



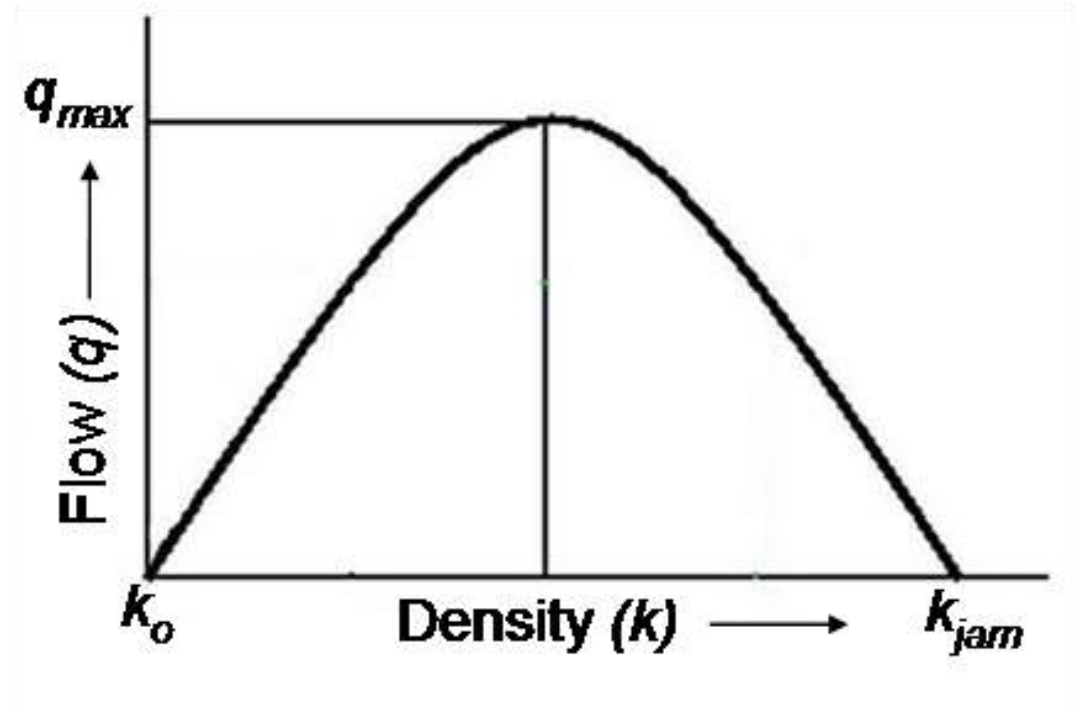
***Volunteer Network of  
Professionals Working Together to  
Support, Promote, and Improve  
Best Practices in the Application  
of Traffic Simulation and  
Capacity Analysis***

# Spot the Fake Attendee!

2

## ■ Bruce D. Greenshields

- Prominent researcher in traffic behavior and highway safety
- Pioneer in applying mathematics to traffic flow
- Invented “Drivometer”
- Famous for “Greenshields Model”



# Meeting Agenda

3



Welcome and SimCap Updates

NYSDOT's Local Count Program: Overview, Lessons Learned, and Local Stakeholder Involvement

~~Example Applications of the NPARDS~~

Use and Coordination of Multiple Data Sources: Experience from North Florida TPO

Open Discussion

# SimCap Louisiana

4

## ■ Mission

- A volunteer network of professionals working across geographic and organizational boundaries to share information, experiences, and to disseminate, promote, and develop guidance and best practices in the application of traffic simulation and capacity analysis tools, methods, and related practice areas.

## ■ Goals

- Provide a forum for the meaningful exchange of ideas, research, questions, and trends;
- Serve as a resource for practitioners and organizations by sharing experiences and developing guidance and best practices; and
- Advocate for consistency, reliability, and advances to the current state of the practice



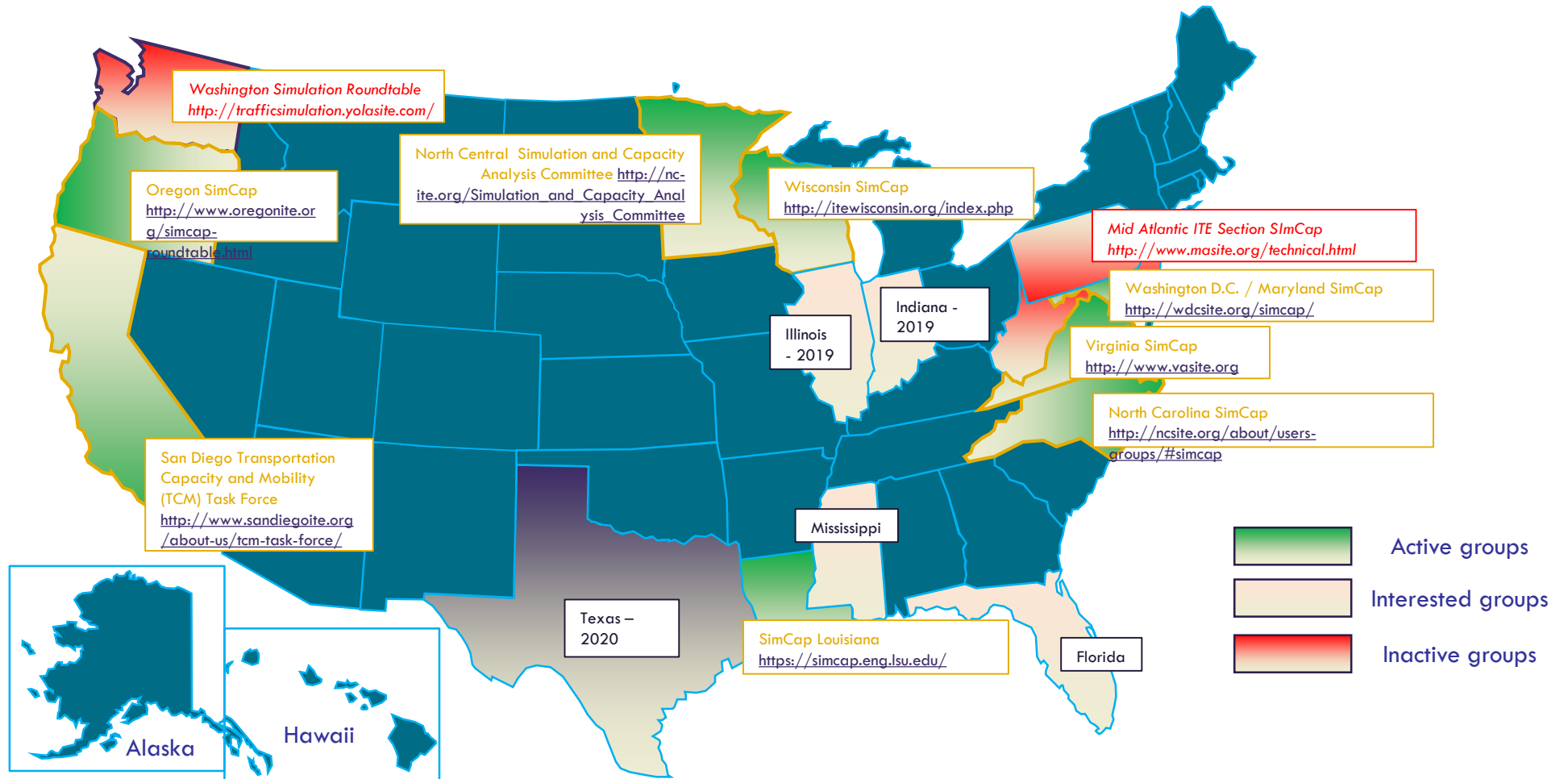
# Website Demonstration

5

- <https://simcap.eng.lsu.edu/>
  - Past/upcoming activities
  - Calendar of SimCap events **NEW!**
  - Meeting archive
    - Password: **simcap** (lowercase, no spaces)

June 2020						
SUN	MON	TUE	WED	THU	FRI	SAT
31	1 McTrans Webinar Ser How Much Will COVID McTrans Webinar Ser	2 Traffic Trends and Sa Findings from 15 Yea Adaptive Signal Conti + 1 MORE	3 Fly-By Image Process McTrans Webinar Ser McTrans Webinar Ser	4 Challenges and Soluti	5 McTrans Webinar Ser	6
7	8	9	10 Advancing Regional C Adoption of Highly Au PTV Vissim: Public Tr	11 PTV Talks: PTV Vissir Data Driven Safety An	12	13
14	15	16	17 PTV Vissim: Event-Ba	18 PTV Talks: PTV Vistr	19	20
21	22	23	24 Next Generation Traff Introduction to the Ne	25 PTV Talks: PTV Vissir	26 Designing for Safety t	27
28	29	30 SimCap Louisiana: Ec	1	2	3	4

# SimCap Chapters



# ITE SimCap Subcommittee

- Active facilitation team
- Initiative to establish ITE website
- Upcoming ITE webinar
  - July 9<sup>th</sup>, 1:00 – 2:30 PM CST
  - [Link](#) in chat
  - **Group rate**

## Traffic Analysis, Modeling and Simulation: Roundabouts, Ethics and Managing Stakeholder Expectations

### A. "Wisconsin Statewide Roundabout Traffic Operations Analysis"

**Presenter:** Vicki Haskell, PE and Rebecca Szymkowski, PE, PTOE



Vicki Haskell, PE, State Traffic Engineering Analysis and Data Management Engineer | Wisconsin DOT



Rebecca Szymkowski, PE, PTOE, Traffic Supervisor | Wisconsin DOT

### B. "Ethics and Simulation – Challenges and Practice Objectives"

**Presenter:** Dr. George List



Dr. George List, Professor and Former Head Civil, Construction, and Environmental Engineering | North Carolina State University

### C. "Challenges and Solutions to Managing External Input and Expectations in Traffic Modeling"

**Presenter:** Raj Paradkar, PE



Raj Paradkar, PE, Senior Project Manager | Kimley-Horn

# Contact Information

8



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LTAP Program Manager  
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**[cmelson1@lsu.edu](mailto:cmelson1@lsu.edu)**



**<https://simcap.eng.lsu.edu/>**



# Know Your Traffic Count History!

9

Her/his work in the 1950s found that traffic count adjustment factors based on similar road use were more accurate than those based on geographic location. She/he later became the Head of the Traffic Inventory Section of the U.S. Bureau of Public Roads. Guidance in the *FHWA Traffic Monitoring Guide* (1985) can be tracked back to her/his work.

- A. Mary Peters
- B. David Albright
- C. Nicole Nason
- D. Boris Petroff




**NEW YORK**  
STATE OF  
OPPORTUNITY™

---

**Department of  
Transportation**

**Andrew Haynes**  
***New York State DOT***



# New York State DOT Traffic Data Collection on Local Roadways



# Topics of Discussion

- ▶ What traffic data NYSDOT collects on Local Roads
- ▶ How NYSDOT coordinates with local governments and MPOs
- ▶ How NYSDOT estimates Vehicle Miles Traveled for local roads

# New York State Law Provides Authority

Laws of New York State

Book 24 (Highway Law)

Part I

Article II (Commissioner of Transportation)

Section 10 (General powers and duties of the Commissioner relating to highways)

Paragraph 13 - (“The commissioner of transportation shall :...)

Compile statistics relating to the public highways throughout the state, and collect such information in regards thereto as he shall deem expedient.”



# Why is the State DOT collecting traffic data on local roads?

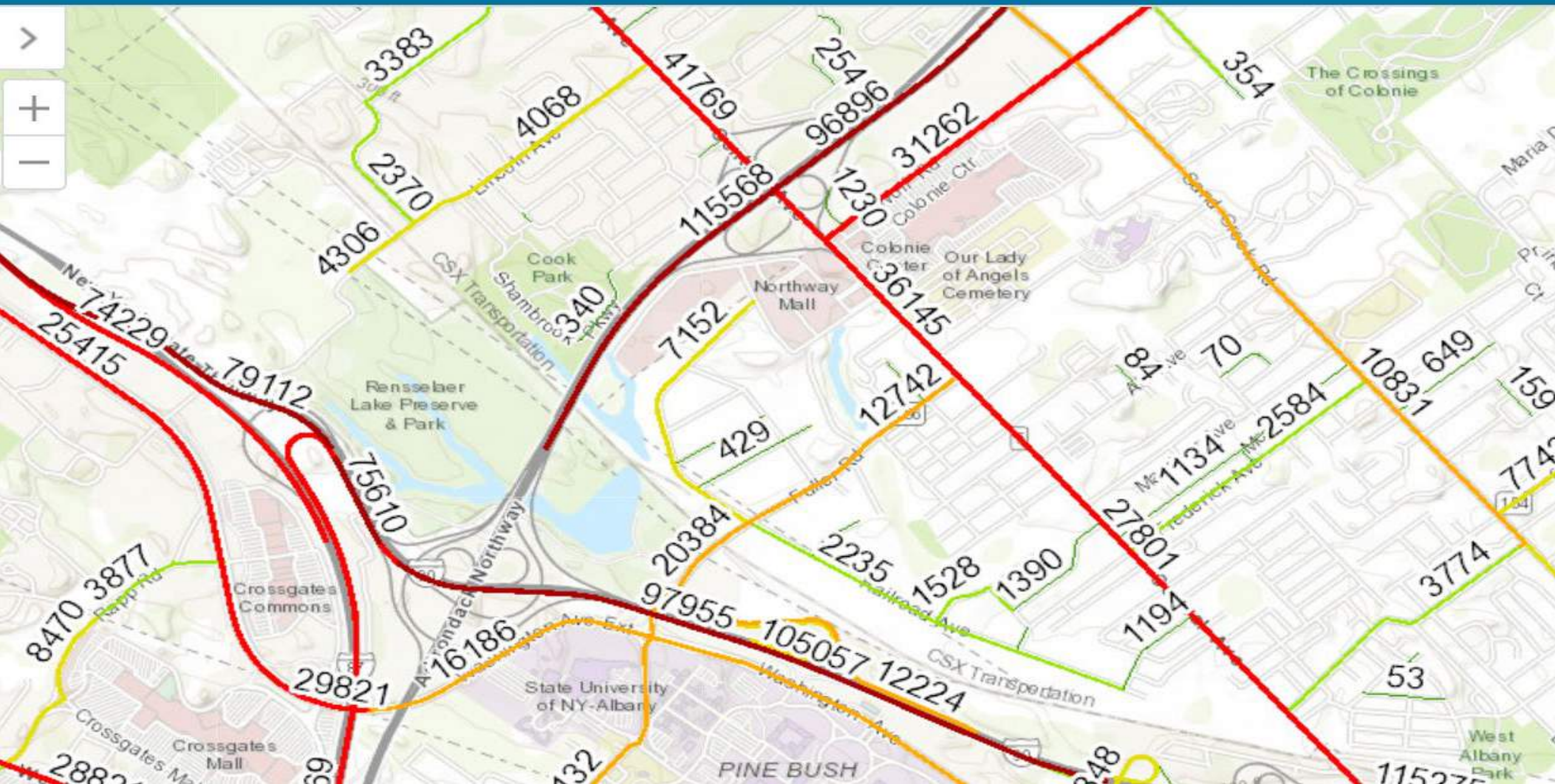
- ▶ Federal Reporting
  - ▶ HPMS Summaries
  - ▶ Bridge Inspections
  - ▶ Rail crossing reports
- ▶ Safety Data
  - ▶ Accident Rates
- ▶ Emissions modeling
- ▶ VMT Estimations
- ▶ Project specific needs

# How does NYSDOT decide what roads to collect?

- ▶ NYSDOT Starts with:
  - ▶ Local Road with Bridges
  - ▶ Local Roads with Rail Crossings
- ▶ Then Adds:
  - ▶ Roads with Safety needs
  - ▶ Design specific locations
- ▶ Rounds out the collection with:
  - ▶ Samples from Local Partners
  - ▶ Random Samples



# NYS Traffic Data Viewer





# When doesn't NYSDOT collect on local roads?

- ▶ Local seasonal roads
- ▶ Local utility roads
- ▶ At the request of the local government

# Local Partners

- ▶ County Governments
- ▶ Cities
- ▶ Villages
- ▶ Towns
- ▶ Metropolitan Planning Organizations



# Counties – County Count Initiative

- ▶ Signed agreement
  - ▶ 5 years
  - ▶ 2 counts per year per counter
  - ▶ Following NYSDOT standards and Data Formats
- ▶ NYSDOT provides:
  - ▶ Equipment
  - ▶ Training
  - ▶ Support
- ▶ Partner provides
  - ▶ Traffic Count Data!

# County Count Initiative – Evolution

- ▶ Pre-2008 Counties accounted for a large number of counts on Non-State owned roadways
- ▶ HPMS requirement for data on All Federal Aid eligible roadways changed this dynamic



# County Count Initiative

## Lessons Learned

- ▶ Count points vs Segments
- ▶ Relax requirements if possible
- ▶ Frequent communication
- ▶ Scheduling conflicts!
- ▶ Changing Requirements!
- ▶ Varying Data Types







# Metropolitan Planning Organizations

- ▶ Partnered in different ways
  - ▶ Share collected data
  - ▶ Process data for acceptability
  - ▶ Collect Counts
- ▶ Challenges
  - ▶ Different segmentation needs
  - ▶ Different Count Cycle Needs
  - ▶ Lag in Data Processing
- ▶ Currently Piloting a program where NYSDOT allows for MPOs to schedule counts through the NYSDOT contracts

# Metropolitan Planning Organizations – Lessons Learned

- ▶ Work with each MPO based on their needs
- ▶ Tailor any agreements to each organizations
- ▶ Follow through with agreements!



# Random Sampling of local roads

- ▶ Why random sample?
  - ▶ Better spatial distributions
  - ▶ More representative samples
- ▶ Randomly assigned samples to represent 10% of mileage by Municipality

# Random Sampling of local roads

1	ALBANY	101061	1		ACKERMAN AVE	DEAD END	RT 910A FEURA BUSH RD	1	0	0.06	0.06	71 Town	Bethleher	03 Town	19			
1	ALBANY	101062	1		ADAMS PL	MARLBORO RD	OAKWOOD PL	1	0	0.78	0.78	71 Town	Bethleher	03 Town	19			
1	ALBANY	101063	1		ADAMS ST	HUDSON AVE	KENWOOD AVE.	1	0	0.1	0.1	71 Town	Bethleher	03 Town	19	7038	2220	
1	ALBANY	101063	1		ADAMS ST	KENWOOD AVE.	END	1	0.1	0.61	0.51	71 Town	Bethleher	03 Town	19			
1	ALBANY	101064	1		ADRIANCE LA	DEAD END	KENWOOD AVE	1	0	0.1	0.1	71 Town	Bethleher	03 Town	19			
1	ALBANY	101065	1		ALBERT DR	HENRY AVE	BEVERLY DR	1	0	0.16	0.16	71 Town	Bethleher	03 Town	19			
1	ALBANY	101066	1		ALBIN RD	PARKWYN DR	WINNE RD	1	0	0.22	0.22	71 Town	Bethleher	03 Town	19	5000	241	
1	ALBANY	101067	1		ALBRIGHT PL	GARDNER TER	DEAD END	1	0	0.08	0.08	71 Town	Bethleher	03 Town	19			
1	ALBANY	101068	1		ALDEN CT	BENDER LN	KENWOOD AVE	1	0	0.41	0.41	71 Town	Bethleher	03 Town	19			
1	ALBANY	101069	1		IRONS LA	FRONT AVE	DEAD END	1	0	0.02	0.02	71 Town	Bethleher	03 Town	19			
1	ALBANY	101070	1		AMSTERDAM AVE	HAGUE BLVD	BROOKHAVEN LA	1	0	0.28	0.28	71 Town	Bethleher	03 Town	19			
1	ALBANY	101071	1		ANDERS LA	RT 910A GLENMONT RD	OLD RIVER RD	1	0	0.12	0.12	71 Town	Bethleher	03 Town	19			
1	ALBANY	101072	1		ANDOVER RD	OVERLOOK ST	KRUMKILL LA	1	0	0.3	0.3	71 Town	Bethleher	03 Town	19			
1	ALBANY	101073	1		ANNA COURT	TRINITY PL	TRINITY PL	1	0	0.22	0.22	71 Town	Bethleher	03 Town	19			
1	ALBANY	101074	1		ARCH AVE	MONROE AVE	INMAN AVE	1	0	0.12	0.12	71 Town	Bethleher	03 Town	19			
1	ALBANY	101075	1		ARTHUR TER	BRADFORD PL	GROVE ST	1	0	0.1	0.1	71 Town	Bethleher	03 Town	19			
1	ALBANY	101076	1		ASHGROVE LANE	CHESTERWOOD DR	SILVER CREEK	1	0	0.3	0.3	71 Town	Bethleher	03 Town	19	5032		
1	ALBANY	101077	1		ASPRION RD	RT 9W	DEAD END	1	0	0.15	0.15	71 Town	Bethleher	03 Town	19			
1	ALBANY	101078	1		AVON ROAD	OLD OX RD	DEAD END	1	0	0.03	0.03	71 Town	Bethleher	03 Town	19			
1	ALBANY	101079	1		AXBRIDGE LA	ELM AVE		1	0	0.04	0.04	71 Town	Bethleher	03 Town	19			
1	ALBANY	101079	1		AXBRIDGE LA		WOODMONT DR	1	0.04	0.3	0.26	71 Town	Bethleher	03 Town	19			



# Data Collection

- ▶ Estimated 10,000 counts needed
  - ▶ About 8,000 actually collected in 2014-2016
- ▶ Currently not collected regularly
  - ▶ Used as a “bonus” for count contractors
  - ▶ Debating adding these locations on cycle. Possibly 7-10 years

# VMT Estimation

- ▶ Total the mileage for the county by Functional Class
  - ▶ Sample was 4.36 miles
- ▶ Total the Counted or Sampled mileage
  - ▶ Sample was .62 miles
- ▶ Total the VMT for the sampled segments
  - ▶  $(.1*2220) + (.22*241) + (.3*100) = 222+53+30 = 305$  VMT
- ▶ Divide this by the sampled Mileage
  - ▶  $305/.62 = 492$  VMT/Mile
- ▶ Multiplied by total Mileage
  - ▶  $492 \text{ VMT/Mile} * 4.36 \text{ Miles} = 2145$  estimated VMT Daily



# Pitfalls

- ▶ Even though sampling by Municipality, still estimating by county
- ▶ Sampling by mileage does not specify a number of counts
- ▶ Long samples can still bias the average
- ▶ High AADT samples can heavily influence the averages

# Future Improvements

- ▶ Currently analyzing the 10% sampling for potential increases
- ▶ Potential for smaller groupings than by county
- ▶ Potential for volume groupings



# Questions???

Andrew Haynes – [andrew.haynes@dot.ny.gov](mailto:andrew.haynes@dot.ny.gov)

New York State Department Of Transportation

Highway Data Services Bureau



**Jeff Sheffield**  
***North Florida TPO***

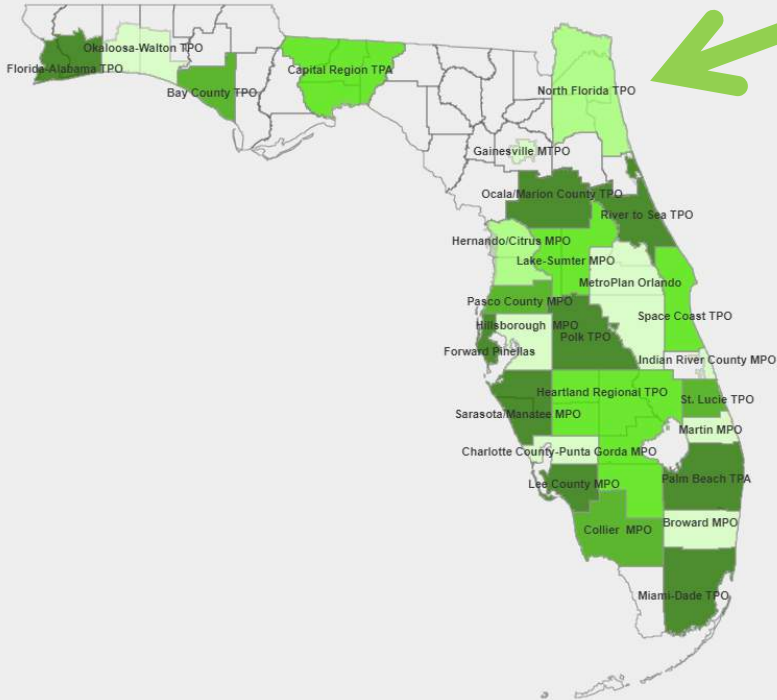


*“Leveraging Transportation, Technology & Energy”*

North Florida Transportation Planning Organization

PLAN • FUND • MOBILIZE

# North Florida TPO Stats



**4 Counties = Duval, Clay, Nassau, St. Johns**

**Land Area = 2,636 sq. mi.**  
*(Largest geographic boundary in the State)*

**Population = 1,287,094**  
*(4<sup>th</sup> largest in the State)*

**Staff Size = 9**  
*(3<sup>rd</sup> fewest staff per capita in the State at 1 to 140,813. State Average is 1 to 76,123)*

**Average Annual Operating Budget = \$4.5M**

**Closed Circuit Television Cameras**



**Traffic Signal Controller**



**Road Weather Info System**



**Dynamic Message Sign**



**Regional Transportation Management Center**



**Road Ranger**



**511**



**Blue TOAD Sensor**



**Vehicle Detection Sensor**







# The Regional Transportation Management Center (RTMC) is the hub of our region's intelligent transportation systems.

It opened in 2015 as the culmination of a 12-year partnership among the North Florida TPO, Florida Department of Transportation and Florida Highway Patrol. The North Florida TPO offices are located in the same building adjacent to the RTMC.

## Resources



[RTMC Brochure](#)

# North Florida Regional Transportation Management Center (RTMC)



# North Florida Regional Transportation Management Center (RTMC)

- Florida Highway Patrol
- Florida Department of Transportation
- Florida Fish And Wildlife
- Jacksonville Sheriff's Office
- North Florida TPO
  
- Jacksonville Transportation Authority
- Emergency Operations Centers
- Jacksonville Port Authority
- Law Enforcement Clay, Duval, Nassau and St. Johns Counties
- Fire/Rescue Clay, Duval, Nassau and St. Johns Counties
- Others....

# SMART

## NORTH FLORIDA

Harnessing the power of **Smart Technologies**,  
**Coordinated Data**, and **Regional Collaboration**  
to improve North Florida's economic competitiveness,  
sustainability and quality of life.



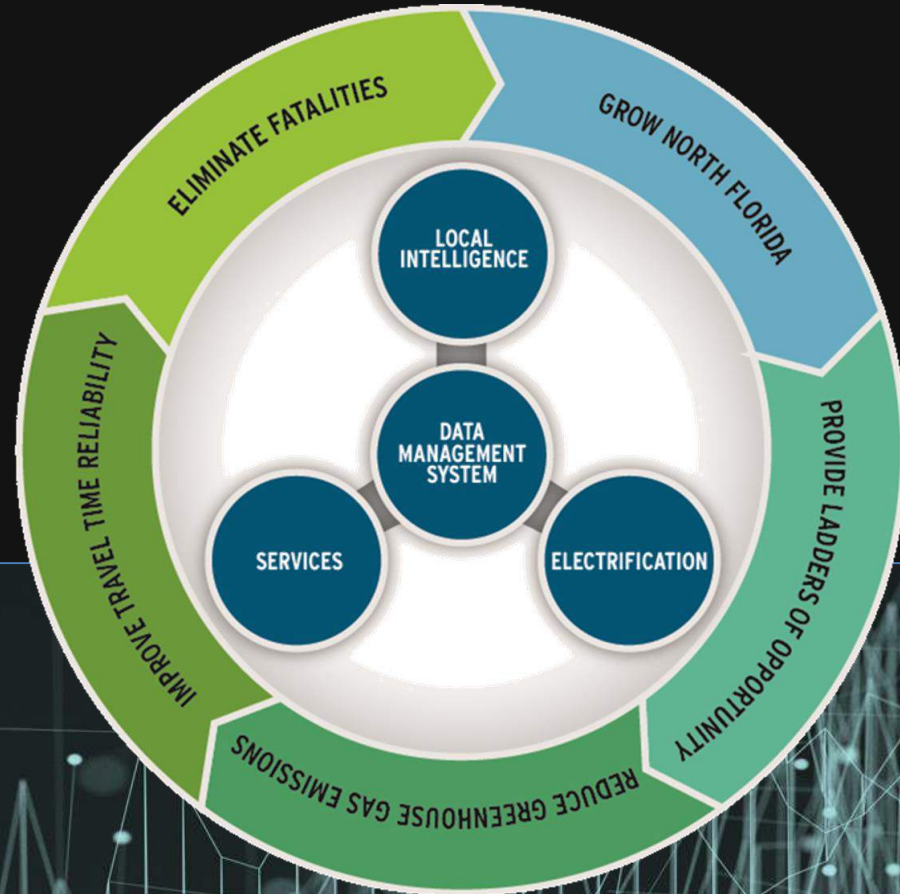
# *It started as a Transportation Initiative...*

## Objectives

- Eliminate Fatalities
- Improve Travel Time Reliability
- Reduce Greenhouse Gas Emissions
- Provide Ladders of Opportunity
- Grow North Florida

## Project Categories

- Local Intelligence
- Electrification
- Services
- Data Management System





# SIART

NORTH FLORIDA

**SIGNATURE  
PROJECTS**



# SAFER



# EASIER





# PREVENTABLE



# BETTER AT BASICS





# SIART

NORTH FLORIDA

DATA

An abstract graphic at the bottom of the image featuring a dark background with a complex network of thin, light-colored lines and small dots, resembling a data visualization or a stylized city skyline.

# NORTH FLORIDA SMART REGION VISION

- Air quality monitoring
- Rapid response information



- Smart recycling
- Sophisticated waste management



- Demand responsive distribution
- Intelligent meters



- Building environmental conditions
- Incident response management
- Remote monitoring and management



- Infrastructure monitoring
- Predictive maintenance
- Security and safety detection and notification



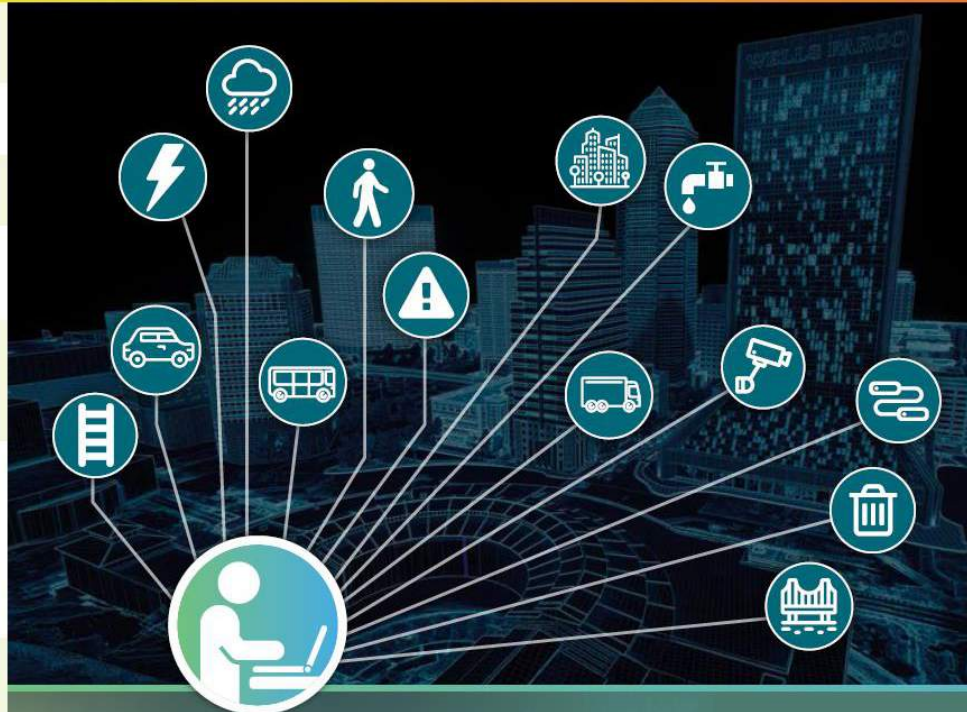
- Car sharing
- Connections to transit
- Ride sharing incentives
- Remote health care
- Smart cards
- Transportation for the disadvantaged
- Technology jobs



- Integrated data exchange
- Public WiFi
- Regional shared fiber
- Security



- Connected vehicles and corridors
- Integrated corridor management
- Smart parking management
- Pedestrian warning and detection



- Automated vehicles
- Neighborhood connectors
- Special event management
- Skyway modernization (U2C)
- Transit signal priority



- Bike sharing
- Pedestrian and bicycle warning
- Wayfinding and event management kiosks
- Smart lighting



- Loading zone parking management
- Rail crossing safety system
- Truck parking on Interstates
- Truck parking at JAXPORT
- Truck priority at key locations



- Automated parking enforcement
- Crime detection and notification
- Incident management
- Gunshot detection
- Rail crossing notification
- Traffic information for first responders



- High wind warnings
- Street flooding warnings
- Visibility warnings (fog and rain)



- CNG and LNG logistics
- Electric vehicle charging stations
- Solar roads and paths
- Smart grid
- Advanced detection lighting sensors
- Smart recycling
- Intelligent water distribution



ELIMINATE FATALITIES

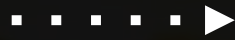
GROW NORTH FLORIDA

PROVIDE OPPORTUNITY

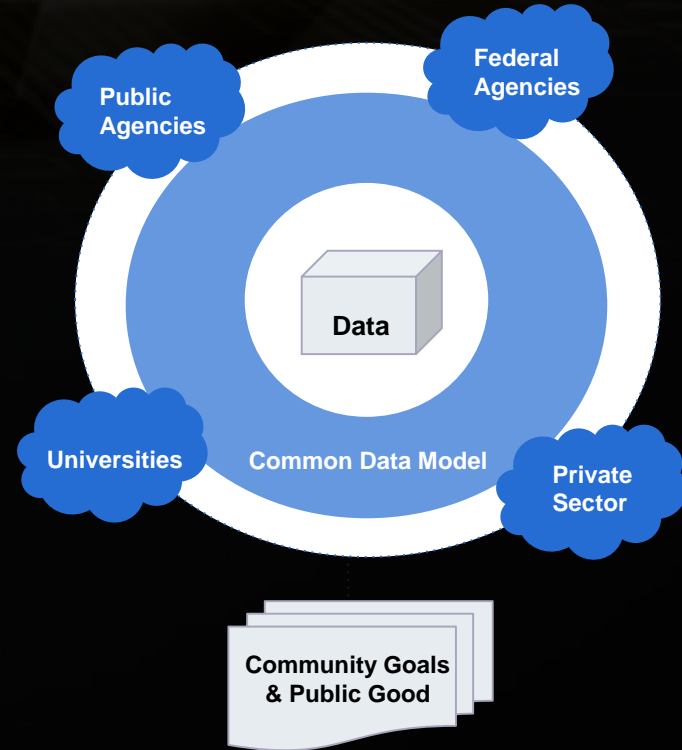
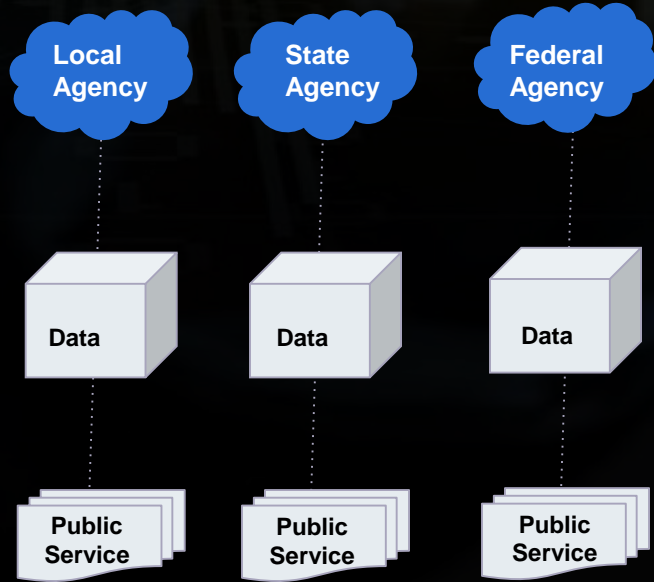
REDUCE EMISSIONS

IMPROVE RELIABILITY

## Current state



## Future state



*Simple ... at least in concept!*



# North Florida Data Exchange

Find data, tools, and resources to conduct research, develop web and mobile applications, design data visualizations, and more.



Transportation



Aviation



Building and  
Development



City  
Government



County  
Government



Environment



Economy



Mobility



Education



Energy



Ports



Health



Housing &  
Real Estate



Infrastructure



Public Safety



GIS & Maps

# 2018 Mobility

Urban Traffic & Mobility Report  
March 30, 2018

## QUALITY OF TRAVEL

Traffic delays increased and cost our region \$990 million in economic losses in 2016.

### SPEEDS AND DELAY

In 2016, the peak-hour average travel speed increased minimally from 46.24 to 46.63 mph, but the delay increased by 14 percent. The delay cost our region \$990 million in economic losses in 2016.

	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016
Travel Speed (mph)	46.24	46.34	46.34	46.34	46.34	46.34	46.34	46.34	46.34	46.34	46.34	46.34	46.34	46.63
Travel Time (min)	20.52	20.52	20.52	20.52	20.52	20.52	20.52	20.52	20.52	20.52	20.52	20.52	20.52	20.52
Travel Time (min)	20.52	20.52	20.52	20.52	20.52	20.52	20.52	20.52	20.52	20.52	20.52	20.52	20.52	20.52
Travel Time (min)	20.52	20.52	20.52	20.52	20.52	20.52	20.52	20.52	20.52	20.52	20.52	20.52	20.52	20.52

## Congestion

In 2016, congestion cost North Florida \$990 million in economic losses.

Vehicles per Lane-mile during Peak Hours **11%** ↑

Percent Miles Severely Congested during Peak Hours **4%** ↑

Delay in Vehicle-Hours **337%** ↑

## Safety

In 2016, vehicle crashes cost \$4.9 billion in economic losses.

**IN 2016**  
**31,744**  
crashes

234 in motor vehicles  
58 pedestrians  
7 cyclists

**DIED IN CRASHES**

**SINCE 2011**

Total Crash Rate **75%** ↑

Total Fatal Crash Rate **44%** ↑

To read the full 2018 Mobility Report, please visit the DATA section at [www.northfloridatpo.com](http://www.northfloridatpo.com)

904.308.7500 // 980 NORTH JEFFERSON STREET

**North Florida TPO**  
Transportation Planning Organization

Quality Of Travel

FILTERS CHARTS MAP

Daily Delay (Daily)

Year	Daily Delay (Daily)
2013	18,000
2014	25,000
2015	30,000
2016	38,000
2017	45,000

■ All Counties

5 Year Change

136.68% ▲

24,949.83

1 Year Change

13.69% ▲

5,201.42

< > 🔍 1 ...



# SIART

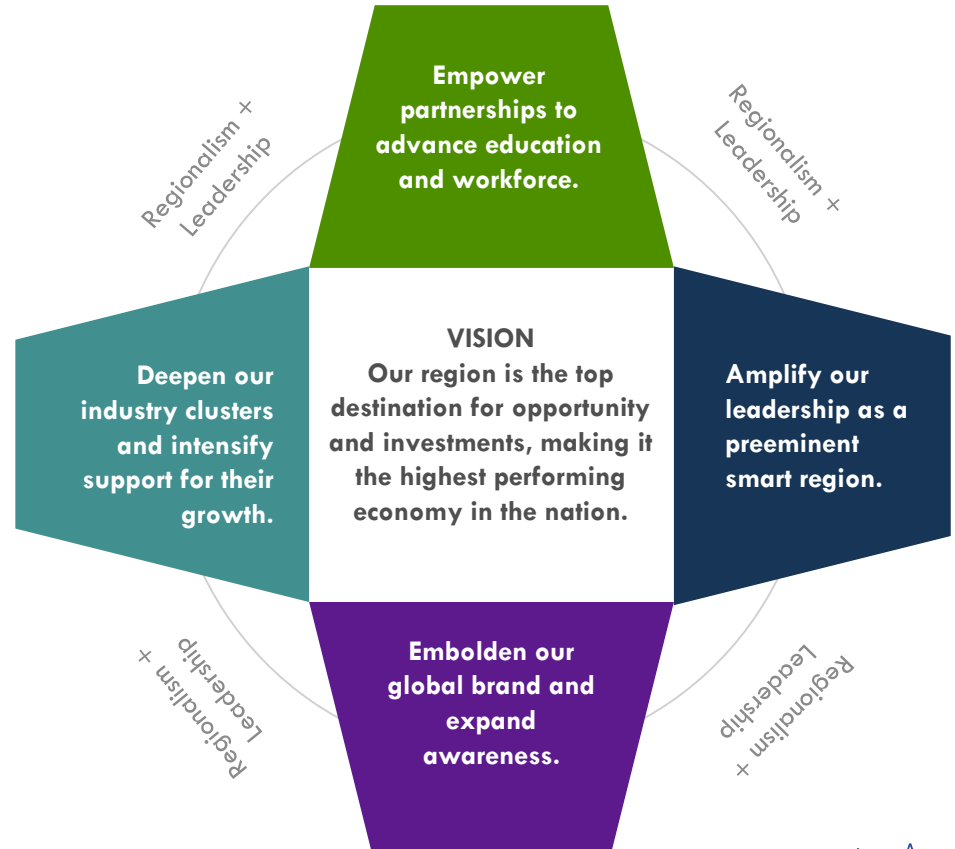
NORTH FLORIDA

People &  
Partnerships



## 5- Year Economic Development Strategic Framework

**JAXUSA Partnership**, the private, nonprofit division of the JAX Chamber, is the economic development initiative overseeing efforts in the seven-county Northeast Florida region







**TAB**

**ENGAGEMENT**





Jacksonville

## JAXTAB

THURSDAY, JAN 31 @ 5:30PM

INTUITION  
ALE WORKS  
JACKSONVILLE  
Florida



RSVP HERE

### WELCOME TO TECH AND BEER

Join us as we kick off our first of many Tech and Beer events in Jacksonville. TAB is a platform for like-minded tech professionals, business owners, startups, and investors to connect, collaborate, and get inspired to drive innovation.

- Networking and start-ups
- Complimentary Black & Tan and Intuition Ale Works
- Learn about the Baylaxi Corridor and how our location needed to power the North Region.
- Ride JTA's autonomous win TAB T-shirts by participating into the v

TAB was launched in Orlando, FL in 2017 and has grown into a leading tech community for people that drive change at [TechandBeers.com](http://TechandBeers.com) to see you there!

-The TAB Team



## JAXTAB WITH THE JAGS

THURSDAY, APR 11 @ 5:30pm



TIAA Bank Field  
Fields Auto Terrace Suite  
PARK in Lot D and ENTER Gate 4  
TAKE elevators to terrace level

Complimentary stadium club food and beverages from Intuition Ale Works!

Learn about current and future technology inside and outside stadium. See a demo of the Next Gen Stats/Player Tracking System demo. Get the scoop on the \$2.5B Shipyard Development, Smart City Elements and the Spark Collaborative space.

RSVP NOW

TAB (Tech and Beer) was launched in Orlando, FL in 2017 and has grown into a leading tech community platform for like-minded tech professionals, business owners, startups and investors to connect, collaborate and get inspired to drive innovation.



TAB



### Do you have an idea to improve our community?

Join us December 12 at Champion Brands for Ideafest as we crowdsource ideas and opportunities to improve our community in these categories:

Safety | Mobility | Energy/Climate | Opportunity for All | Economic Growth | Education | Health

Enjoy free American and imported beverages from our host Champion Brands and check out their awesome new energy-efficient facility.

Your ideas will be compiled, vetted and shared communitywide in our January POLLapalooza.

The top-polling ideas will frame use cases for a spring Hackathon where competitive review and prizes await.

Join us in uplifting our community and celebrating smart ideas.

Thursday December 12  
5:30 p.m.

RSVP ON MEETUP

#### Imagine...

Imagine a day that connects locals, pleases and entertains effortlessly. A day that uses data to make the most of our time and resources, and helps us solve and thrive. A day that provides growth and opportunity for all.

Imagine a smart city that anticipates the needs of the people who live, work and visit there.

Together, we can make this a reality. The Smart North Florida movement is growing with people and organizations who share this vision. But we can't do it alone. We need your ideas and talent to bring this idea of a smart city to life, right here in North Florida.

Visit [smartnorthflorida.com](http://smartnorthflorida.com) to learn more.

SMART  
ST. AUGUSTINE

7.16.19

# POLLAPALOOZA



## Can we count on you to help improve our community?

Join Smart North Florida and JAXTAB February 5 at Intuition Ale Works as we kick off POLLapalooza - a festival of smart ideas and smart choices. You can check out Intuition's new Bier Hall and enjoy snacks from Mojo.

We're thrilled to have guests from the Florida Business Incubation Association. Jacksonville is also hosting a Techstars Startup Weekend at the UNF Center for Entrepreneurship & Innovation February 7-9, so we hope participants come early to connect with us.

Thanks to all who have submitted great ideas at [www.snideafest.com](http://www.snideafest.com) POLLapalooza will provide an opportunity to review and rank ideas to select challenges for the Smart North Florida Hackathon.

Wednesday  
February 5  
5:30-8 p.m.

Intuition Ale Works  
Bier Hall  
929 E Bay St., Jax

RSVP on  
Meetup

DEVPOST

Hackathons

Projects

For organizations

Log in

Sign up

SMART  
NORTH FLORIDA

HACK  
ATHON

Home

Participants (31)

Rules

Submissions

Updates

Discussions

Smart North Florida Vision Zero Challenge Safety & Mobility Hackathon

SMART  
NORTH FLORIDA

HACK

## Create solutions to solve crowdsourced problems for smart cities

The Smart North Florida Hackathon is a series of one week hackathons to improve Safety, Mobility, Energy/Climate, Homelessness, and growing our regional economy in North Florida by solving community challenges through technology, data science, and design.

Using innovative and emerging technologies to collect, analyze and apply data to solve problems, we can address some of our challenges and enhance the region's livability.

Smart North Florida is accepting submissions to the first challenge statements over a one week period to be reviewed by a panel of judges. Winners will be announced during a virtual meetup on May 29.

This hackathon has ended.

Discover more exciting challenges like this one

View the winners

Tell your friends



Questions? Email the hackathon manager

SMART  
NORTH FLORIDA





# SIART

NORTH FLORIDA

Opportunities

An abstract graphic in the bottom right corner featuring a dark background with a complex network of thin, light-colored lines and small dots, resembling a digital or molecular structure.

# HOMELESSNESS



# EDUCATION





# HEALTHCARE



## DISCOVER DATA

Collecting, analyzing and sharing data is the key to making technology work for us. Saving us time and money, integrated and actionable data is the heart of smart.

[MORE](#)

## EXPLORE PROJECTS

See how smart technologies and strategies can improve our region's economic competitiveness, sustainability and quality of life.

[MORE](#)

## JOIN THE MOVEMENT

We're bringing together tech professionals, entrepreneurs and investors to grow Smart North Florida with more local tech companies, jobs and opportunities.

[MORE](#)



Jeff Sheffield  
Executive Director  
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# Thank You for Attending!

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