

Dallas/Fort Worth International Airport Automated People Mover Overview

**People Mover Planning Luncheon
North Central Texas Council of
Governments
June 27, 2014**

Skylink Presentation Outline

- **Fast Facts Overview**
 - **Timeline & Milestones**
 - **Operating Capabilities**
 - **Civil Infrastructure / Fixed facilities**
 - **Technology Overview**
- **Questions & Answers / Contact Info**



Timeline & Milestones

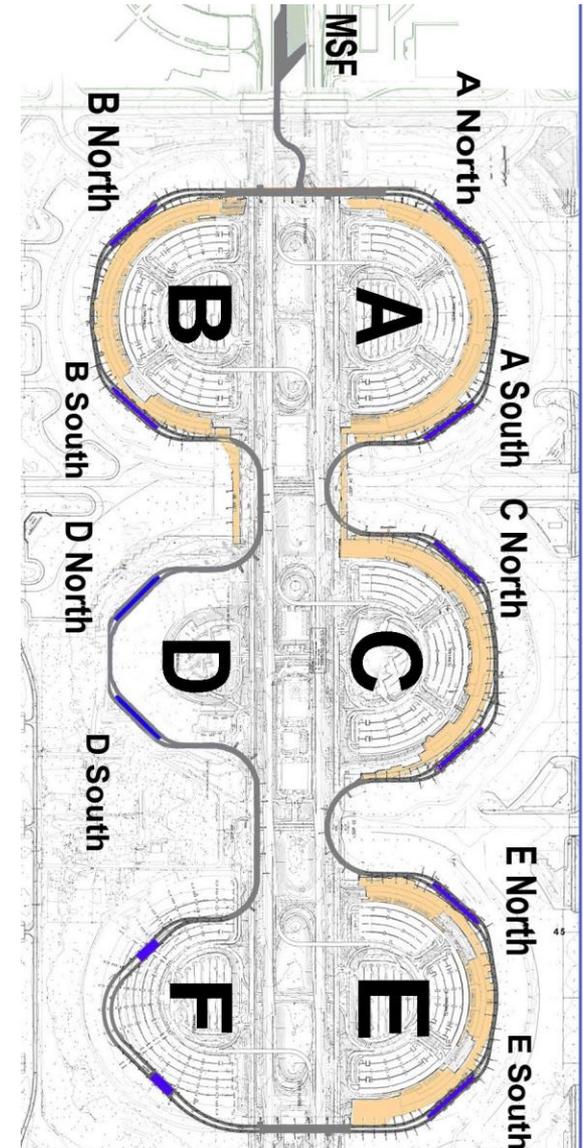
- **Specs & Contract Docs** **1998-1999**
- **Solicitation** **Feb 2000**
- **Construction Start** **August 2000**
- **Public Service Start.** **May 21, 2005**

- **Estimated 133,091,261 passengers to date**
- **29,380,575 miles**



Skylink Operating Capabilities

- Secure-side inter-terminal circulator
- Dual Lane - Bi-directional
- 64 Cars - 32 Married Pairs
- Car Capacity 69 persons (crush load)
- Speed 37 mph (civil restricted)
- System Capacity 5,000 PPDPH
- 20 minutes round trip
- Headway ~ 2 minutes



Skylink Civil Infrastructure (guideway)

- 4.81 miles of dual track guideway around the airside of the terminals
- Elevated 50 to 65 ft. above the aircraft parking apron
- A lighted maintenance/emergency walkway provided the entire length
- 6 emergency egress stair towers
- Lightning protection system



Skylink Civil Infrastructure (stations)

- Two (2) center – platform Stations per Terminal
- Each Station is 475 ft. long with a train platform that is 180ft long and 30ft wide
- Each station feature six (6) escalators, two (2) elevators, and two stair towers.
- Equipment rooms for power distribution system (PDS) 750vdc
- Operating system equipment (communications based train control)



Skylink Civil Infrastructure (maintenance & storage facility)

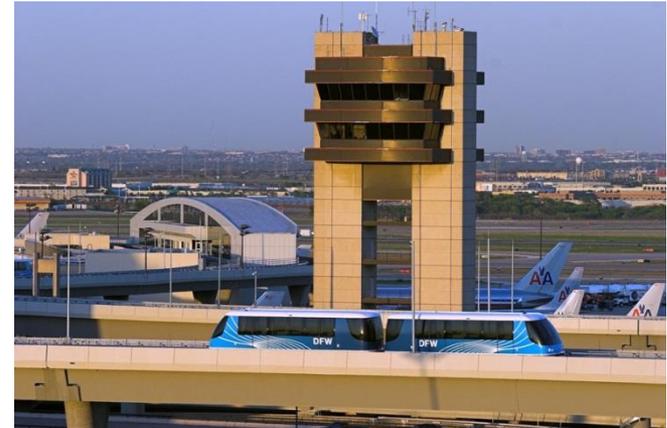
110,000 ft² operations & maintenance facility houses all command, control, and communication functions needed to operate the system

- Administrative Areas
- Maintenance Control
- Bays
 - Heavy
 - Light
 - Overhaul
- Parts Storage Warehouse
- Cleaning Dock
- Train Storage Yard
 - Test Track
 - Pseudo Stations



Skylink Control Technology Overview

- **Automatic Train Control**
 - Automatic Train Protection
 - Automatic Train Operation
 - Supervisory Control & Data Acquisition (SCADA)
 - Monitored Systems
 - Vehicles, Stations, Services
- **Hydronics System**
- **Rail Heating System**
- **Fire Alarm Information Display**
- **Weather Response System**
 - Weather Monitoring Stations
- **Operations Radio System**
 - Vehicles, Station Platforms, Public Address (PA) Signage Controls
- **Mobile Radio System**
 - Recovery Personnel
- **DPS/AOC Hotlines**



Questions & Answers ???

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