



Airport Master Plan Update

February 24, 2015



Airport Master Plan Purpose

- Describe the short-, medium-, and long-term development plans to meet future aviation demand
- Varies in complexity and detail depending on the size, function, issues, and problems of the airport
- Goal - to provide a strategy for future development that will cost-effectively satisfy aviation demand
- Use Airport Strategic Plan as a guide for MP



Airport Master Plan Objectives

- Document the issues surrounding proposed development on and around the airport
- Establish a realistic schedule for the development
- Provide capital improvement program and achievable financial plan to support the development implementation schedule
- Develop a plan that satisfies local, state, and Federal regulations
- Document policies concerning the preservation of the integrity of the airport



Airport Master Plan Structure

- Steering Committee
 - Tenants, businesses, community, Planning and Zoning Commission members, FAA, TxDOT, staff
- Steering Committee meetings
 - March 31, August 19, February 12
- Executive Committee
 - Airport and Town Staff
- Public/Tenant meeting
 - September 30, 2014



Airport Master Plan – Completed Elements

- Notice to Proceed – February 19, 2014
- Facilities inventory – land and airside improvements
- Aviation Demand Forecasts and trends
 - FAA, NBAA, GAMA data
- Capacity and Facility Requirements
- Alternatives/Redevelopment (90%)
- Existing Airport Layout Plan Update
- GIS development (75%)



National Forecasts and Trends

- National Aviation Forecasts and Trends
 - FAA, NBAA, GAMA
- FAA projects slow, steady growth in pilot population during planning period (2014-2034)
- Jet traffic has largest percentage of active aircraft projected increase - 92% increase over planning period
 - Movement of GA to higher-performing, more demanding aircraft



Addison Forecast and Trends

- Aircraft Fleet Mix Type – ADS during planning period (2014 to 2034)
 - Single-engine: 10.3% increase
 - Multi-engine: 32% increase
 - Turbo-prop: 86% increase
 - Turbo-jet: 139% increase
- Operations:
 - Local: remaining in local traffic pattern or w/in 20 mile radius of airport
 - 8% of traffic
 - Itinerant: all other traffic
 - 92% of traffic
- Reflects business focus of airport



Addison Inventory and Capacity – Airside and Landside

- Airfield inventory and capacity analysis
 - Runway – adequate to handle current and projected traffic
 - Taxiways – extension and widening of Twy Bravo recommended to open up future development opportunities
 - ILS – issues with existing ILS serving approaches on Rwy 33 have been discovered; reimbursable agreement with FAA in progress
- EMAS – corrected deficiency in Landing Distance Available for RWY 15
- Airfield lighting and signage – adequate to meet standards and design criteria
- Aircraft and fuel storage capacity and condition – adequate to meet current demand



Addison Landside Development Concepts

- Strategic Plan goals:
 - To enhance airport's overall value to ADS stakeholders
 - To fully integrate ADS with Town
 - To promote innovative practices in all aspects of airport management
- Redevelopment opportunity
 - Lease expirations in next 8 years



Airport Master Plan – To be Completed

- Capital Improvement Program
- Finance management plan
- Airport Layout Plan – reflecting preferred airside and landside options
- Development Alternatives
- Design Standards
- GIS revisions – Water and Wastewater Master Plans incorporated



Addison Master Plan – Next Steps

- Refine development alternatives presented February 12th to Steering Committee
- Design standards – materials, lighting, signage
- Neighborhood concept based on taxiways/taxilanes
 - Allows each area to be defined by current and future use – like users grouped
 - Allows for more efficient design of facilities and ease of operation
- Next meeting – mid-April
- FAA and TxDOT review
- Completion expected Fall 2015



Questions?