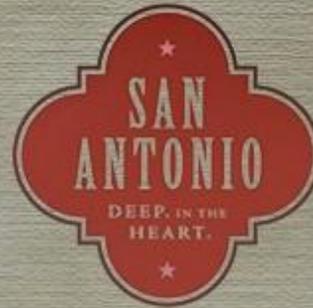


# Stinson Municipal Airport Master Plan

## Planning Advisory Committee



Meeting #2

November 15, 2011

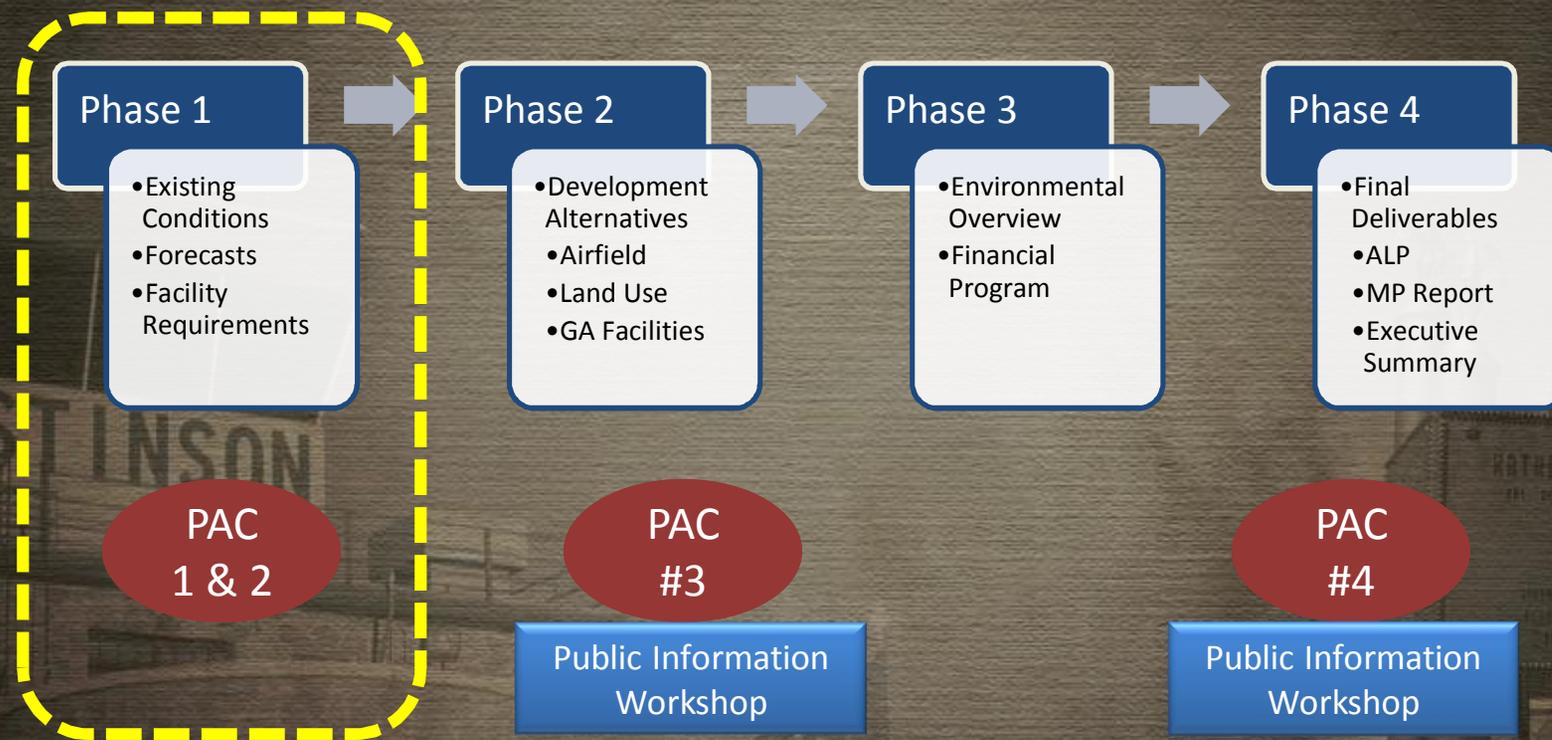


# Agenda

- Study Process Update
- Existing Conditions
- Tenant and User Surveys
- Forecast Overview
  - Service Area Demographics
  - Future Activity Projections
- Next Steps
- Questions & Answers



# Study Process Update



# Existing Conditions

- **Approximately 370 acres**
- **General Aviation Reliever Airport**
  - National Plan of Integrated Airport Systems (NPIAS)
  - Texas Airport System Plan (TASP)
- **Runway 14-32 – 4,128 feet long**
- **Runway 9-27 – 5,000 feet long**



# Surrounding Airspace



# Existing Airfield Facilities

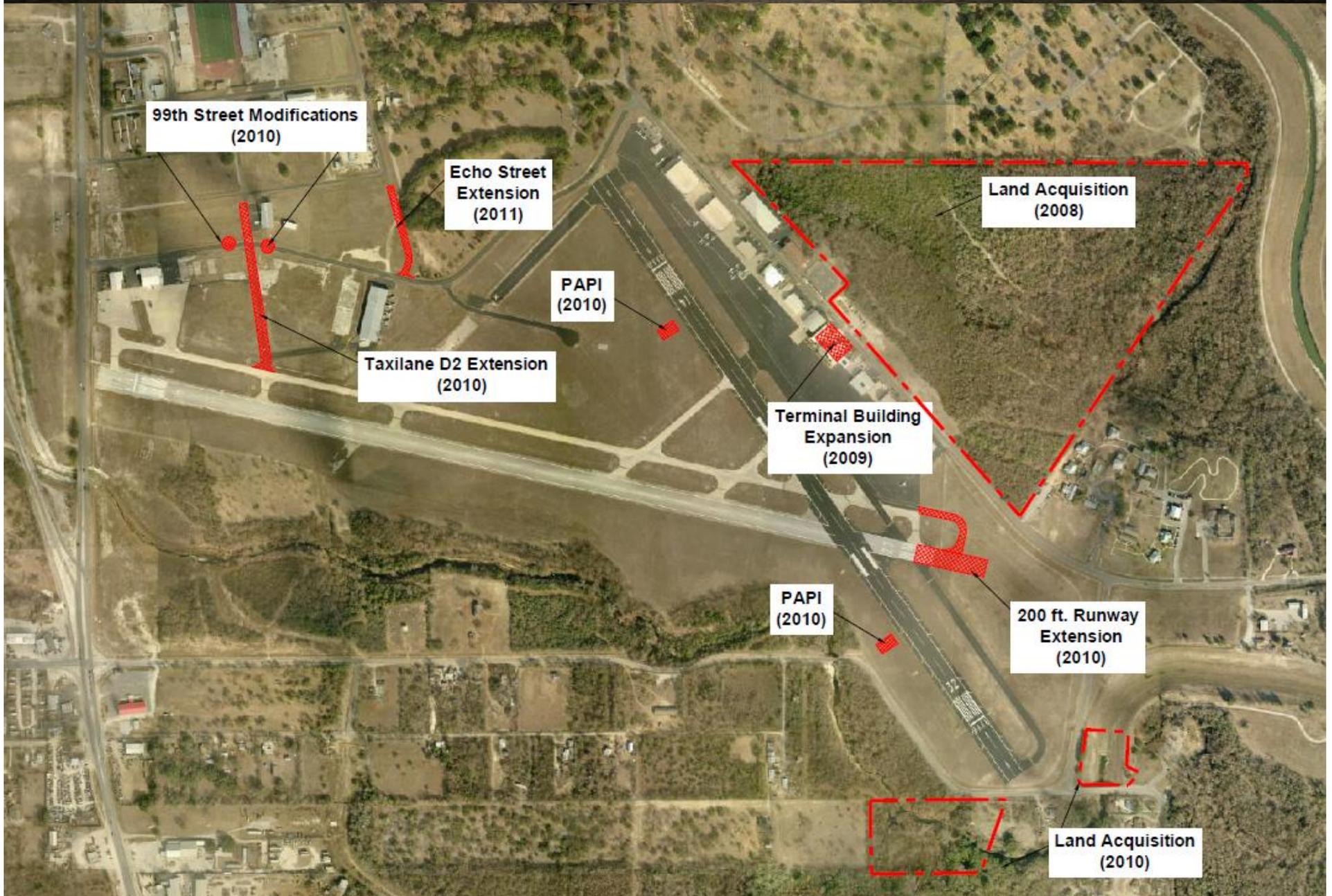


# Recent Capital Improvements

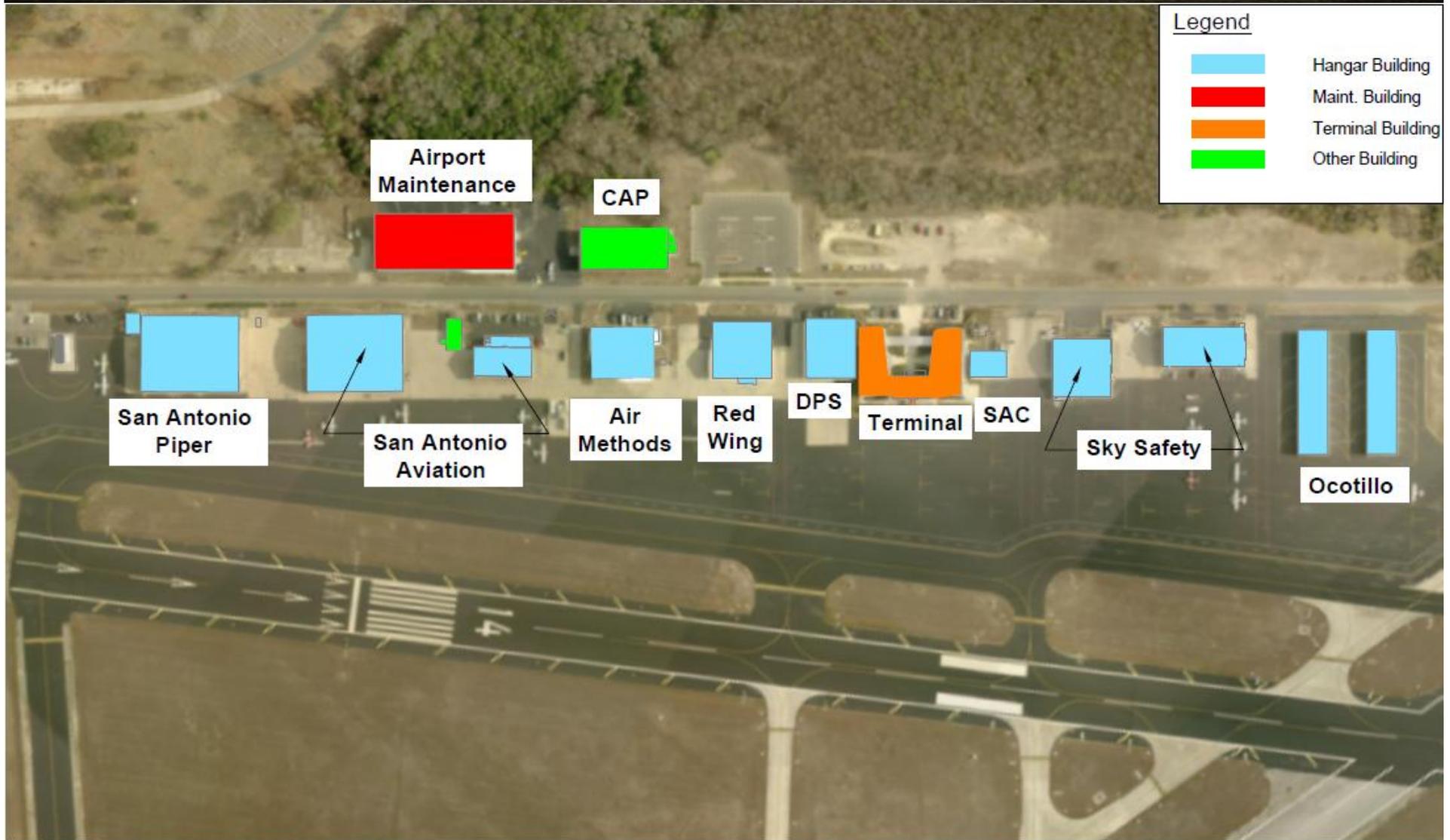
- 74 Acres of Land Acquisition – 2008 & 2010
- Terminal Building Expansion – 2009
- Runway 9-27 extended to 5,000 feet – 2010
- Runway 14-32 PAPI installation – 2010
- Taxiway D2 Extension & 99<sup>th</sup> Street modifications – 2010
- Echo Street Extension – 2011



# Recent Capital Improvements



# Existing General Aviation Facilities – East



# Existing General Aviation Facilities – West



# Existing Conditions

- **Additional Items for Documentation**
  - Land Use/Compatibility
  - Roadways/Access
  - Airspace/Air Traffic Operating Conditions
  - Meteorological Conditions
  - Airport Security/Fence
  - Airship Mooring
  - Fire Fighting Facilities
  - Airport Utilities
  - Environmental/Financial



# Tenant and User Surveys

- **Monthly Tenant Meeting**
- **Printed and electronic formats**
  - Survey Monkey version for distribution
  - Response Timeframe: anticipate 30 days
- **Tenant Survey**
  - To be distributed to all 18 tenants
  - Questions regarding anticipated growth of operations, services, etc.
- **User Survey**
  - Questions regarding use of existing facilities
- **Both surveys ask questions regarding:**
  - Current Needs
  - Future Facilities
  - Issues and Concerns



# Aviation Activity Forecasts

- Airport demand – past, present, and projected
- Assumes unconstrained conditions
- Assesses national, state, and regional growth
- Data Sources:
  - Federal Aviation Administration Aerospace Forecasts
  - U.S. Census Bureau
  - Texas State Data Center
  - Woods and Poole Economics
- Implementation will be based on demand

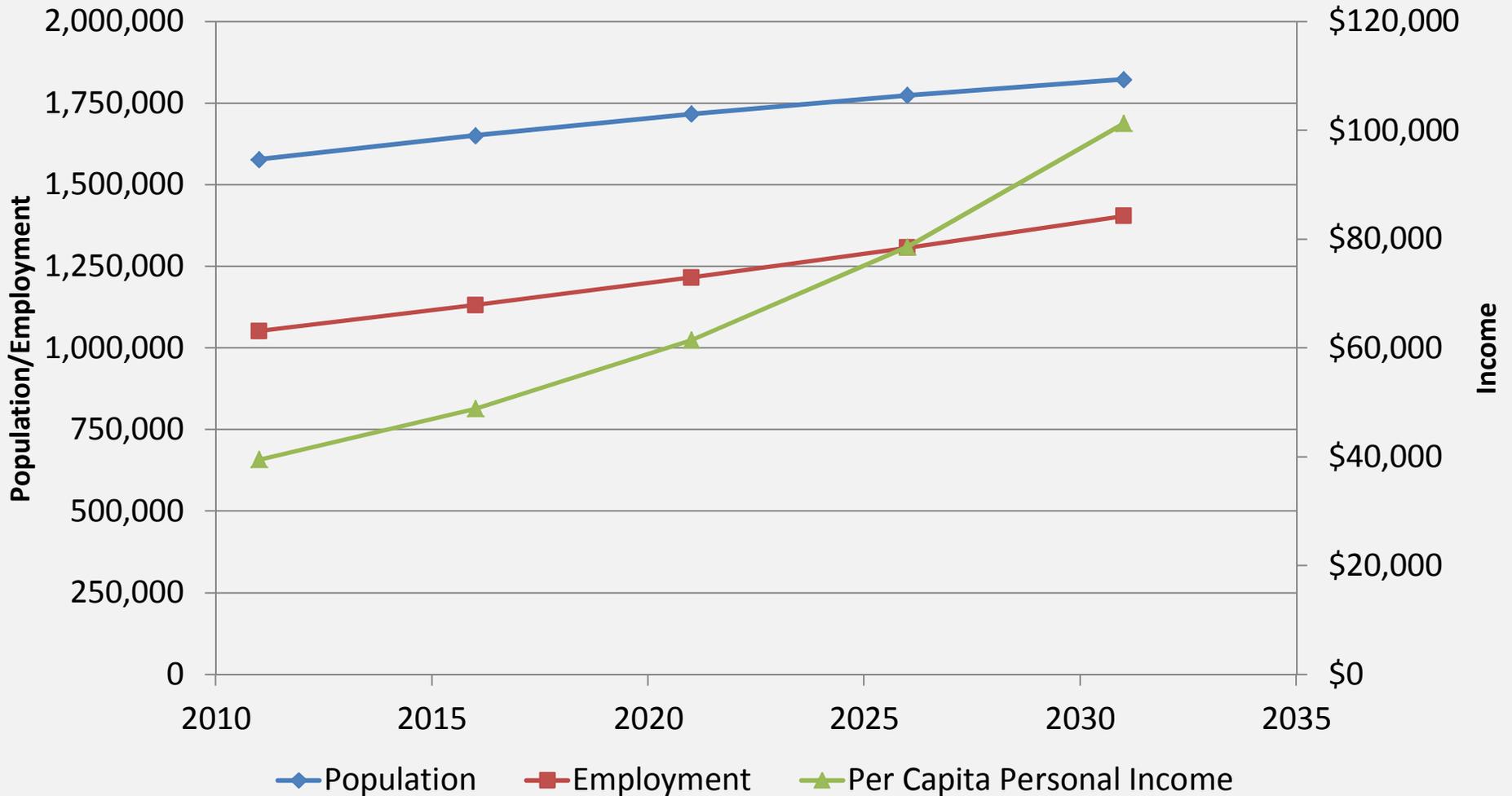


# Service Area Demographics

- **Airport service area – Bexar County**
- **Texas and Bexar County higher than national average growth between 1990 and 2010.**
- **Bexar County (2000 – 2010)**
  - **Population – 19% increase; annual average 2.1%.**
    - 1.9% in Texas, 1.1% in U.S.
  - **Employment – 17+% increase; annual rate of 1.9%.**
    - 1.8% in Texas, 0.9% in U.S.
  - **Per Capital Income – 26% increase; annual rate of 3.3%.**
    - 3.8% in Texas, 3.4% in U.S.



# Service Area Demographic Projections

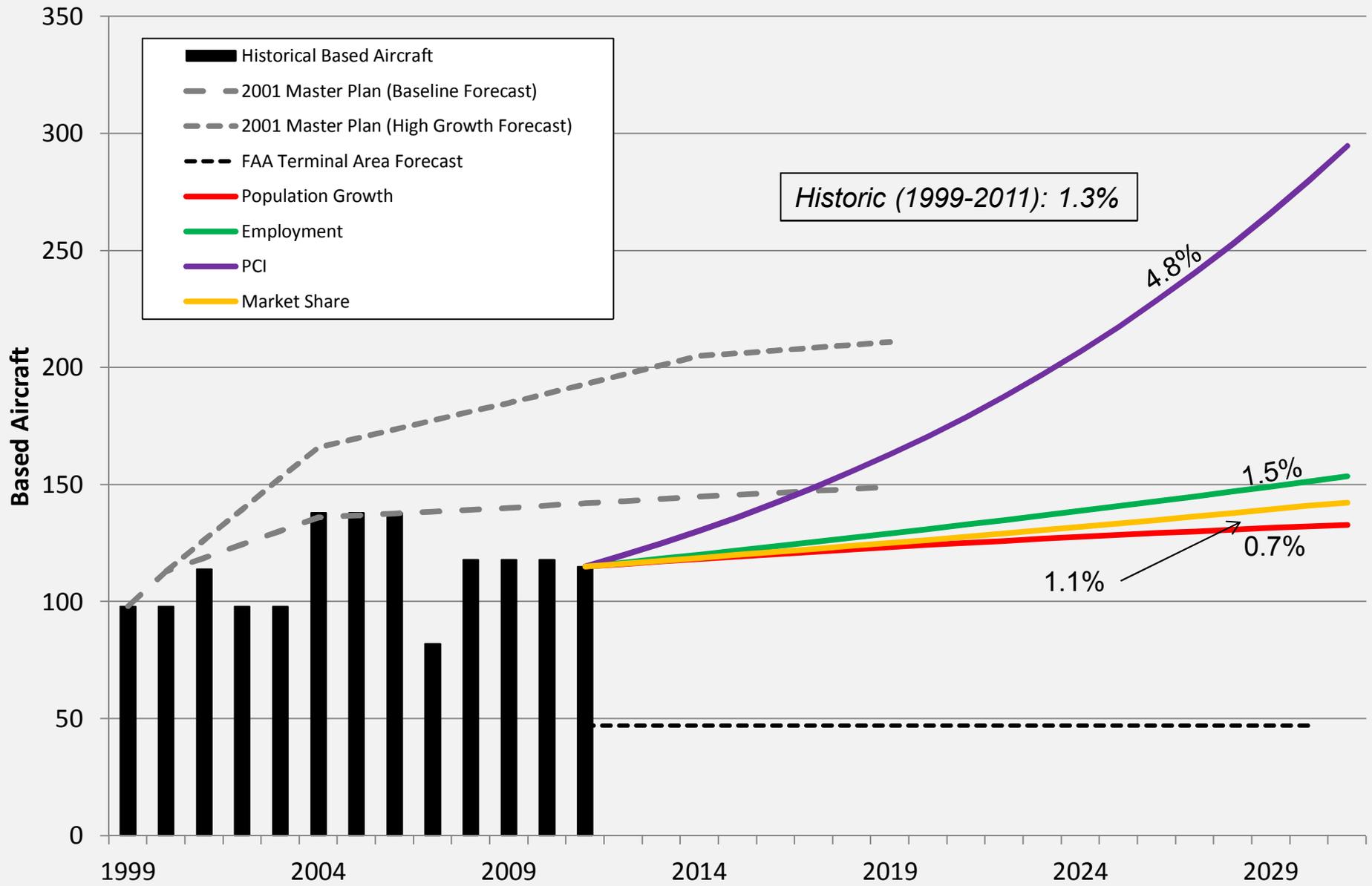


# Based Aircraft Forecast

- Increased 17% to 115 aircraft since 1999.
- Based aircraft survey recently completed.
- Recommendation formed using a Market Share approach
- Projected to grow to 142 by 2031



# Proposed Aviation Forecast Based Aircraft Projections

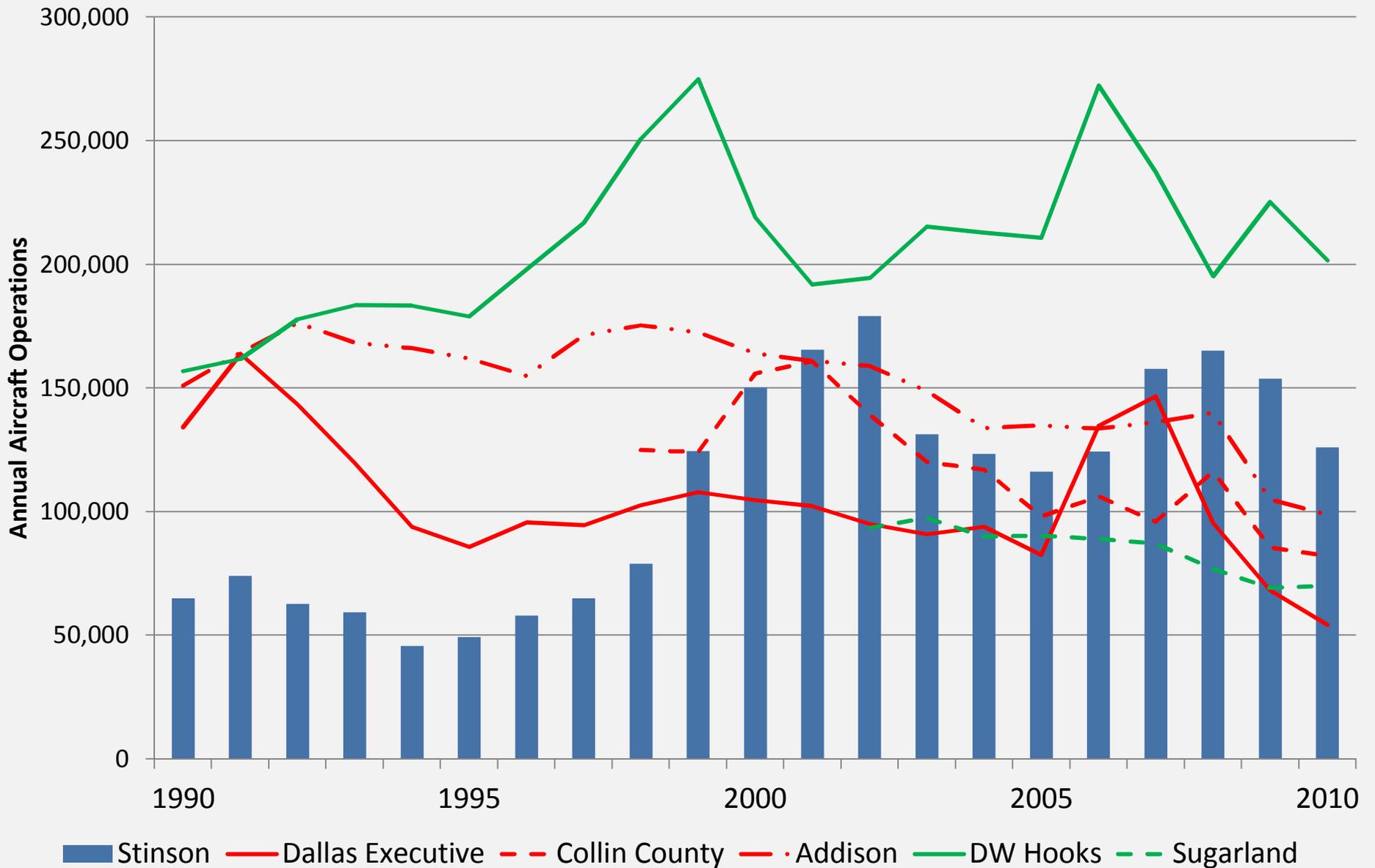


# Operations Forecast

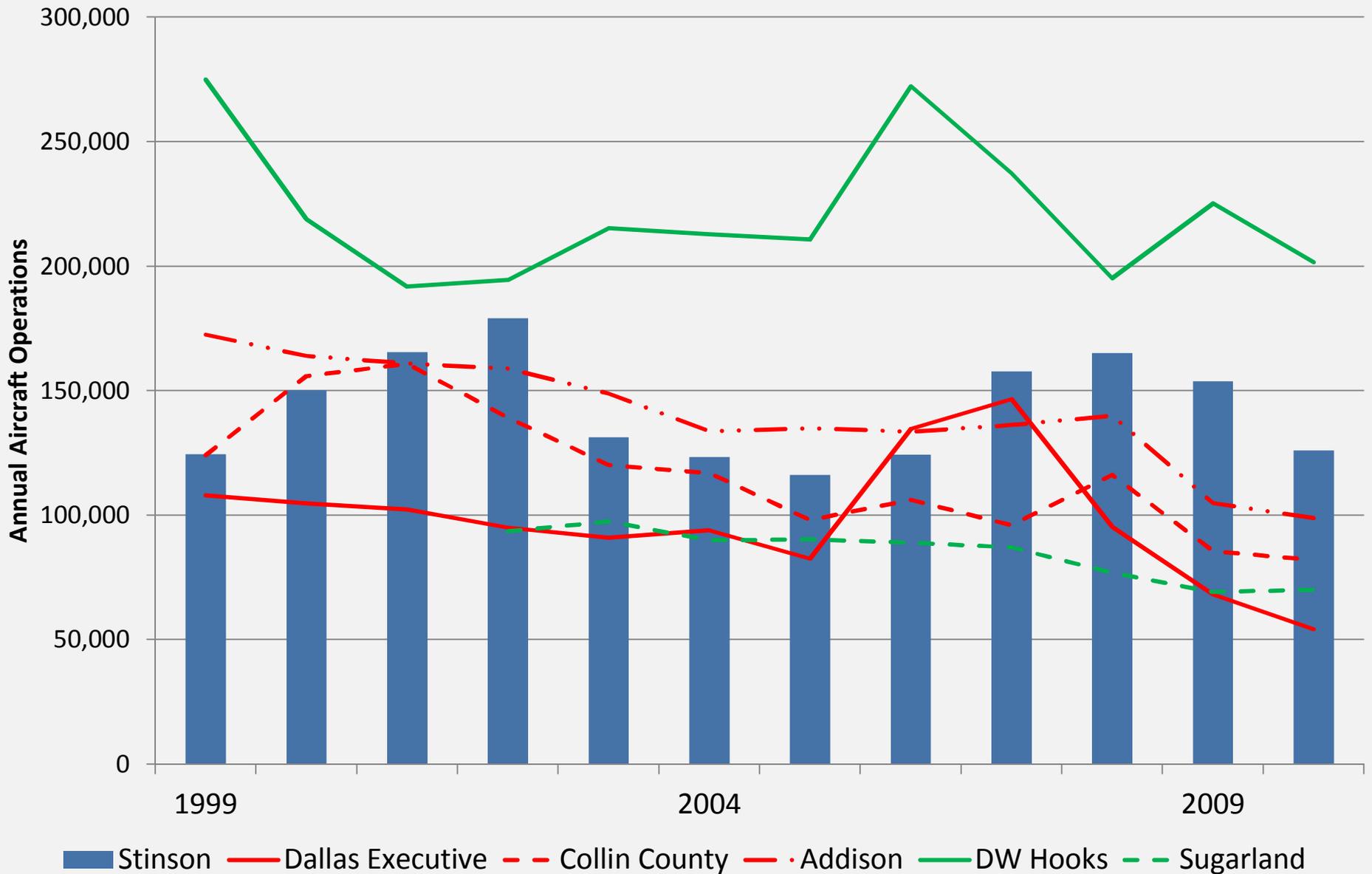
- Operations increased 94% from 1990 to 2010
- Operations decreased 16% from 2000 to 2010
  - Flight Schools
  - Economic Conditions
  - Wright Flyers



# Historical Aircraft Operations



# Historical Aircraft Operations

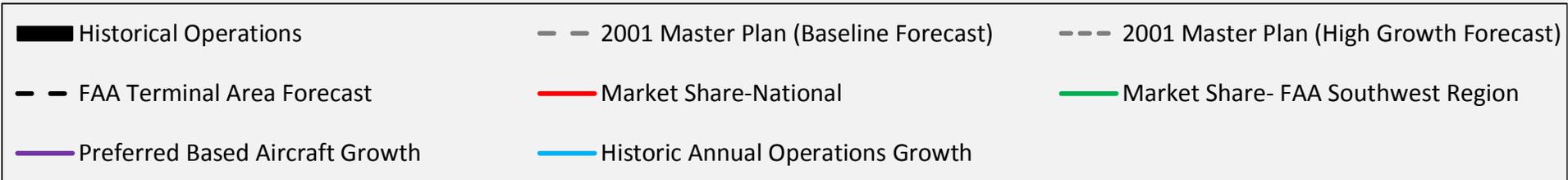
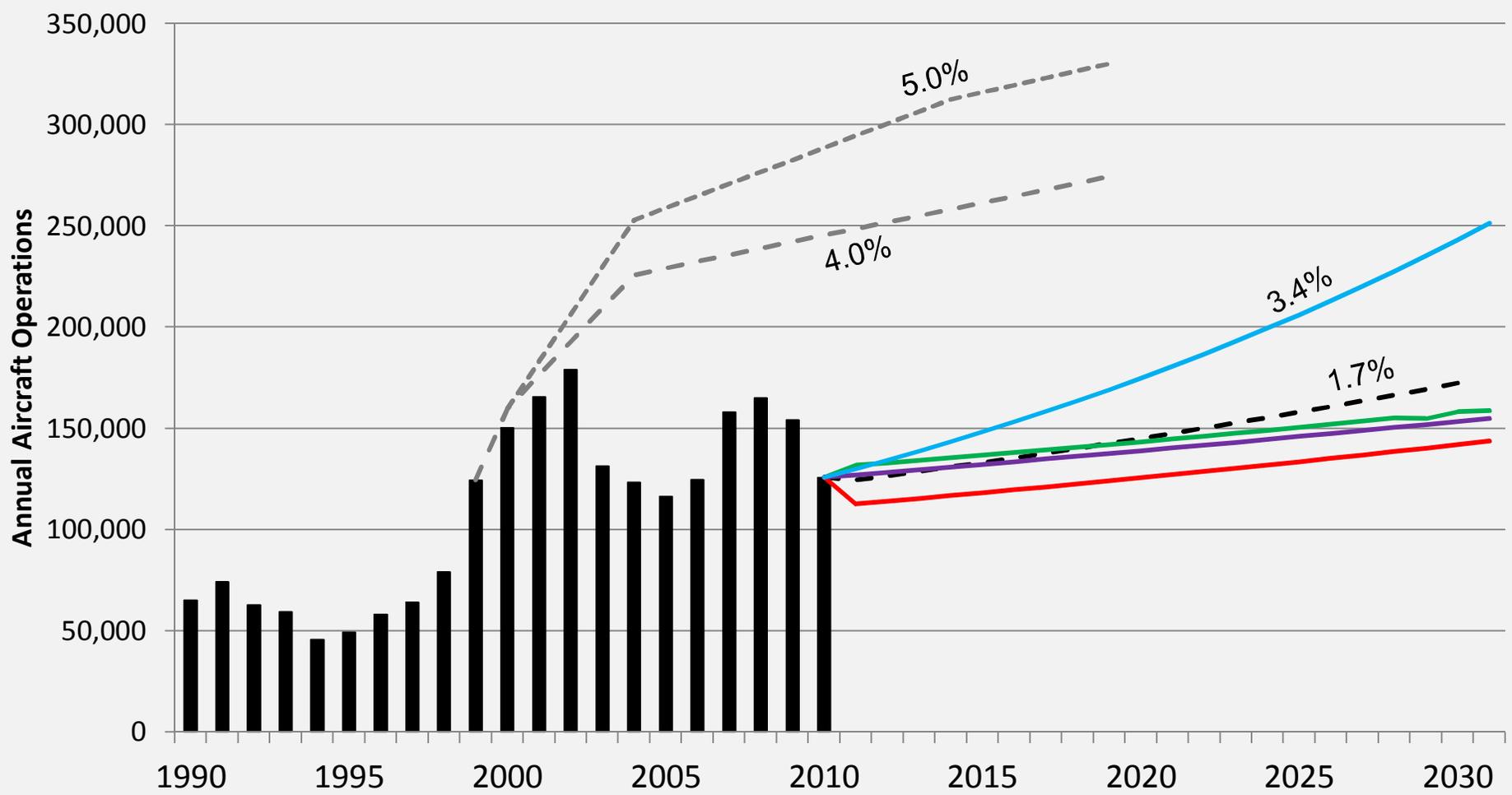


# Operations Forecast

- **Operations have decreased from 179,122 in 2002 to 125,634 in 2010**
  - Flight Schools
  - Economic Conditions
  - Wright Flyers
- **Operations through September 2011 – 97,759**
- **Operations during same period in 2010 – 94,700**
- **Preliminary operations forecast for 2031:**
  - Range from 143,700 to 251,400 operations annually
  - Several methodologies used



# Proposed Aviation Forecast Aircraft Operations Projections



# Forecast Summary

- **Based aircraft growth to 142 by 2031.**
- **Operations increase projected**
  - At least 55,000+; as much as 163,000+
  - Baseline and high growth options for planning purposes.
- **Split between local and itinerant operations assumed to remain at approximately 62% and 38%, respectively**



# Next Steps

- **Tenant and User Surveys**
- **City Review and Approval of Inventory and Forecast**
- **Develop Facility Requirements**
- **Develop Alternative Concepts**
  - Airfield
  - Land Use
  - General Aviation Facilities
- **Business Development Workshop**
- **PAC Meeting #3 / Public Information Workshop #1**

