

Memorandum



Date: May 9, 2017

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

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

Subject: Recommendation of Contract Measures Request:
Forensic Glazing Curtain Wall Consultant
ISD Project No. E17-MDAD-01

RECOMMENDATION:

This is a request for Small Business Development (SBD) to approve the attached request for the **Forensic Glazing Curtain Wall Consultant, ISD Project No. E17-MDAD-01**. The Minority Affairs Division and the User Division staff have evaluated the subject project and recommend **a .5% SBE/G & S Goal and a 10% SBE/A & E Goal**.

The Term of the Agreement will be for One (1) Professional Services Agreement (PSA), with two (2) year effective term and a one (1) one-year option to renew at the County's sole discretion. The Contract Estimated Amount \$950,000.00 (Base Estimate).

PROJECT DESCRIPTION:

Miami-Dade Aviation Department requires the professional services of a Forensic Glazing/Curtainwall Consultant to evaluate and identify causes of failure and recommend corrective action for failed glazing and system components on a diversity of curtainwall systems and specialty glazing. Glazing failures include, but are not limited to, delamination, opacifier film failures, failed gaskets, structural silicone debonding, and failed weather sealants. Identification of potential corrosion of frames, structural anchors, and connectors due to prolonged water infiltration and structural forensic analysis are also needed.

It is preferred that the selected consultant have the capability of providing all required inspection services and testing. The selected firm shall be a Florida Registered Architect/Engineer (A & E). Ten (10) Years of experience in design and remediation of curtainwall systems in the South Florida area, and knowledge of applicable codes and standards and experience with High-Velocity Hurricane Zones (HVHZ) is preferred.

Please advise our office if additional information is needed.

Attachments

c: L. Johnson, SBD
R. Cutie, 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: Forensic Glazing Curtain Wall Consultant

PROJECT/CONTRACT NUMBER: ISD No. E17-MDAD-01

DEPARTMENT: Miami Dade Aviation Department

ESTIMATED PROJECT COST: \$950,000.00

FUNDING SOURCE: AV1499

DESCRIPTION OF PROJECT/BID:

Miami-Dade Aviation Department requires the professional services of a Forensic Glazing/Curtainwall Consultant to evaluate and identify causes of failure and recommend corrective action for failed glazing and system components on a diversity of curtainwall systems and specialty glazing. Glazing failures include, but are not limited to, delamination, opacifier film failures, failed gaskets, structural silicone debonding, and failed weather sealants. Identification of potential corrosion of frames, structural anchors, and connectors due to prolonged water infiltration and structural forensic analysis are also needed.

CONTRACT MEASURES RECOMMENDATION:

Measures: SBE-G/S .5%
SBE-A/E 10%

REASONS FOR RECOMMENDATION:

Analysis of the factors contained in Implementing Order #3-22 indicates that an SBE-Architectural & Engineering Goal and Implementing Order #3-41 SBE – Goods & Services Program Goals are appropriate for this contract.

MDAD Recommendations:
Small Business Enterprise (SBE – A&E)
Small Business Enterprise (SBE – G&S)

Project Number: **E17-MDAD-01**

Project Title: **Forensic Glazing Curtain Wall Consultant**

SBE-A&E and SBE-G&S Breakdown Recommendations

- (*) **No. of PSA's:** One (1)

- (*) **PSA Base Estimate:** \$950,000.00

- (*) **SBE-A&E Goal Recommendation:**
One PSA with a 10% goal.
See 10% Breakdown Below:
14.00 Architecture – 10%

- (*) **SBE-G&S Goal Recommendation:**
One PSA with a .5% goal
See .5% Breakdown Below:
Office Supplies, General (61500)



TOTAL DOLLARS INDICATED ABOVE ARE IN THE CAPITAL PROJECT FACT SHEET BUDGET YES NO

IF "NO" IS CHECKED, PLEASE EXPLAIN:

This is not a capital project and there is no capital fact sheet for this project.

		APPROVAL	PRINT NAME	DATE
MDAD Project Manager		<i>Juan E. Paem</i>	Jorge Marin (Juan Paem)	5/2/17
MDAD Division Chief		<i>[Signature]</i>	Jorge Marin	5/2/17
MDAD Division Director <i>At Large</i>		<i>[Signature]</i>	Ana Finol	5/2/17
MDAD Assistant Director <i>ACTING</i>		<i>[Signature]</i>	Ralph Cutie	5/2/17
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			
	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	X		70%
12.00	GENERAL MECHANICAL ENGINEERING			
13.00	GENERAL ELECTRICAL ENGINEERING			
14.00	ARCHITECTURE		X	10%
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	X		15%
18.00	ARCHITECTURAL CONSTRUCTION MANAGEMENT		X	5%
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			



	24.07 STRUCTURAL COMPONENTS			
25.00	24.05 WINDOWS			
26.00	24.06 SHUTTERS			

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