DISRUPTION
WHAT ARE OUR CHALLENGES?

• Safe Integration
• Interoperability and Harmonization
  • Crossing state lines
  • What about transit?
  • Regional collaboration
• Innovating Procurement
• Equity
• Public Trust / Adoption
  • Can we make the “CASE”?
• Paying for Infrastructure
WHERE TO START?

- Understand the players
- Understand the landscape
- Have a vision
- Proactive planning
- Legal and policy foundations
- Partnerships
MINDING THE GAP
PROPOSED “TIPs”

• Opportunity to promote Vision
• Important “Smart” Issues:
  • Innovating Procurement
  • Data Sharing
  • Shared Mobility
  • Privacy and Cybersecurity
  • Land Use
  • Health and Safety (i.e. Disposal)
  • Resiliency
  • Coordination with Law Enforcement
CHALLENGE: PLANNING FOR UNKNOWN IMPACTS

- Changes to traffic patterns?
- Still need traffic signals?
- Dedicated parking areas?
- Eliminate street parking?
- Ensuring safety of pedestrians and bikers
- Autonomous only zones? (i.e. TOD)
AUTOMATED AND CONNECTED?

- “Smart” Infrastructure Discussion V2V, V2I, V2X?
- Local control of ROW / Preemption
- ITS / “Spectrum”
WHAT IS THE SECRET SAUCE?

(Source: Amazon.com)
DATA!!!

- Disengagements
- Health information
- Geolocation data
- Travel patterns
- Accident information
- VMT
- Biometric data
- Shopping habits – “Alexa”
CREATING A TESTING ROADMAP

- What is the law?
  - Expressly allowed vs. silent; OR
  - Need a change to the law
- Public or private roads?
- What type of vehicle? (i.e. traditional vs. shuttle)
- What approvals will be needed?
- What is goal for the pilot?
- How to identify potential partners?
  - RFI/RFP vs. AV/CV Forum
- Public outreach?
- BE READY FOR SPEED BUMPS
A Potential Message

- Safety
- Transparency
- Obligate Funding
- Partnerships and Pilots
COMMENTS FILED TO USDOT

• FTA:
  • Federal Funding for Pilots (i.e. “STAR” Program)
  • Labor
  • Equity

• FHWA:
  • Lack of minimum safety standards
  • Infrastructure – Needs and $$$
  • Data sharing
  • Federally funded pilot programs (AV Proving Grounds and Connected Vehicle Pilot Program)

• Coordination with Existing USDOT Programs
• Department of Innovation?
The Road Ahead: Challenges and Opportunities

• Turning challenges into opportunities
  • Not just AV’s
• Avoiding patchwork and preemption
• More collaborative procurements?
• Transit?
• Mitigating Risks / Managing Mess
Roads of the Future Today
BB&K Attorney Gregory Rodriguez Writes on the Latest Legal and Regulatory Considerations for Autonomous Vehicles in PublicCEO

By Gregory Rodriguez

Across the nation, companies from Waymo and Uber to General Motors, Ford and Audi are putting self-driving vehicles to real-world road tests – with more than 40 companies testing on California roads alone.

Are today’s roads ready for tomorrow’s technology? The answer is “no.” and it will take a collaborative, multi-discipline approach to get there.

Existing passenger and commercial vehicle laws and regulations at the local, state and federal levels aren’t accommodating for driverless cars – mainly because they were developed for human drivers, not computers, having full operational control of vehicles.

Given that autonomous vehicles will disrupt transportation in communities in...
A MOBILITY EXPERIMENT – WHAT HAVE WE LEARNED?
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