



# Wireless Infrastructure Workshop: The Basics

NATOA Annual Conference September 11, 2017









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# THE BASICS IS RIGHT











# **DISRUPTION**











### **INNOVATION VS. SAFETY**



Driverless Car Mishap #13







# WHAT IS OUR VISION?















#### WHAT IS A "SMART" CITY?

- A smart city is an urban development vision to integrate information and communication technology (ICT) and Internet of things (IoT) technology in a secure fashion to manage a city's assets. (Wikipedia)
- The UK Department for Business, Innovation and Skills considers smart cities a process rather than a static outcome, in which increased citizen engagement, hard infrastructure, social capital and digital technologies make cities more liveable, resilient and better able to respond to challenges.
- A smart city makes optimal use of all the interconnected information available today to better understand and control its operations and optimize the use of <u>limited resources</u>. (IBM)







### "SMART" INFRASTRUCTURE

- What is going to be needed?
  - Sensors?
  - Antennas?
  - V2X?
- Local control of ROW
- What is technology of the future?



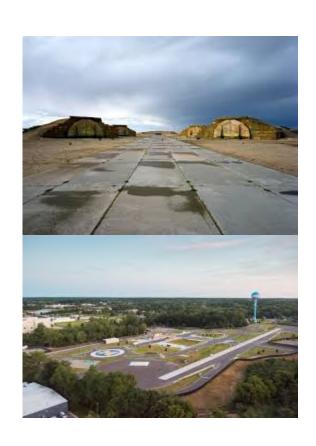






#### PARTNERSHIP OPPORTUNITIES

- Emerging Technology Pilot Projects
  - Do not forget public contracting requirements
  - Transparency
  - More data, more problems
- Be aware of where any grant funding is coming from and requirements
- Coordination with regional and local agencies









#### AV REGULATORY UPDATE

- Congress getting involved Good thing?
- H.R. 3388 "SELF DRIVE Act"
  - Preemption Safety vs. Performance?
  - What is an "unreasonable restriction"?????
  - Liability on cities?
- Senate "AV START Act" DRAFT
  - Also has preemption language
  - More focus on safety than House bill
  - Consumer Education Working Group
  - Law enforcement considerations









# **DRONE REGULATORY UPDATE**



- Part 107
- "Drones Overhead" Rulemaking Early 2018
- Local Regulation and Use / Disaster Relief
- FAA Reauthorization Bill









#### **NOT GETTING OUT"SMART"ED**

- Data Sharing
- Privacy
- Cybersecurity
- Land Use
- Health and Safety
  - Disposal





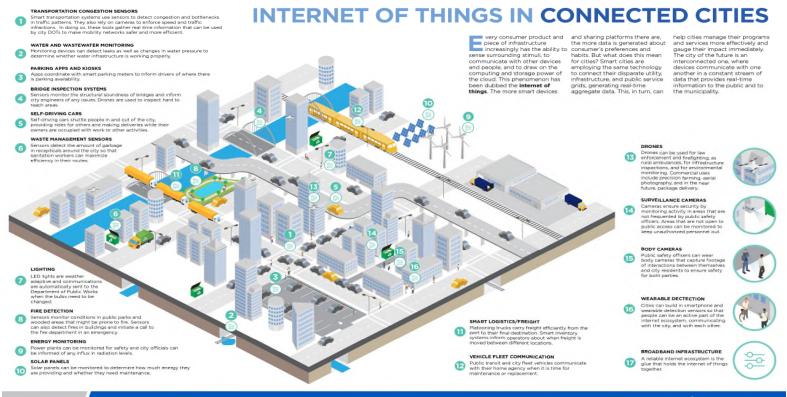








#### **LEGAL AND POLICY FOUNDATION**



NLC CENTER FOR CITY SOLUTIONS AND APPLIED RESEARCH









#### **GETTING RIGHT PEOPLE IN THE ROOM**

- Planners
- Public Works
- IT
- Procurement
- Policy
- Risk Manager
- Law Enforcement
- Attorneys
  - We like talking EARLY!
- Private and Public
- Elected Officials













# STAY INFORMED AND BE PROACTIVE, NOT REACTIVE











# **IMAGINE THIS...**









# **NOT THIS!!!**















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