



PUBLIC TRANSPORTATION

STRATEGIC PLAN

Connecting North Carolinians to Opportunities



Community Meeting

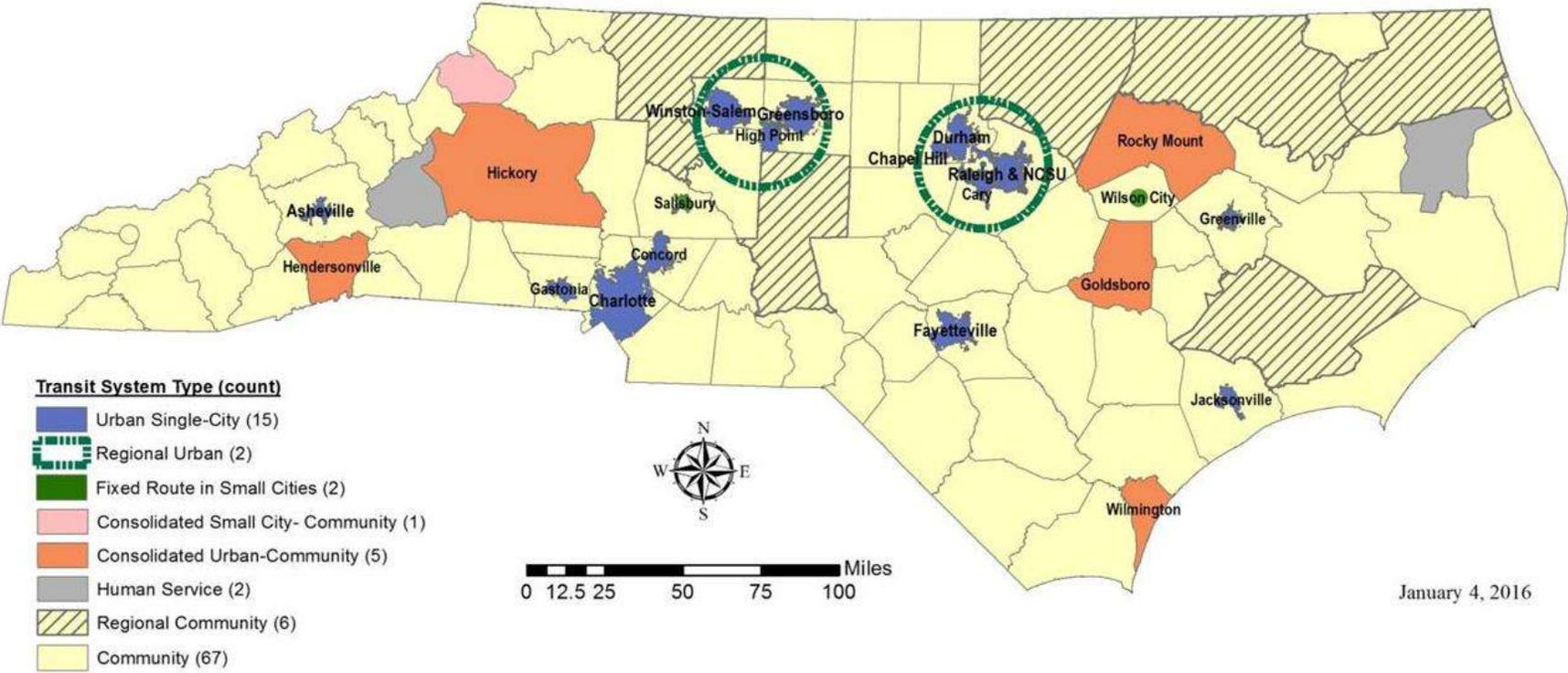
Technology Community

May 4, 2017 | Research Triangle Foundation

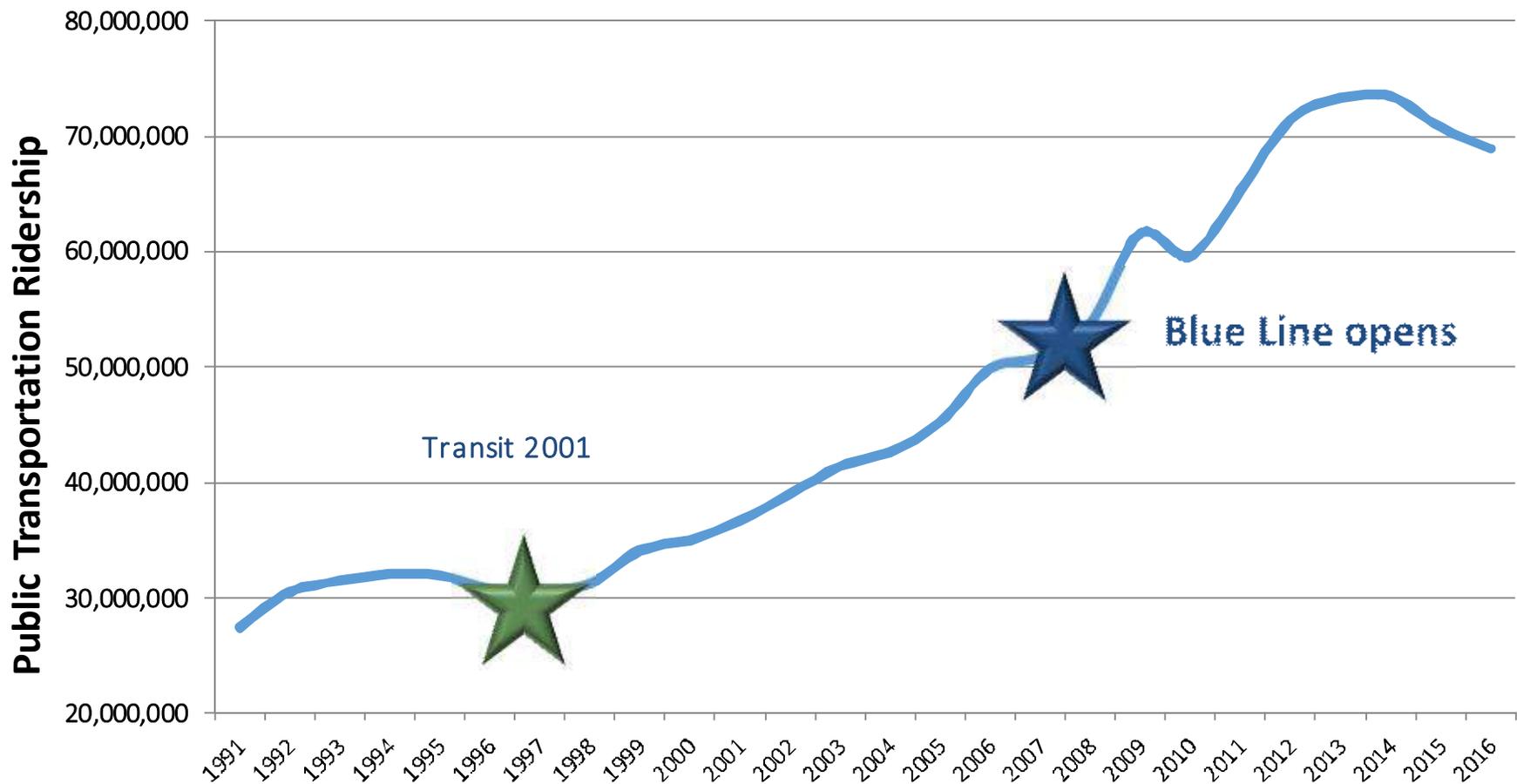


Photo Booth

PUBLIC TRANSPORTATION SYSTEMS IN NORTH CAROLINA BY CATEGORY



Exceptional Growth in Urban Public Transportation Ridership



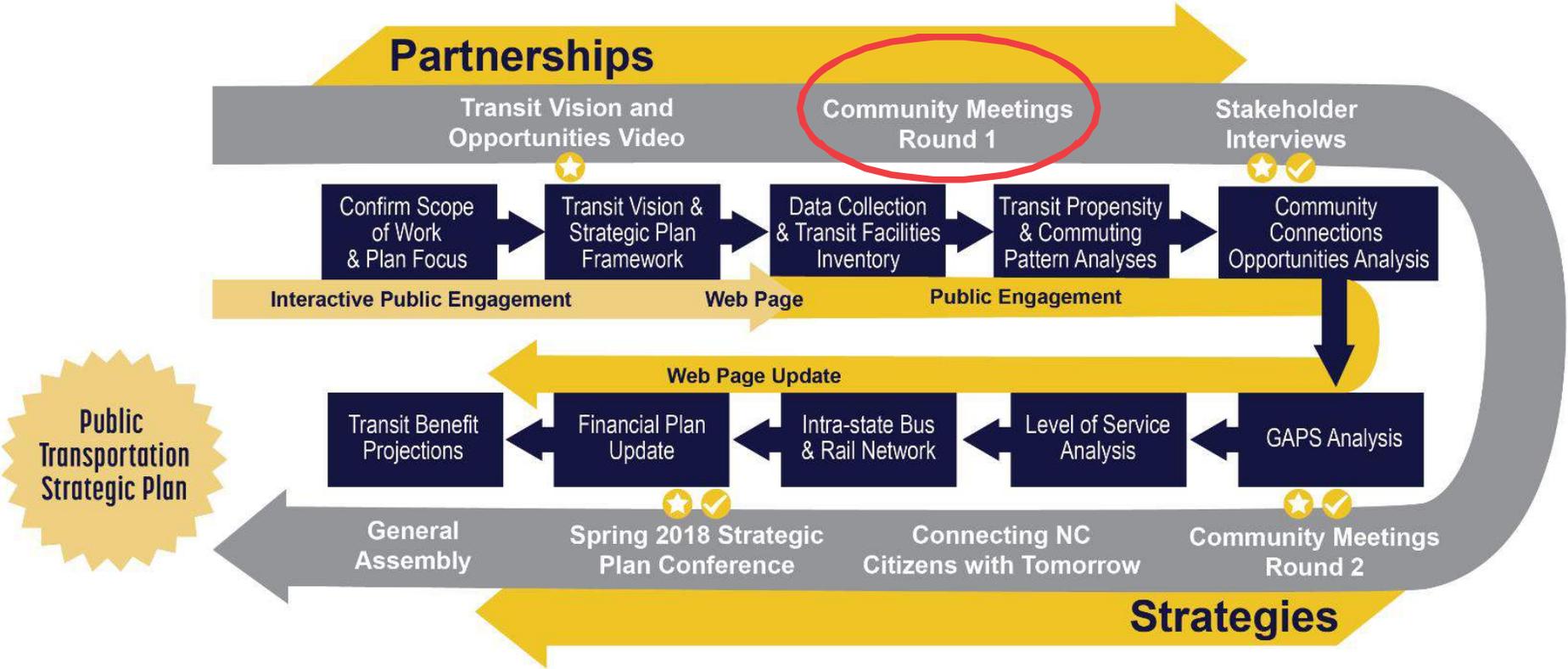
Why Strategic Plan?

- Accountability
- Direction
- What can you do without a plan?
Everything has a plan.
- Prepare for projected growth
- Helps make an argument for needs
- Changes mindset – history vs future
- Gives voice to all / opportunity for inclusion
- Opportunity for innovation
- Evolving technology
- Support other planning efforts
- Define success
- Identify funding/target to needs;
“Blueprint” for infrastructure investment
- Partners – common terminology, move forward together





Public Transportation Strategic Plan Conceptual Work Plan



- ★ Executive Leadership Committee
- ✓ Technical / Steering Committee

Technology Community

1. What is the greatest opportunity technology offers for improved mobility?
2. How are technological advancements impacting public transportation today?
3. What will public transportation look like in 2035?



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<https://www.ncdot.gov/nctransit/strategicplan/>



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Panel Discussion

Current & Near-Future Technology Trends

Moderated by Joe Hummer, NCDOT

Panel Discussion: Current & Near-Future Technologies

- **Rahul Jumar** – Vice President, TransLoc
- **Andrea Eilers** – Triangle Clean Cities Coordinator, Triangle J Council of Governments
- **Deborah Watts** – Director, Broadband Catalysts
- **Dr. Katy Salamati** – Sr. Transportation Solutions Architect, SAS



Hi, I'M RAHUL

VICE PRESIDENT

RAHUL@TRANSLOC.COM

TRANSLOC CREATES TECH THAT:

Helps transit agencies
attract and retain happy
riders

Solves systemic
transportation problems

Puts transit at the center of
achieving seamless mobility





TODAY I'M EXCITED TO TALK ABOUT

- Public transportation's transition from capacity-driven to a demand-driven model
- The application of autonomous vehicle technology on transit

Panel Discussion: Current & Near-Future Technologies

- [Andrea Eilers](#) – Triangle Clean Cities Coordinator, Triangle J Council of Governments

Panel Discussion: Current & Near-Future Technologies

- Deborah Watts – Director, Broadband Catalysts

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Panel Discussion

Future Technology Trends

Moderated by John Tallmadge, GoTriangle

Panel Discussion: Future Trends

- [Dr. Lori Benneer](#) – Duke University, Governance and Adaptive Regulation of Transformational Technologies in Transportation
- [Dr. Mary Cummings](#) – Duke University, Federal Committee on Automation & Collaborative Sciences Center for Road Safety (CSCRS)
- [Lenaey Boykin](#) – Product Owner, TransLoc
- [Jeff Barghout](#) – CEO, Robocist



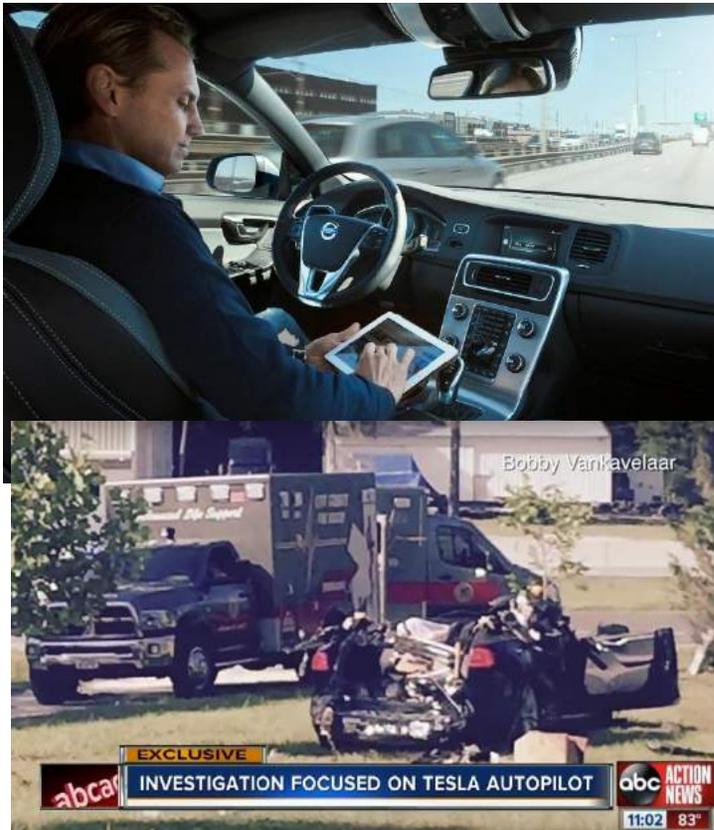
Adaptive Regulation for Transformative Transportation Technologies

- Lori S. Benneer
- Associate Director, Duke University Energy Initiative
- Associate Professor, Duke University

Duke Partners

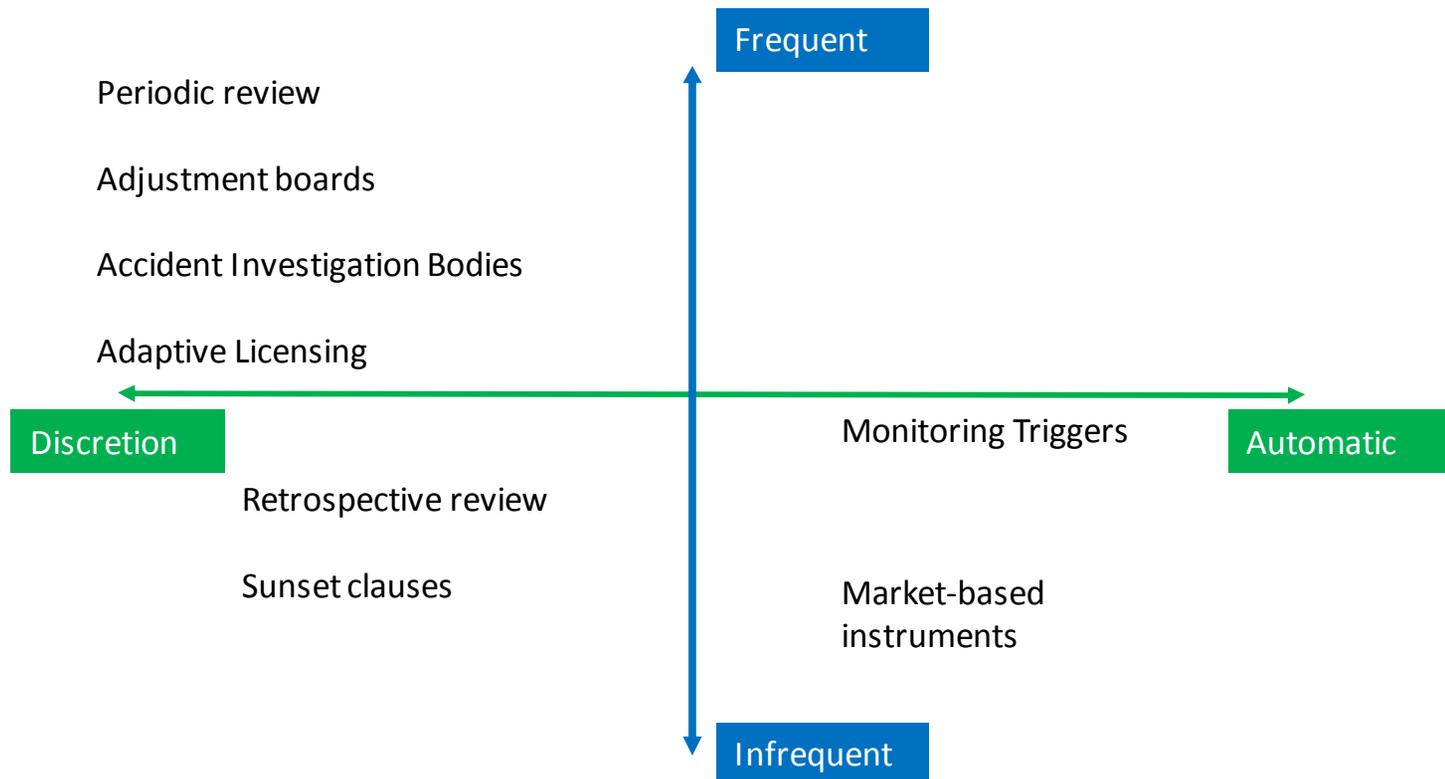


Why adaptive regulation?

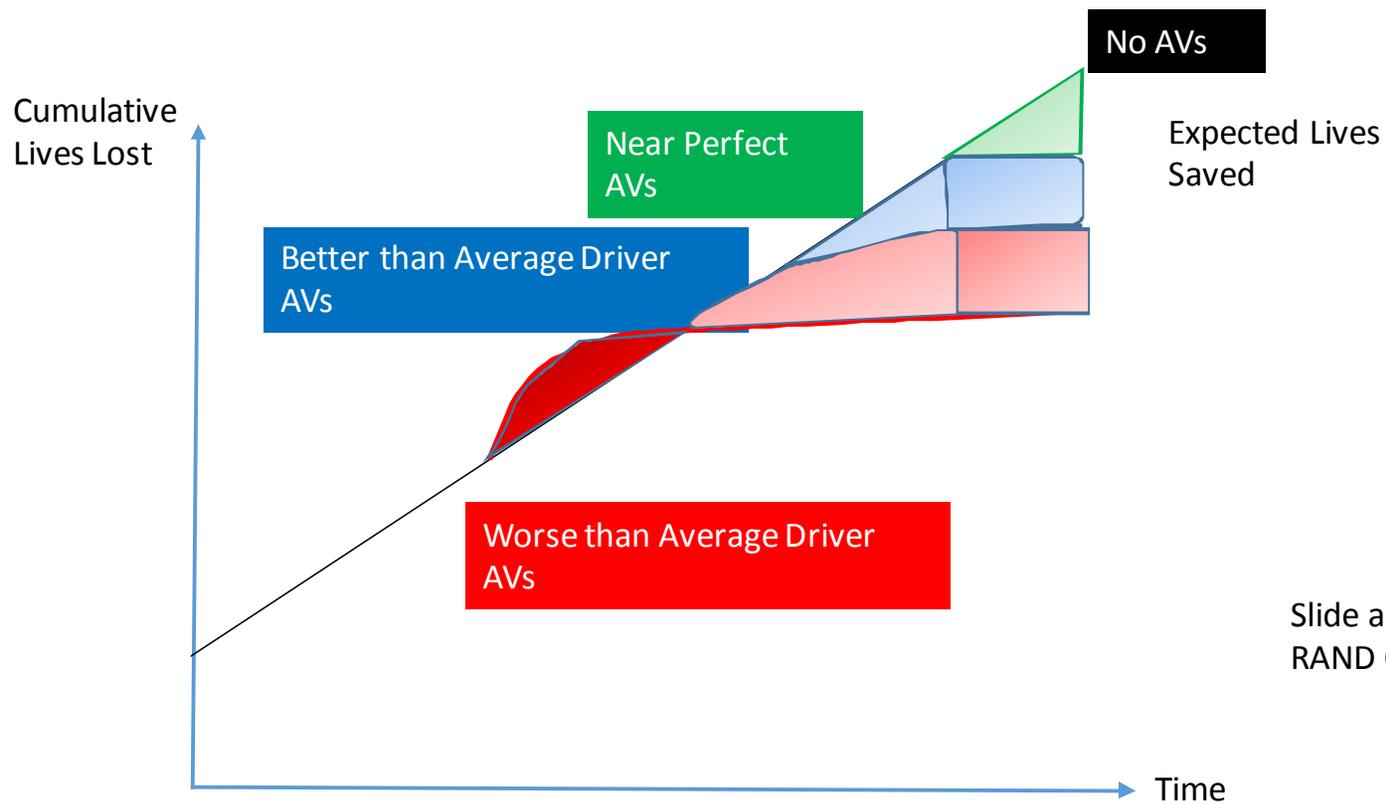


- Dynamic technologies
- Dynamic risk profile
- Dynamic benefit profile
- Ill suited to one-time regulatory approach

Modes of Adaptive Regulation



Examples—Adaptive Licensing



Slide adapted from Nidhi Kalra, RAND Corporation, January 2016

Project Team Next Year



- Integrated team of undergraduates, graduate students, faculty.
- Develop model regulatory structures.
- Examine environmental implications. Looking for external partners.

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Hi, I'M LENAE

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FAST COMPANY
**2017 MOST
INNOVATIVE
COMPANIES**



TODAY, I'M EXCITED TO TALK ABOUT

- Examining transit solutions through a human-centric lens
- Utility and importance of field research in addressing community and user needs



Panel Discussion: Future Trends

- Jeff Barghout – CEO, Robocist

Panel Discussion: Future Trends

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- **Lenae Boykin** – Product Owner, TransLoc
- **Jeff Barghout** – CEO, Robocist

BREAK

Breakout Sessions

- Transit information and payment technology
 - Alternative Fuels, automation and connected vehicles
 - Technology for rural systems and small fleets
1. *How should the Strategic Plan prepare the North Carolina transit industry for coming technological changes?*
 2. *What programs or investments should be considered?*

Closing Remarks and Next Steps

- What is the greatest challenge facing Public Transportation in North Carolina?
- How should the strategic plan embrace evolving technology?
- What policies might ensure equity across urban and rural areas of the state?
- What word should be included in the North Carolina Public Transportation Vision Statement?



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