

Memorandum



Date: August 2, 2017

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:
MIA Employee Parking Garage A/E Services for Design Criteria Professional Services
Project No. A17-MDAD-01

RECOMMENDATION:

This is a request for Small Business Development (SBD) to approve the attached request for the **MIA Employee Parking Garage A/E Services for Design Criteria Professional Services, Project No. A17-MDAD-01**. The Minority Affairs Division and the User Division staff have evaluated the subject project and recommend a **20% SBE/A&E and a .5% SBE/G&S Program Goal(s)**. (Breakdown of Services attached).

The Term of the agreement will be for five (5) years. The contract estimated amount is \$1,360,075.00.

PROJECT DESCRIPTION:

The MIA Employee Parking Garage project consists of a four-level parking garage structure located in the area of the existing southwest employee parking lot. The project includes the construction of the structure and its associated utility and civil work which will deal with drainage and traffic rework needed for access to the new parking facility. In addition, the project will provide LED signage, monumental signage and parking control equipment. The project will be phased and maintenance of traffic will be required to maintain an access to the employee parking during the construction of the parking garage structure.

A Project Definition Document (PDD) has been prepared to assist the DCP with defining in sufficient detail the requirements for the proposed Employee Parking Garage. The PDD will serve as a reference for the DCP selected by MDAD to meet the project requirements. The PDD also provides information on existing conditions, alternatives developed, selection of a preferred concept, preferred concept refinement, rough order of magnitude (ROM) program costs, and construction sequencing.

The requirements for the DCP to adhere to are listed here. Each is further detailed in the PDD.

- The DCP will need to be aware of and adhere to design limitations within critical site constraints dictated by the Runway Protection Zone (RPZ), Terminal Instrument Procedures (TERPS) departure surface, Title 14 Code of Federal Regulations Part 77 [14 CFR Part 77] imaginary surfaces. The garage location and massing (its general shape and size) should be optimized so its development does not conflict horizontally with the airfield's RPZs and vertically with TERPS, and 14 CFR Part 77 arrival and departure procedures and clearance requirements. These requirements and constraints are further detailed in the PDD.
- The DCP will adhere to the goals of the Concept Development phase (garage layout, circulation, and other requirements) explained further in the PDD, such as:

- The garage should be planned to be at least 2,000 spaces with minimized loss of surface parking spaces within a construction budget of approximately \$30 million (excluding soft costs and project contingencies).
- Employee access to the garage should be planned to provide easy access and reduce vehicle circulation time and time spent locating available parking spots.
- Shuttle operations and travel routes to the garage should be configured to reduce circulation time airportwide, provide convenient employee pickup locations, and provide flexibility for MDAD in structuring the shuttle routes during and after construction, when both the first garage and future garages are in place.
- Specific garage feature requirements outlined in the PDD should be adhered to in coordination with MDAD, for MDAD, for features such as a canopy on the top level, a parking guidance/car counting system, restrooms, etc.
- The DCP will improve existing drainage to mitigate flooding and maintain acceptable stormwater discharges in the footprint of the garage, as well as follow all applicable stormwater management and permitting requirements.
- The DCP will coordinate any water and sewer issues and requirements due to garage development through the Water and Sewer Department, as well as coordinate any necessary utilities relocation with the appropriate owners and authorities.

SCOPE OF SERVICES:

The basic services to be provided by the DCP Consultant shall include but not be limited to preparation of bidding documents incorporating schematic design, performance specifications and design criteria for the Project. Services shall include the enforcement of the design criteria including but not limited to notifying MDAD regarding the Design-Builder's compliance or non-compliance with the requirements of the design criteria.

The purpose of the Design Criteria Package is to furnish sufficient information to permit Design-Build firms to prepare a bid or a response to MDAD's request for proposal, or to permit MDAD to enter into a negotiated Design-Build contract. The Design Criteria Package must at a minimum specify performance-based criteria for the construction project, including the legal description of the site, survey information concerning the site, material quality standards, schematic layouts and conceptual design criteria of the project, cost or budget estimates, design and construction schedules, site development requirements, provisions for utilities, storm water retention and disposal.

Pursuant to FL 287,055 a Design Criteria Professional (DCP) who has been selected to prepare the Design Criteria Package for MDAD is not eligible to render services under a Design-Build contract executed pursuant to the Design Criteria Package.

EXPERIENCE AND QUALIFICATIONS:

- It is preferred that the Prime Proposer or Team Members have completed Design Criteria Package services for no less than three (3) parking garage structures within the last ten (10) years.
- It is preferred that the Prime Proposer have ten (10) years' experience in their designated professional specialization.



Please advise our office if additional information is needed.

Attachments

c: L. Johnson, SBD
M. Clark-Vincent, MDAD
P. Hernandez, MDAD
N. Pantoja, MDAD
E. Perez, 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: MIA Employee Parking Garage A/E Services
for Design Criteria Professional Services

PROJECT/CONTRACT NUMBER: A17-MDAD-01

DEPARTMENT: Miami Dade Aviation Department

ESTIMATED PROJECT COST: \$1,360,075.00

FUNDING SOURCE: Improvement Fund and Aviation Revenue
Bonds

DESCRIPTION OF PROJECT/BID:

The MIA Employee Parking Garage project consists of a four-level parking garage structure located in the area of the existing southwest employee parking lot. The project includes the construction of the structure and its associated utility and civil work which will deal with drainage and traffic rework needed for access to the new parking facility. In addition, the project will provide LED signage, monumental signage and parking control equipment. The project will be phased and maintenance of traffic will be required to maintain an access to the employee parking during the construction of the parking garage structure.

CONTRACT MEASURES RECOMMENDATION:

Measures: SBE/Architectural & Engineering 20%
SBE/Goods & Services .5%

REASONS FOR RECOMMENDATION:

Analysis of the factors contained in Implementing Order #3-32 indicates that the SBE-Architectural & Engineering 20% and Implementing Order #3-41 SBE/Goods & Services .5% Program Goal(s) are appropriate for this contract.

MDAD RECOMMENDATIONS FOR SBE A&E GOAL AND SBE G&S GOAL

Project Number: A17-MDAD-01

Project Title: Design Criteria Professional for MIA Employee Parking Garage

No. of PSA's: One (1)

PSA Base Estimate: \$1,360,075.00 (Basic Services)

SBE-A&E Goal Recommendation

One PSA with a 20% goal as follows:

3.01 Highway Systems – Site Development and Parking Lot Design	5%
3.09 Highway Systems – Signing, Pavement Marking and Signalization	2%
11.00 General Structural Engineering	3%
12.00 General Mechanical Engineering	3%
13.00 General Electrical Engineering	5%
22.00 ADA Title II Consultant	2%

SBE-G&S Goal Recommendation

One PSA with a .5% goal as follows:

Office Supplies, General (61500)



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		5	5
	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		2	2
	3.10 LIGHTING			
	3.11 SIGNALIZATION			
	3.12 UNDERWATER ENGINEERING INSPECTION			
4.00	AVIATION SYSTEMS			
	4.01 ENGINEERING DESIGN			



	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			
	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		3	3
12.00	GENERAL MECHANICAL ENGINEERING		3	3
13.00	GENERAL ELECTRICAL ENGINEERING		5	5
14.00	ARCHITECTURE	58		58
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		3	3
17.00	ENGINEERING CONSTRUCTION MANAGEMENT		3	3
18.00	ARCHITECTURAL CONSTRUCTION MANAGEMENT	16		16
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		2	2
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.