Melbourne International Airport
Master Plan Update
Public Workshop
May 20, 2015
Airfield Features

Land
• 2,345 acres

Runways
• 9R/27L (10,181 × 150 ft) - precision instrument runway
• 9L/27R (6,000 × 150 ft) - non-precision instrument runway
• 5/23 (3,001 × 75 ft) - visual runway

Air Traffic Control Tower (ATCT)
• Operates between 6:00 am and 12:00 am daily
• The ATCT, constructed in 1966, is planned to be replaced

Approach Lighting & Visual Approach Aids
• Runway 9R/27L is equipped with an approach lighting system
• All runways have Precision Approach Path Indicators (PAPIs)
• Rotating beacon

Navigational Aids
• Runway 9L/27 Instrument Landing System
• Advanced GPS Approaches
• Very High Frequency Omni-Directional Range/Distance Measuring Equipment (VOR/DME) -- currently being replaced and upgraded

Public Aircraft Storage Hangars
• T-hangar units (186)
• Box hangar units (26)
• Executive hangars (12)
• Sheltair Aviation constructed and leases numerous aircraft storage hangars at the airport. The MAA owns and leases 48 T-hangar units.

Corporate, FBO, and Maintenance Hangars
• Several corporate, Fixed Base Operator, aircraft assembly, and aircraft maintenance hangars are located on the airfield.

Aircraft Rescue and Firefighting
• The Melbourne Airport Authority operates a dedicated firefighting and rescue station at the airport
Existing Facilities
Existing Airport Facilities
Airport History

- **1933**: The City of Melbourne acquired 160 acres of land for a municipal airport.
- **1941-1945**: Melbourne Municipal Airport becomes Naval Air Station Melbourne during World War II.
- **1946**: US Surplus Property Act transferred the airport back to City of Melbourne.
- **1952**: Eastern Airlines establishes commercial service.
- **1967**: Melbourne Airports Authority established.
- **1990**: Melbourne Airport Authority established.
- **1993**: New terminal facilities completed.
- **1995**: Renamed Melbourne International Airport.
- **1995**: New international terminal and air freight facility opened.
- **2000**: Delta Celebrates 25 years of service.
- **2008**: FIT Aviation modernizes and relocates its FBO facilities.
- **2010**: MLB and FIT announce plans for Florida Tech Research Park.
- **2014**: Embraer facility expansion announced.
- **2015**: Northrop Grumman initiates a $500 million expansion.

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Commercial Air Service

- Delta Airlines
  - Daily non-stop service to its major hub in Atlanta
- American Airlines
  - Daily non-stop service to its major hub in Charlotte
- Elite Airways
  - Charter service throughout the US
- Baer Air
  - Scheduled service to the Bahamas and charter service throughout the US
- International Charter Flights
  - Charter service from Europe and South America

Passenger Terminal Facilities

- 193,600 square-foot terminal building
- International Terminal
- Spacious Ticketing, Baggage Claim, and lobby areas
- Convenient security screening
- Restaurant, café, bar and gift shop
- Rental cars, shuttle service, taxis
- Airport museum
- Meeting room
- Convenient parking
Fixed Base Operator (FBO) Services at MLB

- **Atlantic Jet Center**, located on the north side of the airfield, has served MLB’s general aviation community since 1998. Atlantic Jet Center is a full-service FBO.

- **Baer Air**, located on the east side of the airfield along South Apollo Avenue, provides full FBO services and provides scheduled flights to destinations such as the Bahamas.

- **FIT Aviation** is the primary flight school at MLB. FIT Aviation also provides full-service FBO services to the public.

*What is an FBO?*

FBO’s provide terminal facilities for general aviation passengers and pilots and provide a variety of services that include flight planning, aircraft fuel and counter sales, flight training, aircraft maintenance, and ground transportation.
MLB is a Local Employment Center

Aircraft Manufacturing, Maintenance, and Aerospace
Melbourne International Airport is one of the nation's fastest-growing aircraft and aerospace manufacturing and maintenance hubs. Since 2008, major aircraft manufacturing and maintenance operations have added nearly 4,000 high-tech jobs to the region.

- **Aircraft Assembly and Manufacturing**
  - Embraer Executive Jets
  - Discovery Aviation

- **Aircraft Maintenance, Repair and Overhaul (MRO)**
  - MidAir USA
  - Baer Air
  - AAR Corporation
  - FIT Aviation
  - Heck Air

- **Avionics**
  - Rockwell Collins
  - Avidyne Corp
  - Southeast Aerospace
  - Thales Group
  - Symetrics

- **Space, Aerospace, and Defense**
  - Harris Corporation
  - L3 Communications
  - Northrop Grumman Corporation
  - DRS Tactical Systems

**Other Businesses/Institutions at MLB**

- **Transportation**
  - General Electric

- **Health Care**
  - Kindred Hospital
  - Circles of Care

- **Technology**
  - Ricoh USA
  - Revolution Technologies

- **Education**
  - Florida Institute of Technology
  - Keiser University
  - East Florida State College

- **Lodging**
  - Suburban Extended Stay hotel

- MLB supports **local business** and economic development.
- MLB attracts **high-paying** aerospace and technology jobs.
- More than **6,000 tenant employees**.
- MLB contributes more than **$1 billion** annually into the local economy.
MLB and High Tech Industry Growth

- MLB has 130 acres of prime commercial, office, and mixed-use property and is part of a 4,000-acre Foreign Trade Zone.
- Brevard County supports high-tech, aviation, aerospace, tourism, agriculture, among other businesses/industries.
- MLB is one of the nation’s fastest growing hubs for aviation and aerospace development and manufacturing, aircraft maintenance, and related high-tech industries.

Brevard County is the world’s only quinta-modal community:
- Launch pads for commercial space access
- Port Canaveral is the 3rd busiest seaport in the country
- 12,085 miles of interstate and highway accessibility within the state
- Extensive freight railway system
- An airport (MLB) that can accommodate international passengers and cargo flights

“Melbourne will be the center of gravity for Embraer Executive Jets. Our Engineering and Technology Center, the first engineering center outside of Brazil, shows the strong level of commitment to our customers as well as our faith in this remarkable community.”
Frederico Curado
President and Chief Executive Officer, Embraer S.A.

“Florida’s competitive business environment and economic development programs were among the factors we evaluated to make the business decision to locate our centers of excellence in Melbourne and St. Augustine.”
Wesley Bush
President and Chief Executive Officer, Northrop Grumman

The MAA works with local, regional, and state economic development officials to develop incentive packages to support business expansion and relocation.
- Palm Bay-Melbourne-Titusville is among the top 3 (of 360) metro areas in the U.S. for concentration of Electrical Engineers and Technicians.
- There are 10 local post-secondary educational institutions located in the vicinity of MLB.

Resources

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Airport Activity and Forecast

Airport Statistics (2014)

- **444,844 Total Passengers**
- **122,655 Aircraft Operations**
  - 36 percent local, 64 percent itinerant (average)
  - Historically the ratio has averaged 43 percent local and 57 percent itinerant
  - General Aviation (GA) aircraft operations generated approximately 95 percent of the aircraft operations at MLB in 2014
  - 393 military aircraft operations
- **235 Based Aircraft**
  - 167 Single-Engine Piston
  - 45 Multi-Engine
  - 16 Jets
  - 6 Helicopters
  - 1 Other (Sport/Experimental)
- **Air Cargo**
  - Presently no dedicated air cargo carriers
  - Passenger airline cargo – 267,900 lbs
  - GA air cargo

Recommended and Alternative Growth Enplanement Forecasts

Selected General Aviation Operations Forecasts
Goals and Objectives
Facility Inventory / Data Collection
Aviation Activity Forecasts

Demand / Capacity Analysis
Facility Requirements Analysis

Alternatives Analysis
Environmental Considerations

Recommended Development Plan
Airport Layout Plan

Draft Master Plan Update

Final Master Plan Update

What has changed since the last Master Plan?

• Numerous airfield improvements
• Embraer Executive Jets (2008)
• Baer Air FBO (2008)
• FIT Aviation facilities relocation (2009)
• US Airways returns to MLB (2010)
• MidAir USA MRO (2010)
• Elite Airways selects MLB as its hub (2012)
• Greg Donovan, AAE was recruited by the MAA to lead MLB (2014)
• Northrop Grumman expansion
• Several new aviation and non-aviation tenants

= Public Workshops
Airport Capital Improvement Projects (2004-2014)
# Master Plan Update

## Goals and Objectives

### Goals

- Prepare a Master Plan Update that is useful to MAA and MLB management and is informative to (elected) officials and the public
- Meet FAA’s Airport Geographic Information System (AGIS) mandate for airport mapping
- Update the airport’s “Exhibit A” Property Map to ensure compliance with AIP grant assurances
- Update the MLB ALP drawing set to reflect recent development, proposed development, and meet current FAA requirements for ALP drawings

### Objectives

- Enhance customer and airport user safety, service, and experience
- Enhance revenue and economic development efforts
- Enhance airport operational revenues
- Meet federal grant obligations, FAA design standards, and policies
- Refine land use, land development plans, 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 (e.g., passengers, general aviation pilots, tenants, etc.), and agencies
- Capitalize on Airport and Project branding

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The MAA is continuing to increase the number of passengers and grow international service at the airport. The Master Plan Update will consider what airport improvements may be needed to accommodate this growth.
Master Plan Update Focus Areas

- Identify long-term requirements associated with **GA facilities**
- Accommodate future land and facility requirements of existing tenants and potential new tenants
- 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** (domestic and international)
- Review plans for extension of Runway 9R/27L and a connecting taxiway between Runway 9R and 9L thresholds
- Support ongoing efforts and studies to **replace the existing air traffic control tower** (ATCT)
- **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**
- Address **future land** needs
MLB and Local Communities
Sustainability and Community Involvement

How Can the Airport Continue to Enhance the Community’s Experience and Perception?

• What would improve your experience?
• Any issues or concerns?
• What improvements would you make at MLB over the next 5 year period? 10 years? 20 years?
  o Community initiatives
  o Enhanced communications
  o Facility improvements
  o Partner with the community to address local concerns

Airport Sustainability is a holistic approach which ensures the integrity of the economic viability, operational efficiency, natural resource conservation and social responsibility of the airport. (www.aci-na.org/static/entransit/Sustainability%20White%20Paper.pdf).

MLB Hosts an Annual Air & Space Show

MLB Has a Long History of Supporting Aviation and the Community
Commercial Service Passengers

We want to hear what you think about:

• Your experiences at MLB
• What would improve your experience?
• Any issues or concerns?
• How could we improve your experience in our terminal?
  o ticketing, security screening, baggage claim
  o restaurant, gift shop, and museum
  o departure lounges, concourse amenities
  o airport access and parking
  o International travel
• What improvements would you make during the next 5 year period? 10 years? 20 years?
Airport Tenants and Users

We want to hear what you think about:

• Your experiences at MLB
• What would improve your experience?
• Any issues or concerns?
• What improvements would you make at MLB during the next 5 year period? 10 years? 20 years?
  o Additional land
  o More hangars
  o New facilities
  o Fuel sales and services
  o Additional / improved aviation services
  o Runway / taxiway improvements
  o Improved NAVAIDs / instrument approaches
  o On-airport restaurant(s) / concessions
  o Location for public to view aircraft
Future of Airport Development

Issues for Consideration:

• Continue to improve air travel options at MLB
• Support general aviation
• Retain existing tenants and accommodate growth
• Continue to attract new aviation and non-aviation tenants
• Continue to increase local, high-paying jobs
• Increase and diversify airport revenues
• Environmental stewardship, minimize impacts
• Potential land acquisition needs
• Evolving regulations and FAA design standards

What is your vision for MLB?
Available Land
Submit Your Comments!

The following surveys are available:

- General Aviation Users
- General Public
- FBO and Service Providers
- Large Aerospace Tenants

Comments

Comment forms are also available at this meeting for your convenience. You may submit written comments or surveys during this workshop, by email (info@mlbmasterplanupdate.com), or mail to:

Michael Arnold
ESA Airports
5401 South Kirkman Road, Suite 405
Orlando, FL 32819

Please submit your comments by June 5, 2015.

All materials are available on the MLB MPU project website:
www.mlbmasterplanupdate.com

Next Steps

- Review surveys and comment forms
- Conduct a demand/capacity analysis
- Identify future facility needs
- Conduct additional public outreach when applicable