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**MIAMI-DADE COUNTY, FLORIDA  
NOTICE TO PROFESSIONAL CONSULTANTS (NTPC)  
MIAMI-DADE COUNTY Aviation Department (MDAD)  
AUTOMATED PEOPLE MOVER (APM) SYSTEM CONSULTANT AT MIAMI INTERNATIONAL  
AIRPORT (MIA)  
ISD PROJECT NO. E15-MDAD-04**

The County Mayor, Miami-Dade County (County), pursuant to Section 287.055, Florida Statutes, 2-8.1 and 2-10.4 of the Miami-Dade County Code and Administrative Order 3-39, announces that Miami-Dade County Aviation Department (MDAD) is seeking Automated People Mover (APM) Consultant Services to support on-going APM Operations and Maintenance (O&M) oversight, System Safety Program Plan (SSPP) support, and other APM technical support services.

**SCOPE OF SERVICES**

Currently, there are two (2) operating APM Systems at Miami-International Airport (MIA); the North Terminal Skytrain and the MIA Mover. A third APM System is under contract to connect the main Terminal and Satellite E building/gates. While the North Terminal and the MIA Mover APM Systems are Mitsubishi Heavy Industries (MHI) Crystal Mover technologies, the Satellite E system will be a cable propelled APM System supplied by Leitner Poma of America. This system is anticipated to become operational in 2016.

MDAD is seeking APM Consultant Services to support on-going APM Operations and Maintenance (O&M) oversight, System Safety Program Plan (SSPP) support, and other APM technical support services. The scope of service includes, but is not limited to, supporting MDAD in the management and oversight of the APM System Operations and Maintenance for all three (3) APM Systems in support of the safe and reliable operations of the APM System. The O&M services for the MIA Mover and North Terminal Skytrain are being provided by a third party contractor. When the new Satellite E APM is operational, the related O&M services will also be provided by a third party contractor. Specific anticipated tasks/activities include, but are not limited to, the following:

- Oversee and regularly audit O&M of the APM Systems for conformance with established procedures, verify performance levels to contractual measures, investigate and identify reasons for not meeting performance levels, identify/recommend potential mitigation;
- Activities such as auditing, report generation, and administrative support to cover all subsystems including, but not limited to, vehicles, Automatic Train Control, Communications, Power Distribution, SSPP, regular SSPP audits;
- Address performance levels including, but not limited to, On Time Performance (OTP), and System Availability, including Fleet and Station Availability;
- Review the maintenance plans/procedures related to the capital asset replacement program and make recommendations to MDAD;
- Support the Safety & Security Committee including initiating and auditing implementation of the SSPP by the O&M Contractor as part of the SSPP audits to be performed by the Florida Department of Transportation (FDOT);
- Support MDAD in contract administration including, but not limited to, pay applications, verification of progress, calculation of payment deductions as required;

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- Support MDAD in technical evaluation and oversight of any modifications proposed to the established procedures of the APM system elements, including assisting in reviewing costs, support negotiations and oversee implementation of modifications;
- Other related support activities as required by MDAD including, but not limited to, potential APM System reconfiguration for operations, additional vehicles, and modifications;
- Quality Assurance reviews of the O&M Contractors' activities including, but not limited to, maintenance, MMIS, preventative maintenance, and readiness drills;
- Other APM Technical Support Services – support MDAD in their planning, engineering, programming activities related to APM Systems at MIA as requested.

**PROJECT COST**

The estimated total contract amount is six million, sixty-five thousand, one hundred and twenty-five dollars (\$6,065,125). One (1) consultant/team of firms will be retained under a non-exclusive Professional Services Agreement (PSA) for an effective term of five (5) years, with one (1) five (5) year option to extend.

**EXPERIENCE AND QUALIFICATIONS**

- 1) The Prime and their key personnel must have prior experience as a Prime consultant for similar services as detailed in the scope for this solicitation, for an airport of comparable size and complexity.
- 2) The Prime must demonstrate experience with the following:
  - (a) MHI Crystal Mover System APM technology;
  - (b) Cable propelled APM System Technology;
  - (c) Modernization of APM systems and other related APM subsystems;
  - (d) Conceptual development, planning, and design implementation of new APM systems;
  - (e) APM System/Infrastructure interfaces & integration; and
  - (f) Development & management of an APM SSPP including audits.

**A/E TECHNICAL CERTIFICATION REQUIREMENTS FOR THE A/E DESIGN TEAM**

**PRIME:**

- 2.01 Mass Transit Systems – Mass Transit Program (Systems) Management (PRIME)**
- 2.02 Mass Transit Systems – Mass Transit Feasibility & Technical Studies (PRIME)**
- 2.03 Mass Transit Systems – Mass Transit Vehicle Studies & Propulsion Studies (PRIME)**
- 2.04 Mass Transit Systems – Mass Transit Controls, Communications & Information Systems (PRIME)**
- 2.06 Mass Transit Systems – Mass Transit Safety Certification for System Elements (PRIME)**

**PRIME OR SUB-CONSULTANT:**

- 1.02 Transportation Planning – Mass and Rapid Transit Planning
- 2.05 Mass Transit Systems – General Quality Engineering
- 4.01 Aviation Systems – Engineering Design
- 11.00 General Structural Engineering
- 12.00 General Mechanical Engineering
- 13.00 General Electrical Engineering
- 16.00 General Civil Engineering
- 17.00 Engineering Construction Management

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**CONTRACT MEASURES**

The Miami-Dade County Small Business Enterprise (SBE) goals are as follows:

- a) 6.0% – SBE-A/E Goal
- b) 4.5% – SBE – G&S Goal

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