

Ground Transportation Ad Hoc Committee

The Evolving World of Airport Landside Operations

PRESENTED TO:

San Diego County Regional Airport Authority

PRESENTED BY:

Darrin McKenna, P.E.

PRESENTED ON:

February 14, 2019

Introduction

- Darrin McKenna P.E.
 - Vice President, Ricondo & Associates
 - 22-Years of Experience
 - Landside Group Lead
- Ricondo & Associates Inc.
 - Sole Focus is Aviation Management and Planning Consultancy
 - Founded in 1989
 - Serving SDCRAA since 2004
 - Staff of approximately 185 professionals

Introduction

- Transportation Research Board (TRB)
 - Airport Cooperative Research Program – 01-35
 - *Transportation Network Companies (TNCs): Impacts to Airport Revenues and Operations*
 - The objective of this research is to develop a reference guide for airports that will identify strategies for
 - Helping airports adapt landside operations to reflect the evolution of ground transportation modes, and
 - Address the impacts on other airport revenues and operations
 - http://onlinepubs.trb.org/onlinepubs/acrp/docs/ACRP01-35_Tasks3and4.pdf

DRAFT 3
Revised Jan. 14th,
2019

ACRP 01-35
**Transportation Network Companies (TNCs):
Impacts to Airport Revenues and Operations**

Summary of Results for:
Task 3 – Airport Survey and Model Development
Task 4 – Best Practices and Operational Configurations

Senior Program Officer: Theresia H. Schatz
Contractors: Ricondo and RSG
Principal Investigator: Craig Leiner

The National Academies of
SCIENCES · ENGINEERING · MEDICINE

TRANSPORTATION RESEARCH BOARD

ACRP
AIRPORT
COOPERATIVE
RESEARCH
PROGRAM

DRAFT

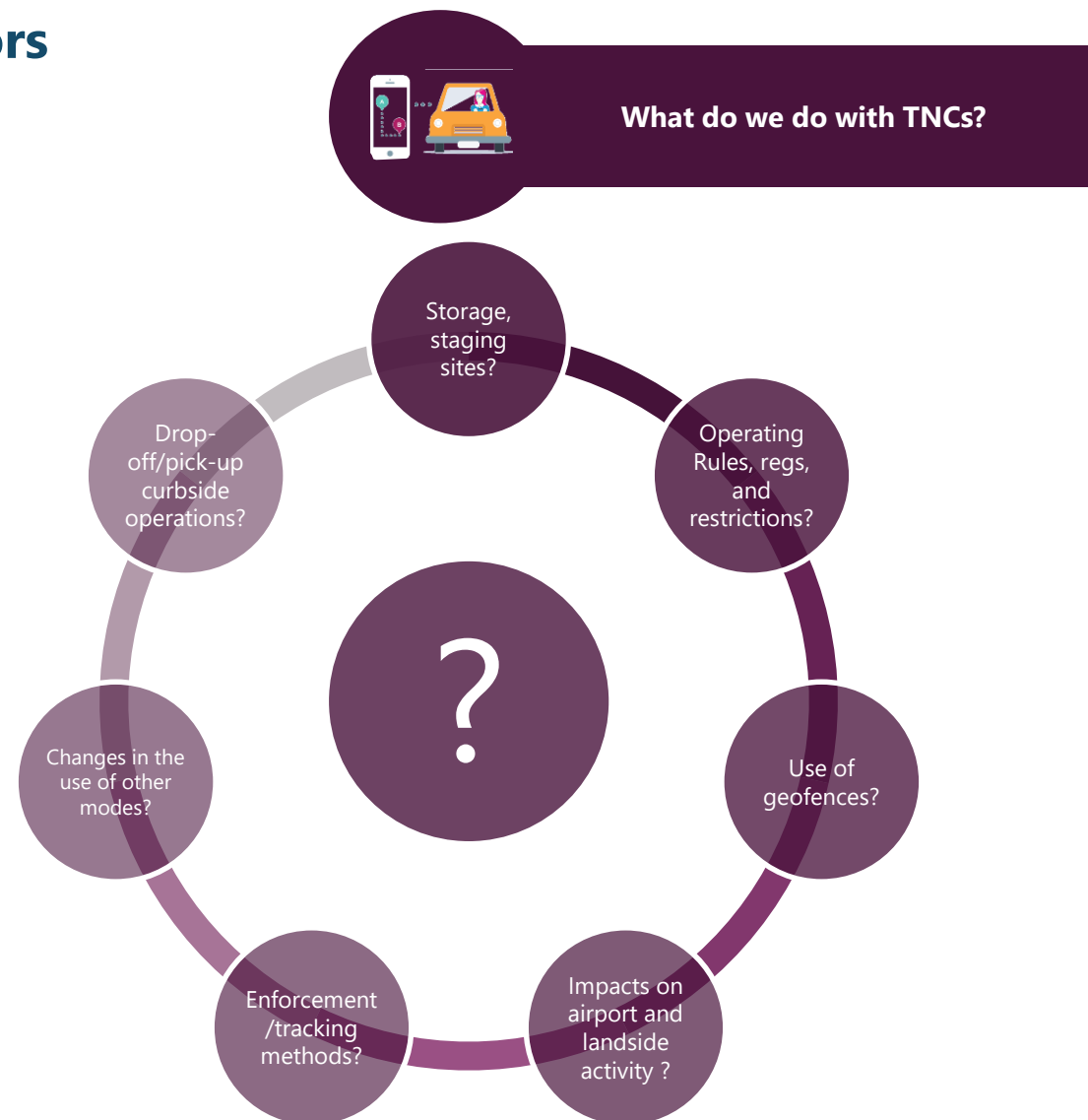


If you've seen one airport...
You've seen one airport

State of the Industry

Challenges and opportunities facing airport operators

- The number one thing most airports have in common is the explosive growth in TNC operations
- While many of the resultant GT issues are similar – many are not
 - Congestion – where and why it occurs
 - Operational constraints – physical or policy driven
 - Financial – positive or negative revenue impacts
- Before TNCs, airport landside operations were by comparison relatively stable and predictable



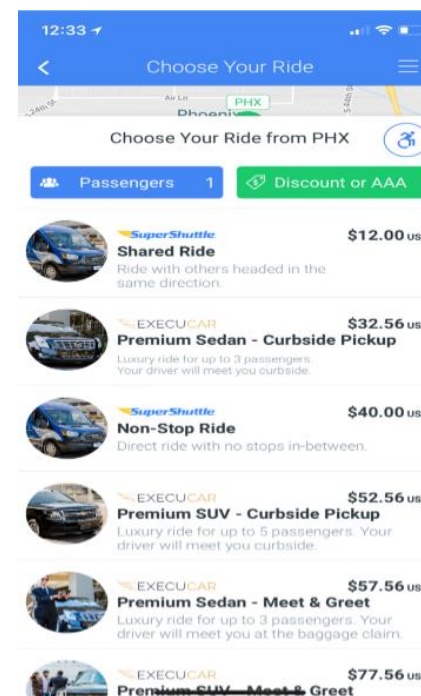
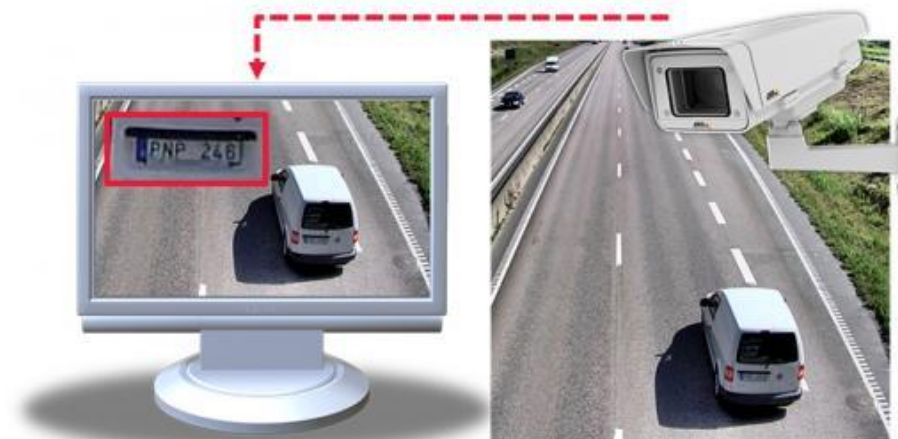
Industry Best Practices

- Airports are developing short and long-term strategies and policies for how to manage their ground transportation operations. How are they doing this?
 - Learn from others
 - Be Active
 - Increased active and proactive management of landside facilities
 - Curbsides, parking facilities, staging facilities
 - Collaboration with partners
 - TNCs, legacy providers
 - Be Nimble
 - Ability and willingness to quickly react to the evolving needs
 - Be creative and innovative
 - Make more mistakes, ask more questions
 - Don't accept the norm, break the mold
 - Allow for disruption
 - Don't stop playing



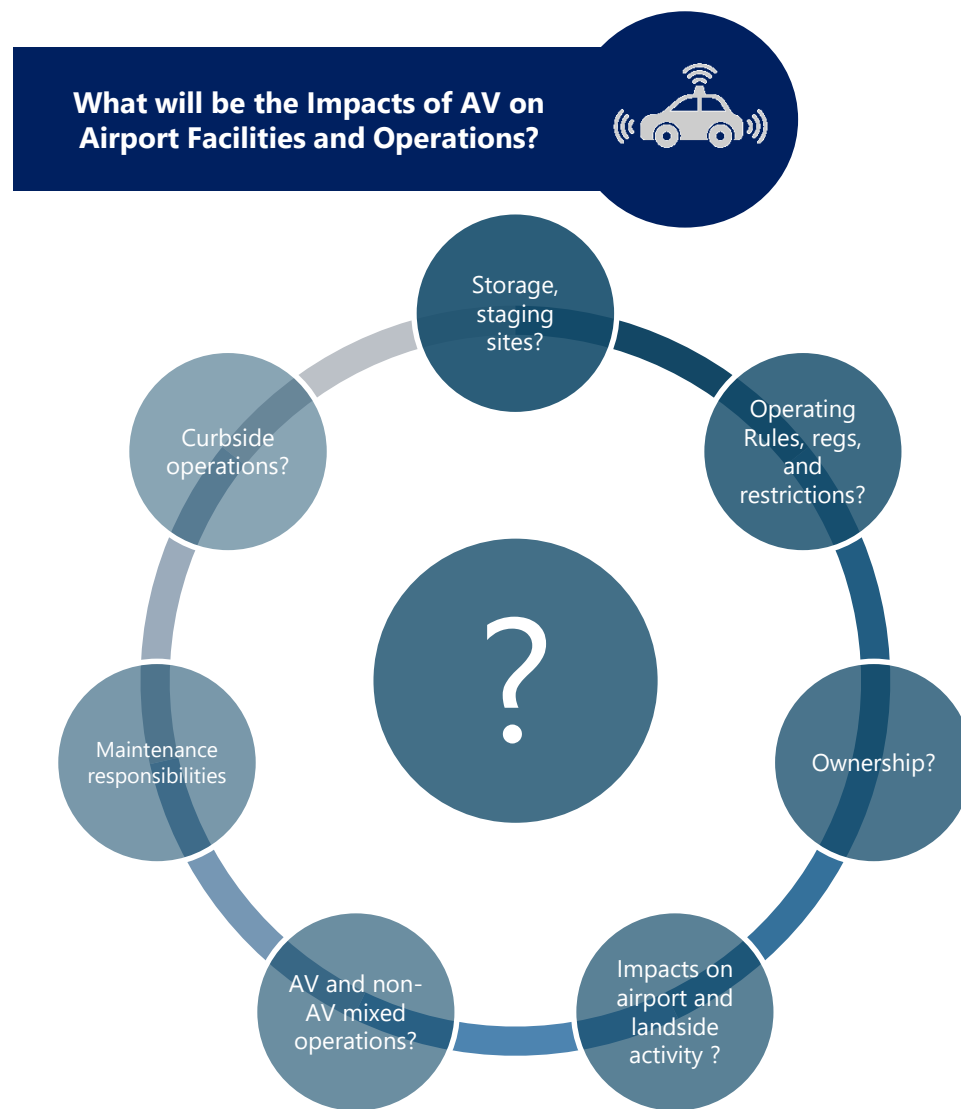
Emerging Trends

- Premium pricing strategies
 - SFO
 - Curbside
 - Garage
- Monetizing curbsides
 - Has not happened...yet
 - Congestion pricing
- Oversight – hand held devices
 - San Francisco / AAE App Based Transportation (ABT)
 - Seattle
 - Third party
- License Plate Recognition (LPR)
 - More than just parking
- Real-time data



New Technologies

- Data Analytics
 - Real-time and historic
 - Predictive modeling
 - Dashboards
 - Traveler information
 - On and Off-Airport
- Real-time vehicle tracking
- On-Demand TNC operations
- Autonomous Vehicles
 - What will be the Impacts of AV on Airports?
 - Reduce Parking Demand
 - Roadways and Curbsides
 - Rental Car and Ground Transportation modes
 - Airport Finances



Thank You



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