

ADDENDUM NO. 2
REQUEST FOR QUALIFICATIONS
MASTER PLANNING SERVICES
Titusville - Cocoa Airport Authority

Date: March 17, 2022

Answers to written questions received as of Thursday, March 17, 2022

1. Are there any additional items in the Appendices, similar to the Stormwater Master Drainage Plans (shown on page A-3), that will be removed from this scope? If so, can you please identify them?

To clarify our response to a previous question (see Addendum No.1), we provide the following:

The project includes the documentation and assessment of existing utilities and stormwater drainage facilities and recommendations for the remediation of significant deficiencies. The project may include an analyses of the capabilities of existing facilities to accommodate future development however, detailed planning for future facilities typical of a stormwater master drainage plan or similar study is not contemplated in the work.

A revised Appendix A is attached for reference. See the highlights on page A-3 for details specific to the question and other items.

Please note that the tasks outlined in Appendix A and B are conceptual only and subject to FAA/FDOT/Space Florida approvals and final contract negotiations with the successful Respondent.

Note: This and any subsequent addenda issued shall be acknowledged in the SOQ and will become a part of the solicitation. Failure to acknowledge addendum may result in disqualification from the RFQ process.

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Appendix A
CONCEPTUAL SCOPE OF SERVICES
Airport Master Plans

The anticipated services for the Master Plans of the three airports will include those tasks and deliverables typically performed during the master planning process as outlined in Federal Aviation Administration's (FAA) Advisory Circular (AC) 150/5070-6B Change 2, "Airport Master Plans". In addition, there is additional detailed information regarding some tasks and analyses that are included in the Florida Department of Transportation's Airport Master Plan Guidebook (2021-2022), AC 150/5300-13A Change 1, "Airport Design" and relevant documents published by the Airport Cooperative Research Program (ACRP) that should be considered. While some components of the master plan process may not appear to be relevant to a specific airport, the Consultant should address the factors that could be applicable within or outside the planning horizon. Subject to the FAA's and FDOT's approval and the final negotiated contract, the scope of work for the master plans may include, but not be limited to, the following:

<u>Item</u>	<u>Description</u>	<u>TIX</u>	<u>COI</u>	<u>X21</u>	<u>Remarks</u>
A.	EXISTING CONDITIONS				
	<u>1. BACKGROUND</u>				
	Regional Socio-economic Characteristics	X	X	X	Population/Economic Activity
	Airport History	X	X	X	Compendium/Review of Previous Documentation
	Key Issues, Goals & Objectives	X	X	X	Past and Current Issues
	<u>2. EMERGING TRENDS & TECHNOLOGY</u>				National/Regional/Local Trends Affecting Airport Development
	Aircraft				GA Fleet Demographics/Design/Propulsion/Fuel
	Airmen				Demographics/Flight Training Hiring/Maintenance
	Airspace & Air Traffic Control				FCT & Remote Towers/Approach Design
	Airports				Development/Funding/Innovative Practices
	Aerospace/Astronautics Industries				Manufacturing/MRO/Space Flight/Payloads
	<u>3. TOPOGRAPHY</u>				AC 150/5300-16, Aeronautical Surveying, AC 150/5300-17, Airport Imagery, & AC
	Horizontal & Vertical Controls	X	X	X	Identify or establish monuments for future use
	eALP Base Map	X	X	X	eALP Standards w/1' contours/spot elevations
	3-D Airport Model	X	X		3-D modeling on Sketchup
	<u>4. EXISTING FACILITIES</u>				Characteristics & Conditions
	<u>Airfield</u>				Runways/Taxiways/Safety Areas/RPZs/NAVAIDS
	Runways	X	X	X	Dimensions/Pavement Conditions/Markings/Lighting/Signage
	Taxiways	X	X	X	Dimensions/Pavement Conditions/Markings/Lighting/Signage
	Safety Areas & RPZs	X	X	X	Dimensions/Conditions/Ownership
	NAVAIDS	X	X	X	ILS/VOR
	Visual Aids	X	X	X	PAPIs/VASIs/REILs
	Other	X	X	X	Fuel Facilities (Capacity/Condition/Permits)
	<u>Airspace</u>				
	Instrument Approaches	X	X		TIX/COI
	Traffic Patterns	X	X	X	Generalized Flight Paths & Profiles
	Part 77	X	X	X	3-D Model
	TERPS	X	X	X	3-D Model
	Obstructions	X	X	X	3-D Locations & Heights
	<u>Aeronautical Facilities</u>				
	Hangars	X	X	X	Size/Elevations/Condition
	T-Hangars	X	X	X	Size/Units/Elevations/Condition
	Aprons	X	X	X	Dimensions/Capacity/Layout
	<u>Non-Aeronautical Facilities</u>				
	Structures	X	X	X	Use/Size/Condition
	Access Roads	X	X	X	Capacity/Condition
	Parking	X	X	X	Capacity/Condition
	Rail	X			Potential Connector
	Port	X			Access & Facilities
	<u>Utilities</u>				
	Electrical (Airfield)	X	X	X	Vault/Circuits/Capacity/Conditions
	Electrical (General)	X	X	X	Location/Capacity
	Water/Sewer/Fire Protection	X	X	X	Location/Capacity
	Telecommunications	X	X	X	Type/Location/Capacity/Providers
	Stormwater	X	X	X	Retention/Detention/Swales/Culverts (Location/Capacity/Condition)

Appendix A
CONCEPTUAL SCOPE OF SERVICES
Airport Master Plans

Item	Description	TIX	COI	X21	Remarks
	<u>Land Use</u>				
	On-Airport	X	X	X	<i>Exhibit A update w/Leaseholds</i>
	Aviation Uses	X	X	X	<i>Runway/Taxiway/OFAs/RPZs</i>
	Aeronautical Uses	X	X	X	<i>Aprons/Hangars/Banner Towing/Drop Zone</i>
	Non-Aeronautical Uses	X	X	X	<i>Parcels</i>
	Vacant/Surplus Area	X	X	X	<i>Currently unencumbered</i>
	Off-Airport				
	Regional Setting	X	X	X	<i>Political Jurisdictions/Access</i>
	Zoning	X	X	X	<i>Development & Height Hazard Zoning</i>
	Compatible Land Use	X	X	X	<i>Households/Population (within 1.5 miles of RW end)</i>
5. EXISTING ACTIVITY					
	<u>Operational Activity</u>				
	Aircraft Operations	X	X	X	<i>Annual/Daily/Peaks (estimated baseline ops)</i>
	Based Aircraft	X	X	X	<i>Comparison to National Based Aircraft Inventory</i>
	Fuel Flowage	X	X	X	<i>Annual/Peak (Reporting Audit)</i>
	Employment & Payroll	X	X	X	<i>Aeronautical/Non-Aeronautical</i>
	Other	X	X	X	<i>Banner Towing/Balloon/Skydiving</i>
	<u>Financial Activity</u>				
	Operational Revenues	X	X	X	<i>Aeronautical/Non-Aeronautical</i>
	Operational Expenses	X	X	X	<i>Aeronautical/Non-Aeronautical</i>
	Capital Expenses	X	X	X	<i>Complete FAAP/ADAP/AIP/FDOT Grant History</i>
	Leases	X	X	X	<i>Update Lease Management System</i>
B. FORECASTS OF AVIATION ACTIVITY					
	The primary goal of this task will be to develop <u>very basic</u> but reasonable predictions regarding annual itinerant and local aircraft operations, peak and average characteristics, and based aircraft by category. See ACRP Synthesis 2, Report 76, and 82.				
	<u>Past & Existing Forecasts</u>				
	FAA Terminal Area Forecasts	X	X	X	<i>Analysis of Historical & Current TAF</i>
	Analysis of Previous Forecasts	X	X	X	<i>Review previous Master Plan methodologies & performance</i>
	<u>Aircraft Operations</u>				
	Annual	X	X	X	<i>Simple methodologies w/weighting assumptions</i>
	Peaks	X	X	X	<i>VirTower Data</i>
	Touch & Go's	X	X		
	<u>Based Aircraft</u>				
	Number	X	X	X	
	Types	X	X	X	<i>Comparison to National Based Aircraft Inventory</i>
	<u>Other Activity</u>				
	Banner Towing/Skydiving		X	X	<i>Aircraft ops & skydivers</i>
	<u>Recommended Forecasts</u>				
	Comparison to TAF	X	X	X	<i>Justify for exceeding (short-term by 10% or mid/long term by 15%)</i>
	Submittal to FAA for Approval	X	X	X	<i>Prepare report & respond to comments</i>
C. FACILITY REQUIREMENTS					
	Airfield Capacity				
	Annual Service Volume (ASV)	X	X	X	<i>Determine capacity using FAA, ACRP Report 79, and other resources</i>
	Hourly Capacity	X	X	X	<i>Determine capacity using FAA, ACRP Report 79, and other resources</i>
	Detailed Capacity Model		X		<i>Visualization</i>
	Requirements				
	Airspace & Airfield	X	X	X	
	Aeronautical Facilities	X	X	X	
	Terminal Facilities	X	X		
	Landside	X	X	X	<i>Access Road, Parking, Rail, etc.</i>
D. ANALYSIS OF ALTERNATIVES					
	Airfield Configuration	X	X	X	
	Terminal Area Development	X	X	X	
	Access Improvements	X	X	X	
	Infrastructure/Utilities Improvements	X	X	X	

Appendix A
CONCEPTUAL SCOPE OF SERVICES
Airport Master Plans

Item	Description	TIX	COI	X21	Remarks
E.	<u>ENVIRONMENTAL CONSIDERATIONS</u>				
	Previous EA Studies	X	X	X	Key Environmental Issues
	EA Checklist	X	X	X	FAA Order 1050.1F Checklist
	Cultural Resources Survey	X	X	X	Discussion Only
F.	<u>IMPLEMENTATION PLAN</u>				
	Short-Term Development (1-5 yrs)	X	X	X	Description/Justification/NPR/Detailed Unit Cost Estimates/Pre-Ap Outline
	Mid-Term Development (6-10 yrs)	X	X	X	Description/Justification/NPR/Detailed Unit Cost Estimates/Pre-Ap Outline
	Long-Term Development (11-20 yrs)	X	X	X	Description/Justification/Rough Order of Magnitude Cost Estimates
G.	<u>FINANCIAL FEASIBILITY</u>				See AC 150/5070-6B, Ch. 12
	Airport Financial Structure	X	X	X	See Para 1203
	Leases & Other Agreements	X	X	X	Lease Terms
	Asset Valuation & Depreciation	X	X	X	Full & Partially Depreciated Assets
	Analysis of Current Cash Flow	X	X	X	Existing Operating Revenues & Expenses
	Pro Forma Cash Flow Analysis	X	X	X	Projected Operating Revenues & Expenses (including proposed development
	Revenue Enhancement Opportunities	X	X	X	See Para 1204
	Capital Funding Sources	X	X	X	See Para 1202
	Financial Feasibility Analysis	X	X	X	Combined Elements
H.	<u>AIRPORT LAYOUT PLANS</u>				Refer to ARP SOP 2.00
	Baseline Topography & Aerial Mapping	X	X	X	eALP Standards w/1' contours/spot elevations
	Current ALP Set Clean-up	X	X	X	Layer Control/Colors/Linetypes/Text/Symbology
	Existing Facilities	X	X	X	
	Future Development	X	X	X	
	Exhibit A Map	X	X	X	Refer to ARP SOP 3.00
	Utility Plan	X	X	X	See Item A.4 - Utilities
	Stormwater Drainage Plan	X	X	X	See Item A.4 - Utilities
I.	<u>STAKEHOLDER & PUBLIC INVOLVEMENT</u>				
	TCAA Website Page	X	X	X	Notices/Agendas/Minutes/Documents
	Technical Advisory Panel (TAP)	X	X	X	
	Community Advisory Panel (CAP)	X	X	X	
	Public Open House / Events	X	X	X	