

# Memorandum



**Date:** December 16, 2013

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

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

**Subject:** Recommendation for: MIA Building 863 Roof Replacement,  
Project No. A13-MDAD-02-ESP

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## **REVISED RECOMMENDATION:**

This is a re-submittal request for the Small Business Development Division to approve the attached project in order for the Aviation Department to proceed with the **MIA Building 863 Roof Replacement, Project No. A13-MDAD-02-ESP**. Note, there were updates to the Categories of Work to be performed also, "ESP" was added to the project number which has been approved by the BCC to be added to the Economic Stimulus Program.

The Minority Affairs Division staff has evaluated the subject project and recommends **30% CBE Goal** as the contract measure, as set forth in Implementing Order #3-32, the attached MDAD Contract Measures Analysis Worksheet findings and other supporting documents attached.

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The Term of the Agreement is for three (3) years. The estimated amount for this contract is \$150,000.00.

## **BACKGROUND/PROJECT DESCRIPTION:**

The scope of work for this project is the re-roofing of the existing Building #863 roof and consists of approximately 105,200 square feet. The roof was estimated as a 3-ply Modified Bitumen roof however, the A/E is expected to recommend the most cost effective roof system for this project. All existing rooftop equipment is to remain. All new roofing will be flashed to existing or new curbs and roof pipe/raceway supports.

In addition, the work includes repair or replacement as needed of all the auxiliary existing Mechanical, Structural and Electrical systems on roof such as fans, pipe insulation, valves, roof drains, lightning protection as well as pipes and raceway supports.

**Revision:** There were updates made to the Trade Categories (see analysis worksheet and project worksheet attached) from the previous recommendation.

If you have questions, please contact me at (305) 876-7221 or C. Corrales at (305) 876-7991.

## Attachments

cc: V. Clark, ISD  
L. Johnson, ISD  
M. Clark-Vincent, MDAD  
P. Hernandez, MDAD  
V. Walters, ISD  
C. Corrales, MDAD  
Project File

CAT. NO.	SERVICE DESCRIPTION	PRIME CONSULTANT	SUB CONSULTANT	PERCENT OF TOTAL CONSULTANT FEE
4.00	AVIATION SYSTEMS			
	4.01 ENGINEERING DESIGN		5%	
	4.02 ARCHITECTURAL DESIGN	10%		
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		5%*	

\* NO CBE AVAILABLE

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CAT. NO.	SERVICE DESCRIPTION	PRIME CONSULTANT	SUB CONSULTANT	PERCENT OF TOTAL CONSULTANT FEE
	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		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 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		5%	
12.00	GENERAL MECHANICAL ENGINEERING		10%	
13.00	GENERAL ELECTRICAL ENGINEERING		5%	
14.00	ARCHITECTURE	45%		
15.00	SURVEYING AND MAPPING			
	15.01 LAND SURVEYING			
	15.02 AERIAL PHOTOGRAMMETRY			
16.00	GENERAL CIVIL ENGINEERING		5%	
17.00	ENGINEERING CONSTRUCTION MANAGEMENT			
18.00	ARCHITECTURAL CONSTRUCTION MANAGEMENT		5%	

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GAT. NO.	SERVICE DESCRIPTION	PRIME CONSULTANT	SHE CONSULTANT	PERCENT OF TOTAL CONSULTANT FEE
19.00	VALUE ANALYSIS AND LIFE-CYCLE COSTING			
	19.01 TRANSPORTATION PLANNING			
	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			
	19.16 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			

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

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**JMDAD's CONTRACT MEASURES AND ANALYSIS WORKSHEET**

**To:** Veronica Clark, Assistant to the Director  
 Department of Regulatory and Economic Resources  
 Small Business Development, Business Affairs Division

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



**PROJECT/CONTRACT TITLE:** MIA Building 863 Roof Replacement  
**PROJECT/CONTRACT NUMBER:** A13-MDAD-02-ESP  
**DEPARTMENT:** Miami Dade Aviation Department  
**ESTIMATED PROJECT COST:** \$150,000.00  
**FUNDING SOURCE:** Reserve Maintenance Funds

**DESCRIPTION OF PROJECT/BID:**

The scope of work for this project is the re-roofing of the existing Building #863 roof and consists of approximately 105,200 square feet. The roof was estimated as a 3-ply Modified Bitumen roof however, the A/E is expected to recommend the most cost effective roof system for this project. All existing rooftop equipment is to remain. All new roofing will be flashed to existing or new curbs and roof pipe/raceway supports. In addition, the work includes repair or replacement as needed of all the auxiliary existing Mechanical, Structural and Electrical systems on roof such as fans, pipe insulation, valves, roof drains, lightning protection as well as pipes and raceway supports.

**CONTRACT MEASURES RECOMMENDATION:**

Measures 30% CBE Goal

**REASONS FOR RECOMMENDATION:**

Analysis of the factors contained in Implementing Order #3-32 indicates that a CBE Goal is appropriate for this contract.

<u>Trade Category</u>	<u>Estimated Project Cost</u>	<u>% of Item to Base Bid</u>	<u>Cert. Firms List 12/13/13 Availability</u>
4.01 Engineering Design	\$7,500.00	5%	37
10.01 Environmental Eng-Stormwater Drainage Design Serv.	\$7,500.00	5%	56
11.00 General Structural Eng.	\$7,500.00	5%	43
12.00 General Mechanical Eng.	\$15,000.00	10%	34
13.00 General Electrical Eng.	\$7,500.00	5%	36
16.00 General Civil Eng.	\$7,500.00	5%	79
18.00 Architectural Construction Mgmt.	\$7,500.00	5%	69

\*9.05 Roof Testing and Consulting (No CBE's Available)

**Total \$60,000.00**

**MIA BUILDING 863 ROOF REPLACEMENT  
A 13-MDAD-02-ESP**

CAF NO	SERVICE DESCRIPTION	PRIME CONSULTANT	SUB CONSULTANT	PERCENT OF TOTAL CONSULTANT FES
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			

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