Metro Nashville Smart City Challenge

National Rural ITS Conference
October 4, 2016

Vision for a Smarter City

- Inclusive, multimodal transportation system
- Embrace emerging technologies
- Expand access to social, economic, cultural activities
- Manage growth
- Provide meaningful transportation options
- Build path forward, with or without award

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Challenges to Tackle

⊃ Existing transportation issues

  ↘ Limited use bus system, high drive alones

  ↘ Value elements: safety, timely, affordability, flexibility

  ↘ Linking modal choices

⊃ Safety and public health

  ↘ Accidents, high commute times

⊃ Climate change

  ↘ Air quality

⊃ Mobility for all (expanding access)

  ↘ Economic development, education, quality of life

Partnerships & Stakeholders

➲ Entities involved in the challenge

➘ Metro Nashville Departments: Mayor's Office, ITS, Planning, Public Works, Office of Infrastructure, MTA, Codes, Metro Council

➘ Nashville Area MPO, Vanderbilt University, Lipscomb University, TDOT, Nashville Civic Design Center, Downtown Partnership, Nashville Technology Council, Walk/Bike Nashville, Senior Transportation Coalition

➘ Nashville Area Chamber of Commerce, Urban Land Institute, auto companies, rideshare companies

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Proposal Vision

- ⮑ Parking reform
  - ⮊ Upgrade, integrate existing system; plan for disruption
- ⮑ Municipal fleet conversion to EV
  - ⮊ V2I, including grid
- ⮑ Rideshare with EV
  - ⮊ First/last mile, paratransit, payment upgrades
- ⮑ Auto/tech partnerships for AV
  - ⮊ Targeted corridors
- ⮑ Communication infrastructure
  - ⮊ IT infrastructure: fiber/wireless foundation
  - ⮊ Open data, transparency, user-friendly interface

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Next Steps > Connected Nashville

➲ Continue conversation

   ↘ Integrate technology and data into shared goals and objectives

   ↘ Framework for improving services

➲ Start Smart City work

   ↘ Working group, build relationships, remove silos

➲ Anticipated outcomes

   ↘ Identify data-driven goals

   ↘ Set meaningful measurable metrics to demonstrate progress

   ↘ Create feedback loop

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Connected Nashville Progress

➲ Five subcommittees examine goals

  ↘ Review local plans , priorities

  ↘ Investigate plans globally

  ↘ Identify strategies to support goals

➲ Refine goals

  ↘ Consolidate, share, consolidate input

  ↘ Draft and refresh report (2017)

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Questions?

➲ Thanks!

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