

## SBD - CM Review Form

<b>To:</b>	Project Review & Analysis - A&E	<b>Contact:</b>	Caridad Corrales
<b>From:</b>	SBD CM - Eddy V. Etienne Jr.	<b>Resubmittal:</b>	No
<b>Department:</b>	Miami-Dade Aviation Department		
<b>Date:</b>	11/12/2015		

<b>PROJECT NUMBER:</b>	E15-MDAD-04
<b>PROJECT TITLE:</b>	Automated People Mover System Consultant at MIA
<b>PROJECT LOCATION:</b>	2100 NW 42nd Ave, Miami, FL 33126

**SCOPE OF WORK/DESCRIPTION:** The scope of services for the APM consultant are: 1. Support MDAD in the management and oversight of the APM System Operations and Maintenance for all three APM Systems - in support of the safe and reliable operations of the APM System. Currently, 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: a) oversee and on a regular basis audit the operations and maintenance 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, etc. b) Activities to cover all subsystems including but not limited to vehicles, Automatic Train Control, Communications, Power Distribution, System Safety Program Plan (SSPP), regular SSPP audits, etc. c) Address performance levels including but not limited to On Time Performance (OTP), and System Availability including Fleet and Station Availability. d) Review the maintenance plans/procedures related to capital asset replacement program and make recommendations to MDAD. e) Support the Safety & Security Committee including initiating and auditing implementation of the SSP by the O&M Contractor as part of the SSPP audits to be performed by FDOT. f) 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 the modifications. g) Other related support activities as required by MDAD, including but not limited to potential APM System reconfiguration for operations, additional vehicles, modifications, etc. - Quality Assurance reviews of the O&M Contracts activities including but not limited to maintenance, MMIS, preventive maintenance, readiness drills, etc. - Other APM Technical Support Services: Support MDAD in their planning, engineering, programming activities related to APM Systems at MIA as requested.

**SPECIAL REQUIREMENTS:** Proposers and their key personnel must have prior experience as the prime consultant for similar services, and as a minimum, the Proposers must demonstrate; (1) experience with the Mitsubishi Heavy Industries (NHI) Crystal Mover System APM Technology; (2) experience with cable propelled APM System Technology; (3) experience in the modernization of APM systems and other related APM subsystems; (4) experience in conceptual development, planning, and design implementation of new APM systems; (5) experience in APM System / Infrastructure interfaces & integration; and (6) experience in development & management of an APM System Safety Program Plan (SSPP) including Audits.

CATEGORIES	PERCENTAGE	COMMENTS
		<b>PRIME</b>
Mass and Rapid Transit Planning	5.00%	Must meet special requirements
Aviation Systems and Airport Master Planning	5.00%	
Mass Transit Program (Systems) Management	30.00%	

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CATEGORIES	PERCENTAGE	COMMENTS
Mass Transit Feasibility & Technical Studies	14.00%	Must meet special requirements * Possible Small Business Participation
Mass Transit Controls, Communications & Information Systems	7.00%	
Engineering Design	5.00%	
General Structural Engineering	1.00%	
General Mechanical Engineering	1.00%	
General Electrical Engineering	1.50%	
General Civil Engineering	0.50%	
Engineering Construction Management	25.00%	
<b>SUB-CONSULTANT</b>		
Mass Transit Vehicle & Propulsion Studies	3.00%	* Possible Small Business Participation
General Quality Engineering	1.00%	
Mass Transit Safety Certification For System Elements	1.00%	
<b>Total Estimated Professional Fees</b>		<b>100.00%</b>

Small Business Development CM Signature: 

Date: 11-12-15

\*Trades/Sub-Trades identified for possible subcontracting opportunities by SBD CM

MDAD is recommending 5%

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