



City of Longmont Vance Brand Airport

Airport Master Plan Update



Knight Piésold and Co.



Airport Features

- **Concrete Runway – 4,800' x 75'**
- **Full-Parallel Taxiway A**
- **Partial-Parallel Taxiway B**
- **Runway and Taxiway Lights**
- **VASIs (4) on both ends**
- **New ASOS: Wind Information**
- **GPS Non Precision Approach to Runway 29**

Airport Activity

- **Business, Flight Training, Private, and Parachute Operations**
- **Medical Flights**
- **Approximately 340 based aircraft**
- **112,000 Operations Noted in 2001**





Master Plan Purposes

- Examines future growth and change at the airport
- Provides a development plan to respond to needs
- Maintains eligibility for FAA Funding
- Serves as a Management Tool

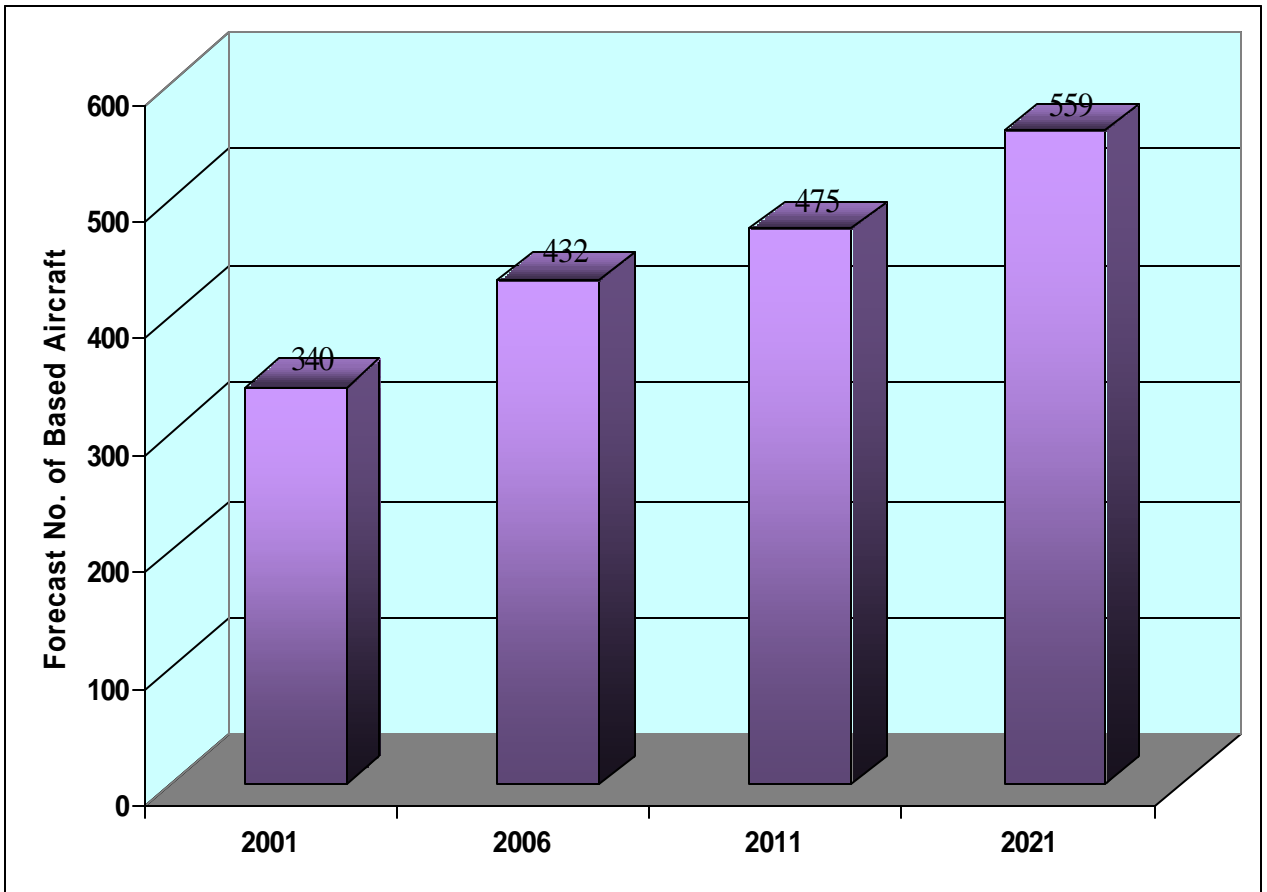


Airport Master Plan Elements

- Airport Requirements
- Analysis of Alternatives
- Environmental Overview
- Implementation Plan
- Airport Layout Plan Drawings
- Public Involvement
- Reports and Documentation

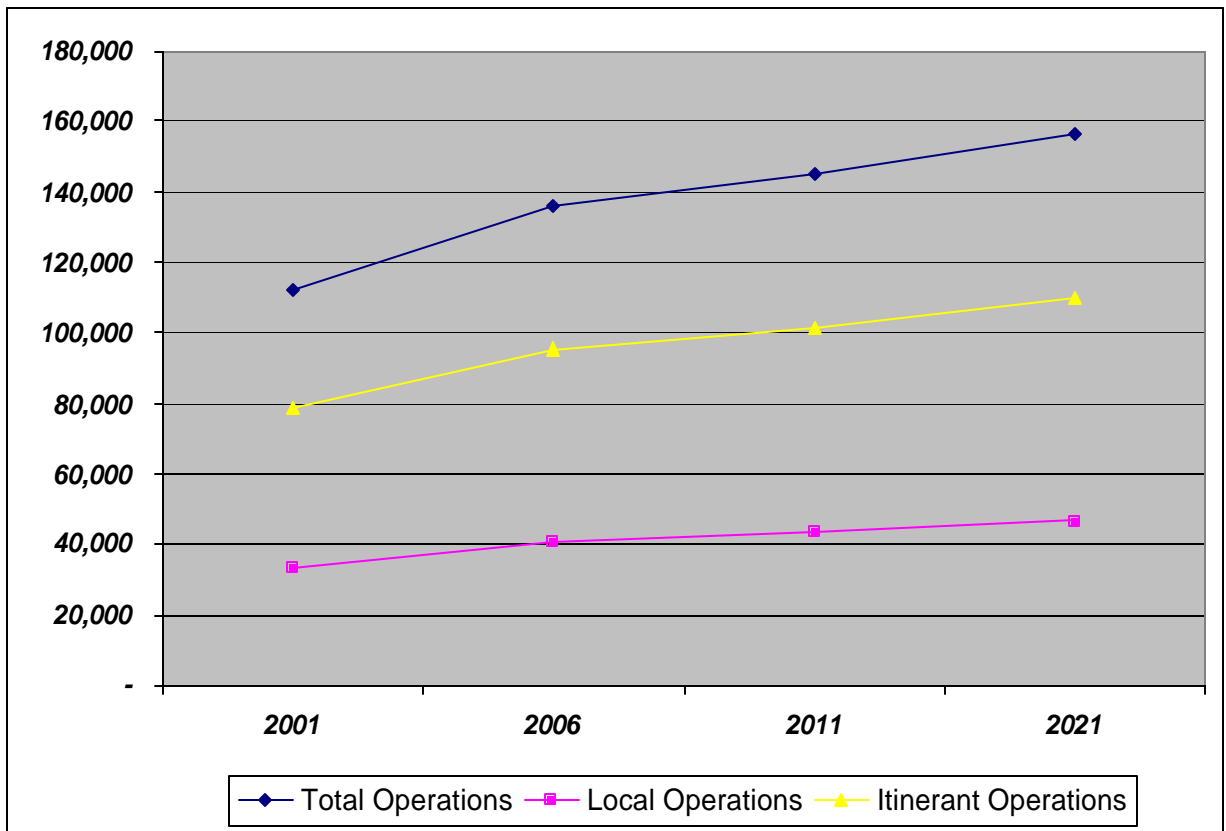
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Based Aircraft Forecast



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Annual Operations Forecast



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Implications of Forecasts

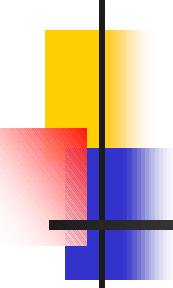
- Increase in overall traffic
- Potential for increased business jet use
- Increases in larger aircraft use (12,500 to 30,000; does not include large air carrier types)





Capacity Analysis

- Annual Service Volume –
230,000 Operations per Year
- Hourly Capacities
 - VFR – 98 Operations per Hour
 - IFR – 59 Operations per Hour



AIRPORT AND RUNWAY DATA

Airport elevation 5055 feet
Mean daily maximum temperature of the hottest month 88.00 F.
Maximum difference in runway centerline elevation . . 24 feet

RUNWAY LENGTHS RECOMMENDED FOR AIRPORT DESIGN

Small airplanes with less than 10 passenger seats
75 percent of these small airplanes 4610 feet
95 percent of these small airplanes 6200 feet
100 percent of these small airplanes 6360 feet
Small airplanes with 10 or more passenger seats . . . 6360 feet

Large airplanes of 60,000 pounds or less
75% of large airplanes at 60% useful load 6860 feet



Preliminary Airfield Alternatives

- Alternative 1 – Do-Nothing
(Maintain 4,800' length)
- Alternative 2 – Extend runway to
6,360'
- Alternative 3 – Extend runway to
6,860'



Next Steps

- **Secure public input**
- **Evaluate alternatives**
 - **Costs**
 - **Land**
 - **Airspace and obstructions**
 - **Environmental**
 - **Community compatibility**
- **Secure public input**



Meeting Schedule

- **First Public Meeting – April 4, 2002**
- **Airport Advisory Board Meeting – April 11, 2002**
Public Works Maintenance Facility,
375 Airport Road 6:P.M.
- **Airport Advisory Board Meeting – May 10, 2002**
- **Second Public Meeting – End of May 2002 TBA**
- **Airport Advisory Board Meeting – June 13, 2002**
- **Airport Advisory Board Meeting – July 11, 2002**
- **Final Public Meeting – End of July 2002 TBA**
- **City Council Meeting – September 2002 TBA**
City of Longmont City Council Chambers
350 Kimbark Street