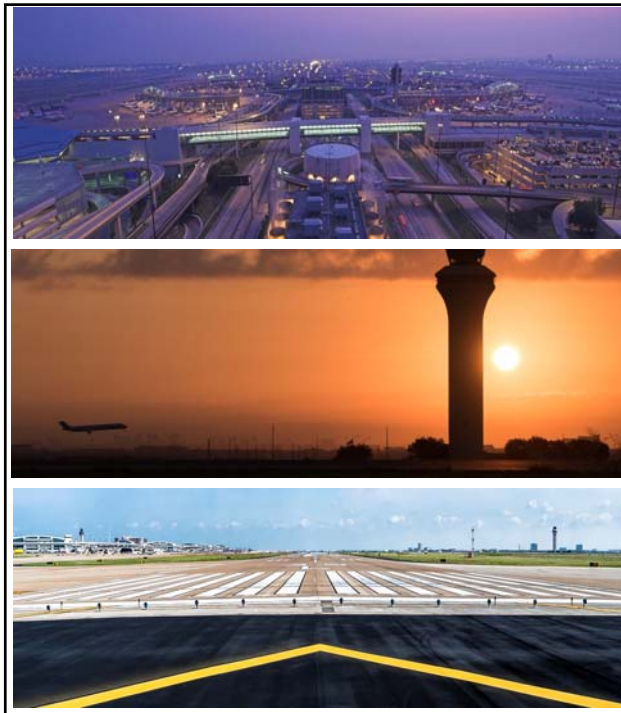


TNCs and Emerging Technologies at DFW Airport

Greg Royster, PE
Sr. Airport Planner



TOPICS

Transportation Network Companies (TNCs)

- Passenger Travel Patterns
- Implications of TNCs
- Operational Impacts of TNCs

Other Emerging Technology/Trends

DFW



3

Passenger Travel Patterns

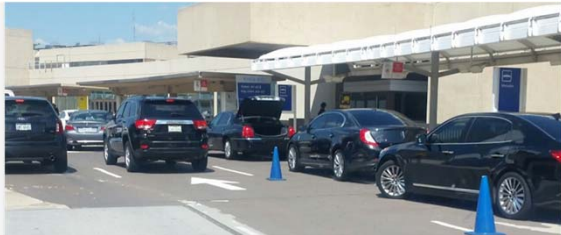
Transportation Access to the Airport is in a state of evolution

TNCs currently account for 25% of Mode Share

Parking revenue continues to show increases year over year

- Passenger volume increases
- Business traveler preferences
- Online Parking Reservation System

DFW



4

TNC's Effects

Initial TNC deployment (2015 - 2017)

- Curb congestion, confusion among drivers and passengers
- TNCs response to growth
- Roadway and parking spillover effects
- Temporary staging areas to hold overflow of Taxis and Limos
- North Texas impact on DFW

Policy and Operational Changes (2018 -)

- Operating Agreement
 - Established licensing and operating conditions and expectations for drivers and customers
- Curbside Reallocation

DFW

Curbside Reallocation

Upper Level



1 Active Loading and Unloading



2 Terminal Link Passenger Pick-up



3 TNCs (Transportation Network Companies)



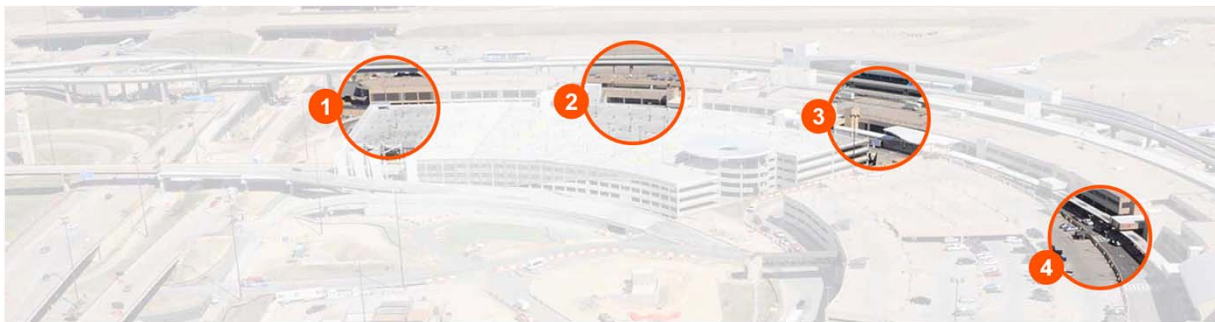
4 Enhanced Signage



5

Curbside Reallocation

Lower Level



1 Curbside Realignment Other GT



2 Taxi



3 Shared Ride / On-demand / Limo



4 Enhanced Signage



6

DFW



Emerging Technologies/ Trends

- Autonomous Vehicles
- Urban Air Mobility



7

DFW



Preparing for AVs at DFW

- DFW new Innovation Team
- Opportunities to implement AV
 - Airside
 - Employee Parking
 - Campus Circulator
 - Last Mile



8

DFW



9

Urban Air Transportation at DFW

- Small, electric aircraft
- Reduces roadway congestion
- Zero emissions, reduce pollution
- Noise comparable to road traffic during takeoff and quiet enough to operate through urban skies
- Requires a new business model
- Facilities and Infrastructure

DFW



Summary

Ground Transportation is in a state of evolution having a direct impact on how people access DFW Airport

Our Actions:

- Adapt to the changing market
- Monitor access activity
- Monitor global industry trends in transportation
- Implement actions as needed

DFW

Thank You

11

DFW