

Memorandum



Date: September 27, 2011

To: Penelope Townsley, Director
Department of Small Business Development

From: Milton L. Collins, Associate Director *MLC*
MDAD Minority Affairs Division

Subject: Revised Review Committee Recommendation
Project No. E11-MDAD-02/Stormwater Master Plan

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RECOMMENDATION:

This is a request for the Review Committee (RC) to approve the attached Community Business Enterprise Program (CBE-A/E) Contract measure in order for the Miami-Dade Aviation Department to proceed with the advertisement for the **Storm Water Master Plan, Project No. E11-MDAD-02**. This project consists of updating and maintaining the drainage master plan for all MDAD Airports and Facilities.

The term of the agreement is for three (3) years with an option to renew for two (2) one-year extensions. The estimated consulting fee is \$1,500,000.00.

The MDAD Minority Affairs Division staff has evaluated the subject project and recommends a 5% CBE-A/E goal due to the availability of firms currently certified to do the specific work detailed for this project. The Certified firms listing for the CBE-A/E Trade Category dated September 23rd, 2011, under 1501 Surveying and Mapping-Land Surveying and the Department of Small Business Development Violations Report as of 9/23/11 was also reviewed for Compliance.

BACKGROUND/EXPERIENCE:

This project was previously approved by the RC under project number E08-MDAD-05A, but was rejected by the BCC on 7/20/10. (Copy of July 1, 2010 memorandum attached). The project was then re-submitted under E11-MDAD-02 and approved by the RC on 3/16/11 with a 5% CBE-A/E goal, however, the time period of 180 days has expired (copy of project worksheet attached).

The project will consist of updating and maintaining the drainage master plan for all MDAD Airports and Facilities. The service will include collecting and reviewing as-built data, field verifying as-built conditions, updating the utility atlas, updating the existing modeling scenario, re-establish the future modeling scenarios, update the master plan document, review and update the MDAD design guideline, review and update the technical specifications and assist the Department with Environmental permitting issues.

The Prime must demonstrate a minimum of ten (10) years of experience from the submittal date, in developing and maintaining drainage master plans and associated computer modeling (SWMM and XP SWMM) in airport and municipal storm water management systems of equal size and complexity as Miami International Airport (MIA). MIA storm water drainage system has four (4) watersheds and five (5) outfalls that include over sixty 60 miles of drainage pipe (ranging in sizes from 24" to 96") and more than two-thousand 2,000 structures.

BACKGROUND/EXPERIENCE (Continued):

This project (E11-MDAD-02) replaces E08-MDAD-05A. The scope has not changed, but it will be solicited as a single project. In 2008, three projects were solicited simultaneously as E08-MDAD-05A Utility Master Plan (Drainage), E08-MDAD-05B Utility Master Plan (Sewer) and E08-MDAD-05C Utility Master Plan (Water). The 6.01 and 10.01 certification categories were requirements for the three projects because they were initiated under one solicitation and later divided into three.

5% for 15.01 Surveying and Mapping – Land Surveying is the maximum scope of work identified for sub-consulting. The scope of work for Utility Master Plans is primarily accomplished by a single discipline. In this case, the drainage or storm water branch of civil engineering. The consultant will be required to use specific software and base the planning, analysis and recommendations from the output of the software. Decoupling any of these components creates inefficiency in the project. Data gathering and as-built verification in the form of surveying and mapping was the scope of work best suited for sub-consulting.

The prime consultant for this project must be certified in 4.01, 10.01 and 16.00. The primary objective for this project is to update the existing Drainage Master Plan at Miami International Airport. Secondary objectives include the updates of the Drainage Master Plan at Opa-Locka and Kendall-Tamiami Airports. The consultant must be familiar with the local and federal requirements mandated in such facilities. Thus, the requirement of the 4.01 Aviation Systems Engineering Design certification. The 10.01 Stormwater Drainage Design Engineering Services certification is necessary as this is the primary scope of work. The 16.00 General Civil Engineering certification is necessary to cover ancillary topics such as utilities, roadway and maintenance of traffic design which affect the planning of new drainage infrastructure.

MDAD Minority Affairs Division is requesting that this item be placed on the next Review Committee Agenda. If you have questions, please contact me at (305) 876-7221 or C. Corrales at (305) 876-7991.

Attachments

cc: L. Johnson, SBD
V. Walters, SBD
L. Millan, OCI
E. Beltre, MDAD
G. Garcia, MDAD
M. Clark-Vincent, MDAD
S. Ransom Johnson, MDAD
C. Corrales, MDAD
Project File

MDAD's CONTRACT MEASURES AND ANALYSIS WORKSHEET

To: Penelope Townsley, Director
Department of Business Development

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



PROJECT/CONTRACT TITLE: Storm water Master Plan

PROJECT/CONTRACT NUMBER: E10-MDAD-02

DEPARTMENT: Miami Dade Aviation Department

ESTIMATED PROJECT COST: \$1,500,000.00

FUNDING SOURCE: Multi Year Operating Budget

DESCRIPTION OF PROJECT/BID:

The project will consist of updating and maintaining the drainage Master Plan for all MDAD Airports and Facilities. The service will include collecting and reviewing as-built data, field verifying as-built conditions, updating the utility atlas, updating the existing modeling scenario, re-establish the future modeling scenarios, update the master plan document, review and update the MDAD design guideline, review and update the technical specifications and assist the Department with Environmental permitting issues. The Consultant must demonstrate a minimum of ten (10) years of experience in developing and maintaining storm water master plans and associated computer modeling for storm water facilities of equal or greater complexity to the MIA system.

CONTRACT MEASURES RECOMMENDATION:

Trade Set-Aside _____ Bid Preference _____ Subcontractor Goal 5% CBE-A/E
Project Goal _____ Measures _____ Selection Factor _____

REASONS FOR RECOMMENDATION:

Analysis of the factors contained in Ordinance 01-103 as amended and A.O. 3-32 indicates that a CBE-A/E Subcontractor Goal is appropriate for this contract.

ANALYSIS FOR RECOMMENDATION OF A SUBCONTRACTOR GOAL:

| <u>Category No.</u> | <u>Item Description</u> | <u>Estimated Cost</u> | <u>Availability</u> |
|---------------------|--------------------------------------|-----------------------|--------------------------------------|
| 1501 | Surveying And Mapping-Land Surveying | \$75,000.00 | Cert. List Dated 9/23/11 19 Firms |

ESTIMATED PROJECT COST: \$1,500,000.00

| CAT. NO. | SERVICE DESCRIPTION * | PRIME CONSULTANT | SUB-CONSULTANT | PERCENT OF TOTAL CONSULTANT FEE |
|----------|------------------------------------------------------------------------------|------------------|----------------|---------------------------------|
| | <i>E11-MDAD-02</i> | | | |
| 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 | | | |

MIAMI INTERNATIONAL AIRPORT

MAILING ADDRESS: P.O. BOX 025504, MIAMI, FLORIDA 33102-5504 • 4200 N.W. 36 STREET, SUITE 400, MIAMI, FLORIDA 33122

| CAT. NO. | SERVICE DESCRIPTION* | PRIME CONSULTANT | SUB-CONSULTANT | PERCENT OF TOTAL CONSULTANT FEE |
|----------|---------------------------------------------------------------------------------|------------------|----------------|---------------------------------|
| 4.00 | AVIATION SYSTEMS | | | |
| | 4.01 ENGINEERING DESIGN | X | | 10 |
| | 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 | | | |

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|----------|---------------------------------------------------------------------------|------------------|----------------|---------------------------------|
| | 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 | X | | 75% |
| | 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 | | | |
| 13.00 | GENERAL ELECTRICAL ENGINEERING | | | |
| 14.00 | ARCHITECTURE | | | |
| 15.00 | SURVEYING AND MAPPING | | | |
| | 15.01 LAND SURVEYING | | X | 5 |
| | 15.02 AERIAL PHOTOGRAMMETRY | | | |
| 16.00 | GENERAL CIVIL ENGINEERING | X | | 10 |
| 17.00 | ENGINEERING CONSTRUCTION MANAGEMENT | | | |
| 18.00 | ARCHITECTURAL CONSTRUCTION MANAGEMENT | | | |

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|----------|---------------------------------------------------------|------------------|----------------|---------------------------------|
| 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.

MIAMI INTERNATIONAL AIRPORT

MARLING ADDRESS: P.O. BOX 025504, MIAMI, FLORIDA 33102-5504 • 4200 N.W. 36 STREET, SUITE 400, MIAMI, FLORIDA 33122

Memorandum



Date: JUL 01 2010

To: Honorable Chairman Dennis C. Moss
and Members, Board of County Commissioners

From: George M. Burgess
County Manager

Subject: Rejection of all Proposals for the Utilities Master Plan for Drainage Contract, Miami International Airport

July 20, 2010
Supplement to
Agenda Item No. 8A3A

At the June 15, 2010 Board of County Commissioners meeting, I recommended approval of an award for a Professional Services Agreement (PSA) between Miami-Dade County and H.J. Ross & Associates, Inc. for the Utilities Master Plan for Drainage in an amount not to exceed \$1,728,750. After an extensive discussion, the award recommendation was rejected. Options were discussed for accomplishing the time-sensitive work including a suggestion by the Aviation Director to evaluate the possibility of conducting this work in-house.

Accordingly, on June 18, 2010 a meeting was held to determine the feasibility of the Stormwater Master Plan scope of services being performed by in-house staff through the County's shared services initiative. The attendees were the Miami-Dade Aviation Department (MDAD), Department of Environmental Resource Management (DERM), Public Works Department (PWD), Office of Capital Improvements (OCI) and a member of my senior staff.

The MDAD presented the group with an overview of the Stormwater Management System for Miami International Airport (MIA) which is comprised of four watersheds and five outfalls. The System is further subdivided into approximately 220 basins. MDAD identified two projects as the critical path for the Master Planning scope of services. The first is the Miami-Dade Expressway Authority/Florida Department of Transportation Design Build project for the Expansion of Central Boulevard at MIA. The second is the MDAD Private Investment Partnership II project for the development of two parcels at MIA. Due to the current schedule for both projects, it is crucial to have stormwater review and modeling services available without delay.

DERM confirmed that it could perform the modeling services necessary to address these two projects with in-house forces. The MDAD and DERM have an existing Memorandum of Understanding which will be amended to perform these services. The PWD added that it would be able to participate by providing review services for the stormwater designs. It was agreed that the in-house approach would be an effective solution to the MDAD's immediate needs. Consequently I have approved doing this work in-house. The remaining services for the Stormwater Master Plan will be re-packaged as a future solicitation for professional services.

MDAD will schedule a meeting with DERM to introduce the team members, provide further definition of the scope of services and transmit documentation related to the MIA Stormwater Management System.

If you have any questions please contact Jose Abreu, Director, Aviation Department at 305-876-7077, or me directly.

c: Honorable Carlos Alvarez, Mayor
Ysela Llori, Assistant County Manager
Alex Munoz, Assistant County Manager
Jose Abreu, Director, MDAD
Esther Calas, Director, PWD
Carlos Espinosa, Director, DERM
George Navarrete, Director, OCI



Dept. of Small Business Development
Project Worksheet

Project/Contract Title: STORM WATER MASTER PLAN (SIC 871) **RC Date:** 03/16/2011
Project/Contract No: E11-MDAD-02 **Funding Source:** MULTI YEAR OPERATING BUDGET
Department: MIAMI DADE AVIATION DEPARTMENT **Item No:** 1-02
Estimated Cost of Project/Bid: \$1,500,000.00 **Resubmittal Date(s):**
Description of Project/Bid: The project will consist of updating and maintaining the drainage master plan for all MDAD Airports and Facilities. The service will include collecting and reviewing as-build data, field verifying as-built conditions, updating the utility atlas, updating the existing modeling scenario (as well as other scopes of work).

| Contract Measures Recommendation | | |
|----------------------------------|---------|--------------|
| Measure | Program | Goal Percent |
| Goal | CBE | 5.00% |

Reasons for Recommendation

This project meets all the criteria set forth in A.O. 3-32, Section V.

Project was previously approved by the RC under E08-MDAD-05A, but was rejected by the BCC on 07/20/2010. Project scope requires that the Prime be certified in 4.01, 10.01, and 16.00 @ 95%; subconsulting scope is 15.01 @ 5%.

SIC 871 - Architectural and Engineering Services

| Analysis for Recommendation of Goal | | | | |
|--------------------------------------|------|-----------------|------------------------|--------------|
| Subtrade | Cat. | Estimated Value | % of Items to Base Bid | Availability |
| SURVEYING AND MAPPING-LAND SURVEYING | CBE | \$75,000.00 | 5.00% | 19 |
| Total | | \$75,000.00 | 5.00% | |

Living Wages: YES NO
Responsible Wages: YES NO

Responsible Wages and Benefits applies to all construction projects over \$100,000 that do not utilize federal fund. For federally funded projects, unless prohibited by federal or state law or disallowed by a governmental funding source, the HIGHER wage between Davis Bacon and Responsible Wages and Benefits shall apply.

| REVIEW COMMITTEE RECOMMENDATION | | | |
|-----------------------------------|--------------------|-------------------------------|-----------------|
| Tier 1 Set Aside _____ | | | |
| Set Aside _____ | Level 1 _____ | Level 2 _____ | Level 3 _____ |
| Trade Set Aside (MCC) _____ | Goal <u>5% CBE</u> | Bid Preference _____ | |
| No Measure _____ | Deferred _____ | Selection Factor _____ | |
| Chairperson, Review Committee | 3/16/11 Date | County Manager / Designee | 3/17/11 Date |