Smart Parking Initiatives

North Texas Parking Symposium
North Texas Council of Governments

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54% of world’s population live in urban areas
2050 – Urbanized areas will grow by 2.5 billion
Cities need solutions
Overview

Since building more on-street parking is not a viable option, we must better manage our existing supply

**HOW**

- Invest in technology
- Improve communication
- Provide accurate parking availability data
- Promote alternative modes of transportation
ParkHouston

- Manage 9,500 paid parking spaces
- Monitor and maintain 1,000+ parking meters and two garages
- Support compliance of parking regulations
- Administer parking permits including Residential Permit Parking, Valet, Commercial Zone and Newsracks
- Generate $21 million annually
Parking Guidance System

- Partner with private operators
- Direct parkers to available spaces
- Static and dynamic signage
- Website/app with real-time data
Pay by App

- Went live 2011
- Upgraded in 2017
- Turn key solution
- ‘Find my car’ functionality
- Merchant validation program
- 16% of 2.4 mil transactions
On-Street Car-Share

- Designate on-street spaces for car-share vehicles only
- Went live in January 2016 in Midtown
- Alternative transportation for residents, visitors
Data Analytics

- Analytics – meter transactions, citations and occupancy data
  - Collect data to support demand based pricing by block
  - Collect occupancy data to support pricing
- Occupancy over 85% - raise rate
- Occupancy less than 60% - lower rate
Curb Lane Management

- T4 America Smart Cities Collaborative
- Prioritizing curb space
  - Commercial Loading
  - Passenger Loading
  - Autonomous vehicles
  - Valet
  - Parking
  - Bike lanes
  - Delivery
- Rideshare Pilot
Micromobility

- Dockless Bikes
- Electric Scooters
- E-Bikes
- Regulation challenges in the right-of-way
Thank you!

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