On-Demand Mass Transit

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Transportation is undergoing a major transformation

- **1900:** 20mm horse carriages
- **1900 -> 1930:** 15mm Model T cars, 3,000 horse carriages
- **2016:** 1.2bn private cars, 9mm buses
- **2016 -> 2025:** On-demand, shared, electric, autonomous
Via: Built for public transit

- On-demand, dynamic bus
- Singularly focused on shared rides
- Low, Flat Fares: e.g. $5 in Manhattan
Fully dynamic, on-demand public transit

Managed service, real-time customer support
- Automated monitoring tools

Virtual bus stops

Predictive matching and routing algorithm
• Also operating in Chicago + Washington, DC

• More than 8.5 million rides to date

• About 200,000 rides a week
High Level of Efficiency

Daily Bookings / Vehicle Dispatched (TLC Data)

Source: NYC Taxi & Limousine Commission. Last twelve months based on latest available verified data.
Via: Licensed Technology Solution

- Fully-localized vehicle routing and passenger aggregation system
- Operational guidance
- Driver and dispatcher training
- Advanced analytics and reporting tools
Public Policy Implications

• Public policy should encourage shared rides over single-passenger occupancy (congestion, emission of GHGs/pollutants, etc.)

• Rather than view this technology as competition, cities and transit agencies should embrace it through partnerships that complement or improve existing transit options

• Autonomous vehicles: cities have the opportunity to promote their use in the future as a shared, public resource