

Memorandum



Date: October 10, 2018

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

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

Subject: Recommendation of Contract Measures:
MIA NTD/CTD Terminal Roofing and Lighting System Upgrades
Project No. A18-MDAD-02

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 MIA NTD/CTD Terminal Roofing and Lighting System Upgrades, Project No. A-18-MDAD-02.

The Minority Affairs Division and the User Department have evaluated the subject project and recommend an **SBE/A&E 30% project goal, SBE/G&S 2% project goal**. The suggested SBE/A & E and SBE/G & S sub-consultant items are listed on the attached Service Description Form attached. Commodity Code 61500 – Office Supplies, General 34500- Safety Supplies (First Aid & Safety Equipment & Supplies); and 90504 Aerial Photogrammetry.

The Contract estimated amount is \$6,934,601.00 (Base Estimate). The Term of the Agreement will be for six (6) years.

PROJECT DESCRIPTION:

The Scope of Services includes professional architectural and engineering services to provide the following services which will enable Miami-Dade Aviation Department (MDAD) to obtain a roof replacement for North and Central Terminal Areas. The age of the roofs at the North and Central Terminal Areas range from between 9-12 years and the roofs do not have any remaining warranty, thus a permanent solution is necessary to ensure the operational readiness of the terminal areas and their functional passenger serviced areas. Services include but are not limited to: preparation of roof plans, detail drawings specifications, construction documents, project segment specific contractor access and staging plans; Maintenance of Traffic (MOT) plans, preparation of schedules, phasing and/or sequencing plans as may apply, construction administration, testing and work site services. The A/E shall prepare an estimate of probable construction costs and update, as required at the various stages and shall review the applicable codes and obtain documents confirming product approval for specified products and systems. It is highly preferred for the Prime to have at least one staff member with one of the following Roof Registered Waterproofing Consultant (RWC) certifications by the Roof Consultants Institute (RCI):

1. Registered Roof Consultant (RRC) certification.
2. Registered Waterproofing Consultant (RWC) – individual certification.
3. Registered Exterior Wall Consultant (REWC) – individual Certification.
4. Registered Building Envelope Consultant (RBEC) – acquired by having the above three certifications.

The project involves the phased (four phases) tear-off (demolition) of existing fully adhered multiple layers of Spray Polyurethane Foam (SPF) roofing system at Roof Decks "A-X" (comprising the North Terminal and Central Terminal areas – approximately 400,000 square feet) with MDAD Roofing System of choice SBS Modified Bitumen Membrane roofing in accordance with MDAD's Terminal Design

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Guidelines Manual with all necessary flashing, drainage, insulation, lighting protection, recertification of the lighting protection system, painting, stucco repairs, door replacements, and pipe supports required to complete the work and guarantee the roof for a 20 year warranty No Dollar Limit (NDL) from project acceptance.

PROJECT PREFERRED EXPERIENCE:

It is highly preferred for the Prime to have at least one staff member with one of the above Roof Registered Waterproofing Consultant (RWC) certifications by the Roof Consultants institute (RCI).

Please advise our office if there are questions or if additional information is needed to complete this process.

Attachments

- c: L. Johnson, SBD
- R. Cutie, MDAD
- M. Vincent, MDAD
- J. Paan, MDAD
- T. Browne, MDAD
- C. Corrales, MDAD
- Project 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 NTD/CTD Terminal Roofing and Lighting Systems Upgrades

PROJECT/CONTRACT NUMBER: E18-MDAD-02

DEPARTMENT: Miami Dade Aviation Department

ESTIMATED PROJECT COST: \$6,934,601.00 (Base Estimate)

FUNDING SOURCE: Reserve Maintenance

DESCRIPTION OF PROJECT/BID:

The Scope of Services includes professional architectural and engineering services to provide the following services which will enable Miami-Dade Aviation Department (MDAD) to obtain a roof replacement for North and Central Terminal Areas. The age of the roofs at the North and Central Terminal Areas range from between 9-12 years and the roofs do not have any remaining warranty, thus a permanent solution is necessary to ensure the operational readiness of the terminal areas and their functional passenger serviced areas. Services include but are not limited to: preparation of roof plans, detail drawings specifications, construction documents, project segment specific contractor access and staging plans; Maintenance of Traffic (MOT) plans, preparation of schedules, phasing and/or sequencing plans as may apply, construction administration, testing and work site services. The A/E shall prepare an estimate of probable construction costs and update, as required at the various stages and shall review the applicable codes and obtain documents confirming product approval for specified products and systems. See more details of project Description on the Recommendation memorandum attached.

CONTRACT MEASURES RECOMMENDATION:

Measures: SBE-A/E 30%
SBE-G/S 2%

REASONS FOR RECOMMENDATION:

Analysis of the factors contained in Implementing Order #3-32 indicates that an SBE-Architectural & Engineering Program Goal and Implementing Order #3-41 indicates that an 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			
	1.04 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		5%	
	4.02 ARCHITECTURAL DESIGN	5%		



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			
	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		30%	
	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		5%	
	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		5%	
12.00	GENERAL MECHANICAL ENGINEERING		5%	
13.00	GENERAL ELECTRICAL ENGINEERING		5%	
14.00	ARCHITECTURE	30%		
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		5%	
17.00	ENGINEERING CONSTRUCTION MANAGEMENT			
18.00	ARCHITECTURAL CONSTRUCTION MANAGEMENT		5%	
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.