The End of Car Ownership

Florida Autonomous Vehicle Summit
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Will automated cars help or hurt cities?
Will automated cars cut miles and carbon?
Will automated cars be shared or owned?
The average car is used 4% of the time, at 20% occupancy.
Most commuters drive by themselves

American Community Survey, 2013
A new option is emerging: Lyft is helping shift from ownership to ridership.
Lyft is in 300+ cities, covering 95% of Americans with 100,000,000s of rides
People who use ridesharing:

- Less likely to own car
- Drive less
- Take transit more often
- Use other Shared Mobility modes
How Lyft Can Cut VMT

- Increase vehicle occupancy
- Connect to Transit
- Electrification
Over 40% of rides are shared rides in markets where Lyft Line is available
Solving the First and Last Mile Problem
A blend of “right-sized” private and public AVs will meet many different mobility needs

III. Seamless integration with public transit

Shared, electric, autonomous vehicles (e.g. GM autonomous Bolt on Lyft)

Dynamic shuttles (e.g. Local Motors Olli)

Fully autonomous transit buses (e.g. Mercedes bus)
Biggest current barrier: competing with cars on cost-per-mile
Better Together

- Shared
- Electric
- Autonomous
Reduce cost by 80% and emissions by 90%.

THE ULTIMATE SUBSCRIPTION

VEHICLE PAYMENTS

INSURANCE

MAINTENANCE

FUEL

PARKING

REGISTRATION

$9,000 Annual Cost Per Vehicle

Mileage Subscription Plans
HUMAN DRIVERS

AUTONOMOUS + HUMAN

5-10 YEARS

AUTONOMOUS

10 YEARS

TODAY
“By 2025, private car ownership will all-but end in major U.S. cities.” – Lyft Cofounder John Zimmer

We will go from 250 million+ vehicles to <100 million by 2030
What can cities and states do today?
Cities re-designed for people
The 20th century way

How many people can this street serve per hour?

Up to 29,600

Source: NACTO Transit Street Design Guide
But what if we design with new technology for people?
Smart Lanes priced to manage demand and occupancy
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