



Smart Cities/Smart Transit Agencies

American Public Transportation
Association Legal Affairs Seminar

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Smart Cities

- **Wikipedia:**

“A smart city is an urban area that uses different types of electronic data collection sensors to supply information which is used to manage assets and resources efficiently.”

Smart Transit Agencies

- Smart Transit Agencies are operators who use data collection to improve the delivery of transit service and improve efficiency in allocating scarce resources.



Transit

- AVL Systems
- Real Time Arrivals
- Ridership Statistics
- Electronic Fare Collection
- Service Efficiency Analysis
- Title VI Analysis
- Remix: <https://www.remix.com/transit>

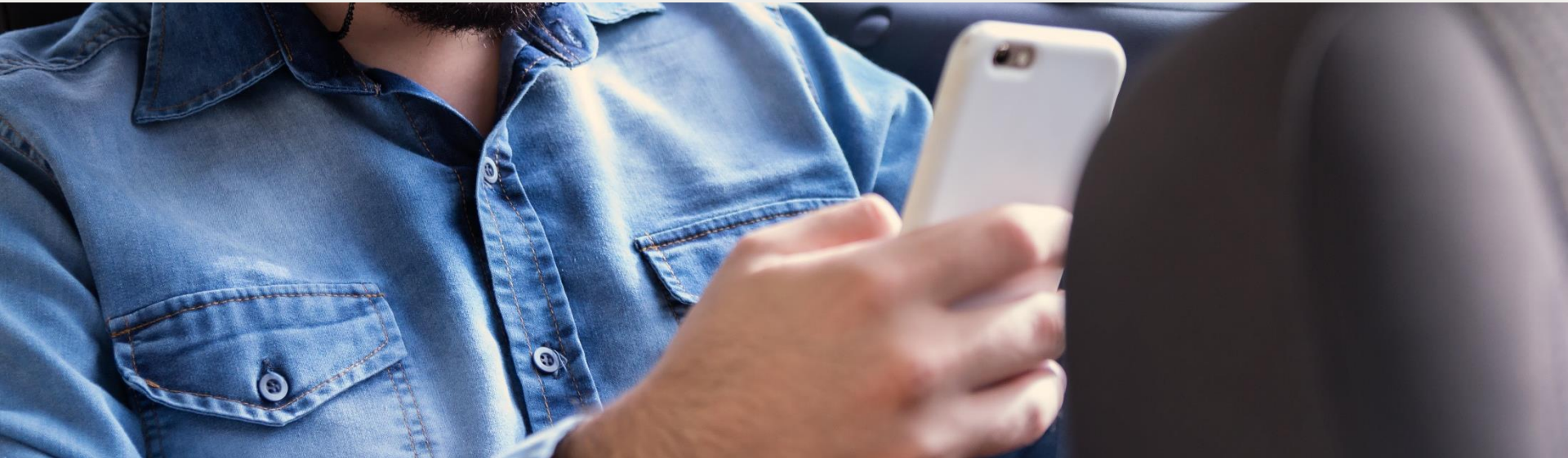
Streets and Highways

- Drive Times
- Electronic Tolling
- Managed Lanes
- Speed enforcement
- Congestion Pricing
- License Plate Readers



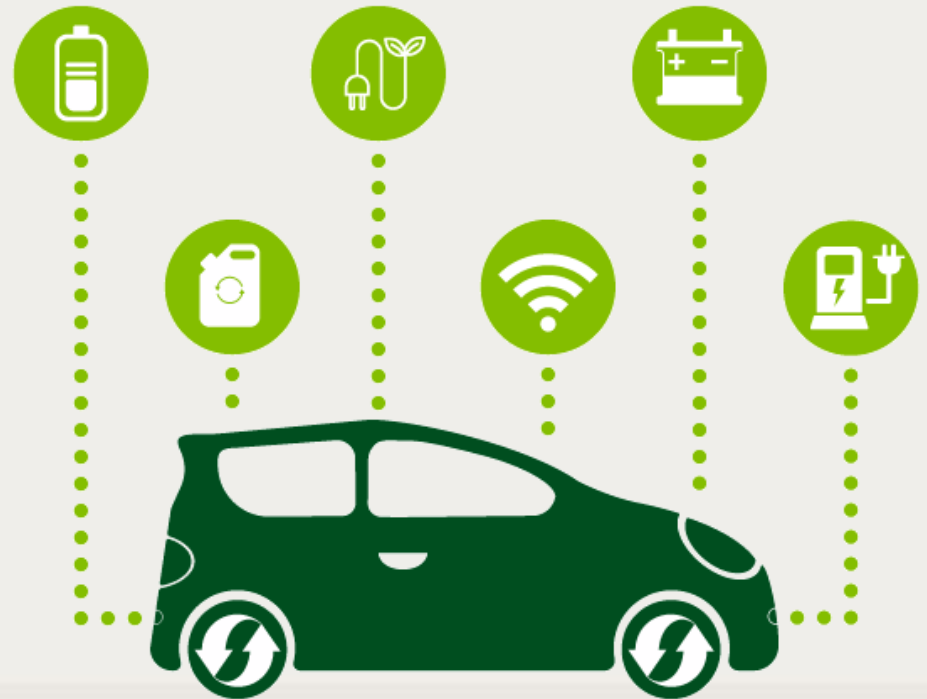
TNC = Transportation Network Companies

- A Data Platform or a Ride-sharing Service?
- Congestion Concerns
- ADA and Title VI Issues



Autonomous Vehicles (SAVs)

- Reliance on data mapping
- Levels 1-5
- Safety Concerns and Risk Management



City Initiatives

- Los Angeles
- San Francisco
- Toronto
 - Sidewalk Labs (Alphabet) Initiative



Data Collection—Technical Issues

- Data Protocols
- Google Maps used by Transit Agencies
- Traffic Data

Data Collection—Control Issues

- Who controls the data?
 - Individual companies
 - Can government handle the job?
 - How about a civic trust?

Data Collection--Legal Issues

- Use of Proprietary Information
- Privacy Concerns
- Data Security
- Public Record Issues
- Liability
- Licensing



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