



Traffic Forecasts for Airport Development Plan

Dallas/Fort Worth International Airport

L EIGH FISHER ASSOCIATES was retained by the Dallas/Fort Worth International Airport Board to prepare an Airport Development Plan Update. As part of the project, Leigh Fisher Associates prepared comprehensive forecasts of passengers, cargo, and aircraft operations.

To reflect potential alternative developments in the long term, forecasts were prepared for three scenarios, with differing focus on short-term and long-term trends affecting aviation demand at the Airport, and differing emphasis on potential implications of various trends, including:

- Regional economic growth
- Planned service development by airlines serving the Airport
- Globalization of world markets and airlines
- Privatization of airlines and airports
- New aircraft technology
- Mix of airline service
- Evolution of airline hubbing operations
- National and international regulation of aviation

Regression analysis was performed to examine the relationships between key “demand drivers” and passenger demand at the Airport:

- **Originating passengers:** Various models were developed using explanatory variables such



Airport Master and Land Use Plan

as regional population, employment and income, and airline fares and yields

- **Connecting passengers:** Various models were developed using explanatory variables such as airline route development at the Airport and national passenger demand

The results of the forecasts were coordinated with a steering group that included Airport staff, community leaders, airline representatives, and the FAA, and served as a key input to the Airport Development Plan Update facilities plan developed by Leigh Fisher Associates.

Client: Dallas/Fort Worth International Airport Board

Services: Forecasting and Economics Master and System Planning