A16-MDAD-02: Terminal Optimization Program (TOP) – Project Support Services, will be precluded from being part of a team awarded any future TOP project.

Please advise our office if additional information is needed to complete this process.

Attachments

cc: L. Johnson, SBD
E. Etienne, SBD
P. Hernandez, MDAD
A. Bao-Garciga, MDAD
M. Clark-Vincent, MDAD
A. Cordova-Jimenez, MDAD
P. Betancourt, 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: General MEP Engineering & Design Services

PROJECT/CONTRACT NUMBER: E16-MDAD-07

DEPARTMENT: Miami Dade Aviation Department

ESTIMATED PROJECT COST: Three (3) PSA's
PSA Base Estimate: \$2,000,000.00, Each/
\$6,000,000.00 Total (Primary Services)

PSA Cost Estimate: \$2,205,000.00, Each/
\$6,615,000.00 Total (inclusive of all
Contingencies)

FUNDING SOURCE: Aviation Revenue Fund, Reserve
Maintenance Funds, Aviation Bond Funds

DESCRIPTION OF PROJECT/BID:

The project involves renovations and improvements of Mechanical, Electrical, Plumbing and Fire Suppression Systems Terminal-wide. These are multiple projects and require specialties such as paging systems as well as evaluations of A/C mechanical room. The selected prime awarded a Professional Services Agreement under A16-MDAD-02: Terminal Optimization Program (TOP) – Project Support Services, will be precluded from being part of a team awarded any future TOP project.

CONTRACT MEASURES RECOMMENDATION:

Measures: SBE-A&E – 15%

REASONS FOR RECOMMENDATION:

Analysis of the factors contained in Implementing Order #3-22 indicates that the SBE-Architectural & Engineering Program is appropriate for this contract.



IF "NO" IS CHECKED, PLEASE EXPLAIN:

Some of the projects will be funded by RM funds which are not in the CPFS.

		APPROVAL	PRINT NAME	DATE
MDAD Project Manager				
MDAD Division Chief			Aida Bao-Garciga	6-14-16
MDAD Division Director				
MDAD Assistant Director			Pedro F. Hernandez	6/19/16
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			
4.00	AVIATION SYSTEMS			
	4.01 ENGINEERING DESIGN	10		10
	4.02 ARCHITECTURAL DESIGN			
6.00	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			
	5.08 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			
	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			
	10.06 REMEDIAL ACTION PLAN DESIGN			
	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			
12.00	GENERAL MECHANICAL ENGINEERING	35	5	40
13.00	GENERAL ELECTRICAL ENGINEERING	35	5	40
14.00	ARCHITECTURE			
15.00	SURVEYING AND MAPPING			
	15.01 LAND SURVEYING			
	15.02 AERIAL PHOTOGRAMMETRY			
	15.03 UNDERGROUND UTILITY LOCATION			



	15.04 HYDROGRAPHIC SURVEYS			
16.00	GENERAL CIVIL ENGINEERING			
17.00	ENGINEERING CONSTRUCTION MANAGEMENT	5	5	10
18.00	ARCHITECTURAL CONSTRUCTION MANAGEMENT			
19.00	VALUE ANALYSIS AND LIFE-CYCLE COSTING			
	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			
	19.20 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			
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			



MIAMI-DADE COUNTY, FLORIDA

MDAD CONTRACTS ADMINISTRATION

	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.

MDAD Recommendation:
Small Business Enterprise (SBE – A&E)

Project Number: E16-MDAD-07

Project Title: General MEP Engineering & Design Services

SBE-A&E Breakdown Recommendation

- (*) No. of PSA's: Three (3)

- (*) PSA Base Estimate: \$2,000,000.00, Each / \$6,000,000.00, Total (Primary Services)

- (*) PSA Cost Estimate: \$2,205,000.00, Each / \$6,615,000.00, Total (Inclusive of All Contingencies)

- (*) SBE-A&E Goal Recommendation: One (1) PSA Set-Aside and Two (2) PSAs with a 15% goal.

See 15% Breakdown Below:

12.00 General Mechanical Engineering – 5%

13.00 General Electrical Engineering – 5%

17.00 Engineering Construction Management – 5%