Melbourne International Airport
Master Plan Update
Project Kickoff Meeting

November 10, 2014
Agenda

- Team Introduction
- Roles and Responsibilities
- Project Overview
- Airport Overview
- Goals and Objectives
- Project Schedule
Project Team
Roles and Responsibilities
Roles and Responsibilities

Airport Engineering Company
- Prime Consultant
- Historical Knowledge
- Technical Support

ESA Airports
- Project Management
- Technical Lead
- Strategic Planning
- Stakeholder Coordination
- Document Production
C&S Companies (+Woolpert)
- AGIS Coordination
- Obstruction ALP Sheets
- Terminal Planning/Programming
- Land Use Market Strategy
- Technical Support/Quality Assurance

Smith & Associates Surveying and Mapping
- Boundary Survey
- Historical Knowledge
- Title Search
- Exhibit “A” Property Map
Project Overview
Key Project Elements

Master Plan / ALP Update

Airport Geographic Information System (AGIS) Mapping

Boundary Survey / “Exhibit A”
Master Plan / ALP Update

- Goals and Objectives
- Inventory and Data Collection
- Forecasts
- Demand Capacity and Facility Requirements
- Alternatives Analysis
- Environmental Overview
- Recommended Development Plan
- Airport Layout Plan
- Working Paper #1
- Working Paper #2
- Working Paper #3
- Draft MPU
Stakeholder Participation

- Community Outreach/Workshops
- Transportation Planning Organization (TPO) Briefings
- MAA Board Meetings
- Tenant and Airport User Briefings
- Local FAA ATCT Coordination
- FAA Orlando ADO Coordination
- FDOT Coordination
Aerial Survey and Obstruction Analysis
1. Airport Airspace Analysis Survey (AAAS) existing runway ends
2. Topographic / planimetric base mapping – current and proposed property
3. Obstruction analysis for:
   - AGIS Vertically Guided Approach
   - FAR Part 77
   - Threshold Siting Surface (TSS) – existing/future runway ends
   - Glidepath Qualification Surface (GQS) – existing/future runway ends
   - Validate TERPS Visual 20:1 obstacles identified by FAA
4. Development and Upload of AGIS compliant files
Boundary Survey Update
- Title Search (as necessary)
- Title Opinion
- Exhibit “A” Property Map

Elements of the Exhibit “A” Property Map
- Up-to-date boundary drawing and legal description
- Information required for each parcel:
  - Each parcel numbered
  - Type of interest held
  - Seller and buyer information
  - Date acquired or disposed
  - Acreage
  - Reference to public land record
  - Reference to federal or state grant number (if applicable)
- List of any easements or encumbrances
- Prepare FAA’s Standard Operating Procedure Checklist
Brief Airport History

- 1928 – Pitcairn aircraft lands in field north of Kissimmee Highway
- 1941-1945 – Naval Air Station Melbourne
- 1947 – US Surplus Property Act transfer to City of Melbourne
- 1952 – Eastern Airlines establishes commercial service
- 1967 – Establishment of Melbourne Airport Authority
- 1991 – New terminal facilities completed
- 1993 - Becomes Melbourne International Airport
- 2008 – Airport lands Embraer Phenom Facilities and Delta Celebrates 25 years of service
- 2009 – MLB and FIT announce plans for Florida Tech Research Park
- 2010 – USAir restarts service
- 2014 – Embraer facility expansion announced and Midair MRO facility construction
Airport Snapshot

- Approximately 2,800 acres
- Three runways
  - 9R/27L - 10,181 × 150 ft
  - 9L/27R - 6,000 × 150 ft
  - 5/23 - 3,001 × 75 ft
- 2013 Passenger Enplanements – 211,702 (175th busiest US)
  - USAir (Charlotte)
  - Delta (Atlanta)
  - Baer Air (Bahamas)
  - NEW Elite Airways (Washington Dulles)
- 2013 Operations – 131,111 (17th busiest in FL)
  - 79,821 Itinerant
  - 51,290 Local
Issues, Goals and Objectives
Address New Guidance

Updates to Planning and Engineering Guidance Since Last Master Plan Update
What has changed?

- Numerous airfield improvements
- Relocation of FIT facilities
- Embraer expansion
- Midair expansion
- Grumman expansion
- Other new tenants
- Dopplerization of VOR
Potential Goals and Objectives

- Enhance customer safety, service, and experience
- Enhance revenue and economic development efforts
- Meet federal grant obligations, FAA design standards, and policies
- Update ALP and Exhibit “A” Property Map and meet FAA AGIS mandate
- Refine land use, development and land acquisition strategies
- Consider environmental impacts, stewardship, and sustainability
- Ensure orderly development: consider short-term needs and long-term plans
- Provide for meaningful involvement in the planning process by the public, airport users and agencies
- Capitalize on Airport and Project branding
2015 Master Plan Update Goals

Specific issues to be addressed

- Identify long-term requirements associated with **GA facilities**
- Continue plans to provide better **ground access** to and from the airport including an improved linkage with I-95
- Provide **seamless intermodal connections** including linkages between air, rail, surface, port and space activities
- Maintain **efficient passenger processing**
- Review plans for **extension of Runway 9R/27L** and a connecting taxiway between Runway 9R and 9L thresholds
- Address **line of sight issues** associated with existing tower
- Ensure **compatibility** with airport Navigational Aids and other operational criteria
- Provide for **development and growth of air cargo and enhanced air service**
- Address **drainage issues** in southeast quadrant of the airport
- Address **future land** needs
Project Timeline
Projected Deliverable Dates

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Legend
- Task Duration
- Review Period (MAA and/or MAA/FAA/FDOT)
- Public Workshop
- Deliverable
Key Upcoming Meetings

- Working Group Meetings
- Public Workshop #1
- Transportation Planning Organization (TPO) Briefings
- MAA Board Meetings
- Tenant and User Briefings