

## Regional Transportation Alliance 2020 Transportation Breakfast

**Presented by the Research Triangle Foundation of NC** 

Tuesday, Aug. 4 | 8 a.m.





# WELCOME

Joe Milazzo II RTA executive director

**RTA 2020 Transportation Breakfast** 





## WELCOME

## Maeve Gardner, RTA chair GlaxoSmithKline

**RTA 2020 Transportation Breakfast** 



**Presenting sponsor of the 2020 RTA Breakfast:** Research Triangle Foundation of NC







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## **RTA Gold and Sustaining Gold Members**









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## **RTA Silver Members**







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## **RTA Senior Regional Partners**

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# INTRODUCTIONS

Joe Milazzo II RTA executive director

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# Regional FAST study VHB

**RTA 2020 Transportation Breakfast** 





# Freeway And Street-based Transit network

Presented By: VHB Team RTA Breakfast, August 4, 2020

RTA REGIONAL BUSINESS LEADERSHIP

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Triangle

### Preliminary Findings Update



FAST Network

#### Team



**Taruna Tayal, PMP** VHB | Project Manager



**Don Bryson, PE** VHB | Principal-in-Charge



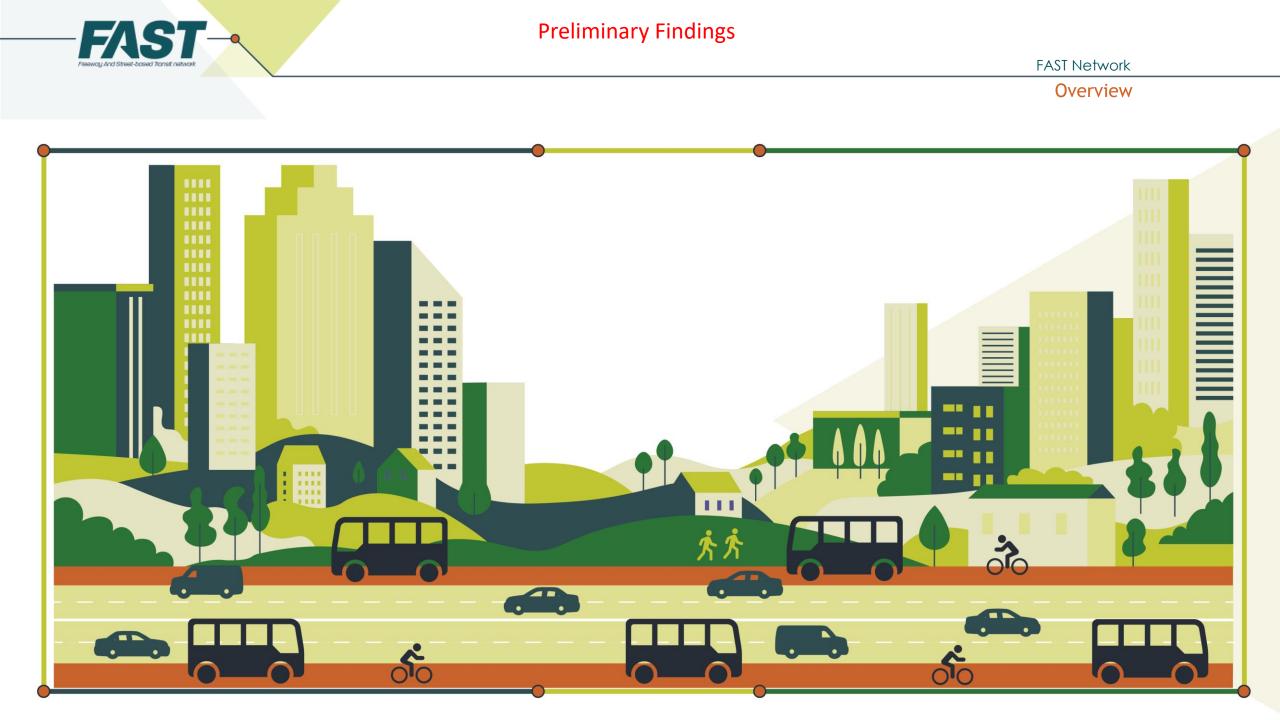
**Chris Brasier, El** VHB | Transit Planner



**Roberta MK Fox, AIA, ASLA** Catalyst Design | Stakeholder Engagement and Implementation



Sasha Pejcic, PMP Stantec | Innovative Solutions





FAST Network

Study Purpose

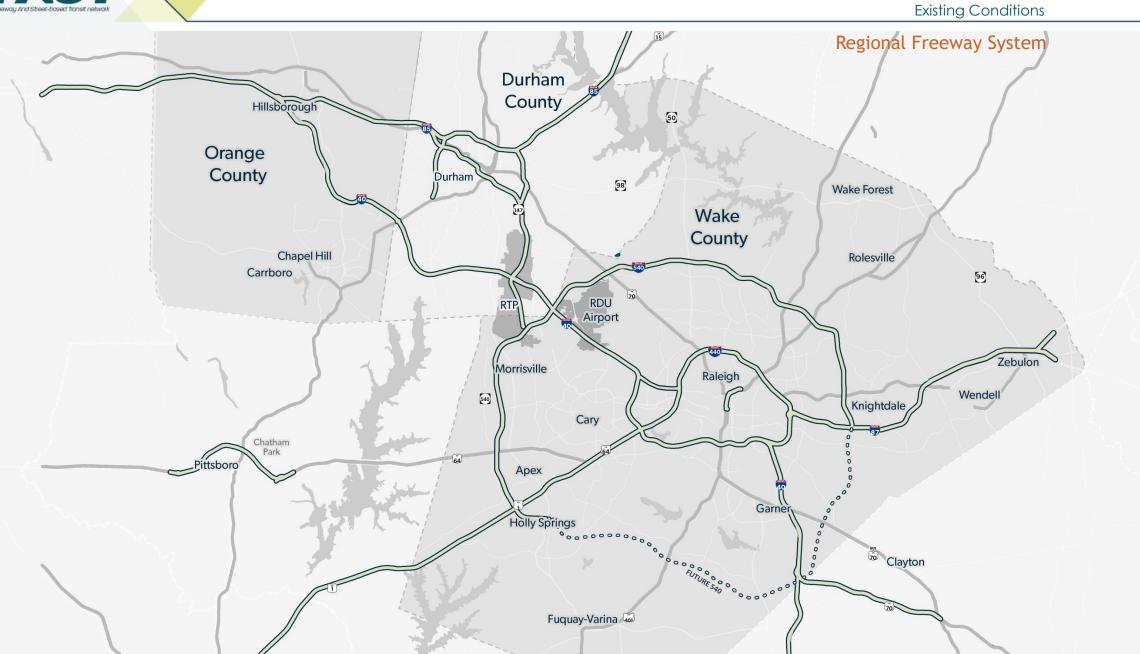
### Advance ideas for improving and accelerating regional connectivity

- Accelerate effective, all-day mobility along our freeway and street-system that can expand and improve over time
- Complement existing and emerging travel options
- Serve as a valuable template for other regions of the state

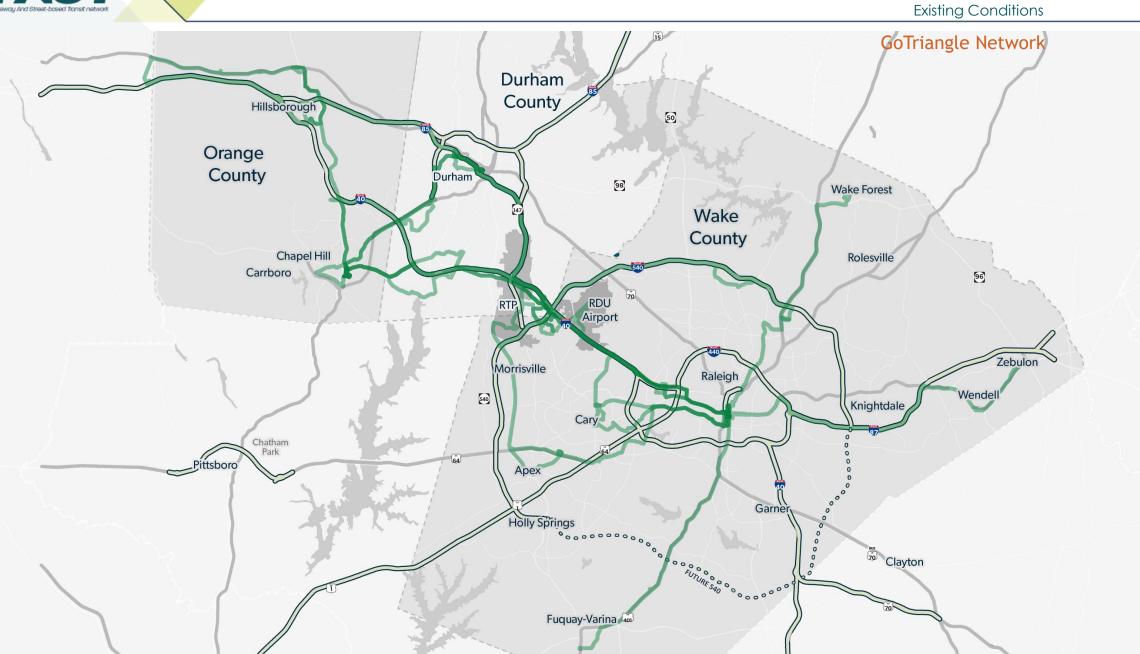


### FAST study approach

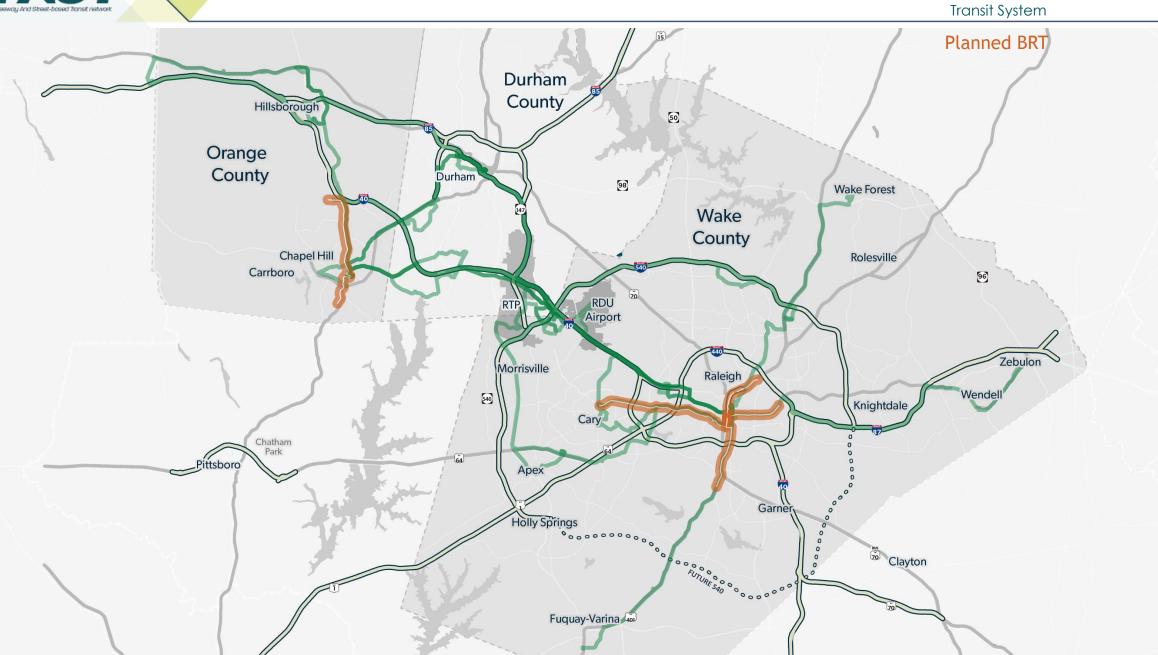








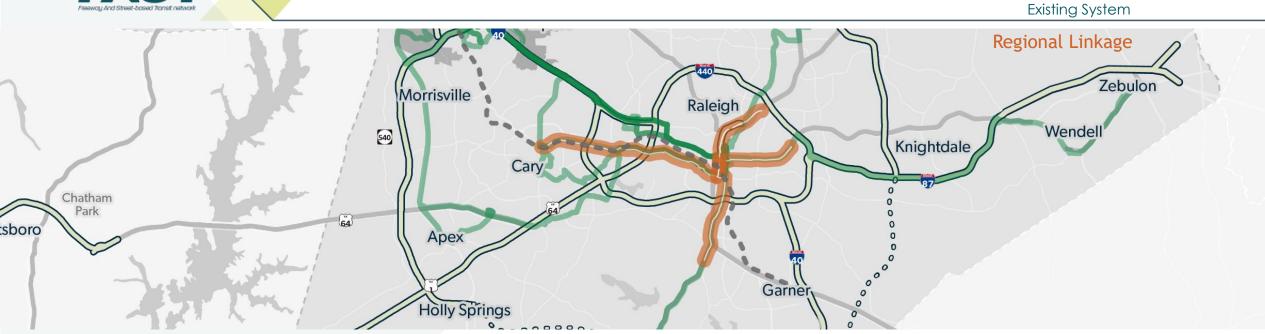






Transit System Planned Commuter Rail Durham County Hillsborough 50 Orange County Durham 98 Wake Forest Wake County **Chapel Hill** Rolesville Carrboro 96 RDU Airport RTP Zebulon Morrisville Raleigh 7 Wendell 540 Knightdale Carv Chatham Park Pittsboro Apex Garner Holly Springs 20 Clayton FUTURE 540 000000 Fuquay-Varina





- **BRT corridors:** High-frequency, high quality, subregional connections
- Commuter rail: Express, regional, low/moderate frequency connection
  FAST:
  - Assumes completion of BRT, multiple linkages to commuter rail
  - Provides complementary, effective, regional connections
  - Accelerates creation of true regional transit network



**FAST Network** 

Goal

## Creating a regional FAST network

- **Bigger** network more routes
- **Better** network more frequency, new service patterns
- Faster network more "transit advantages"

FAST mindset:

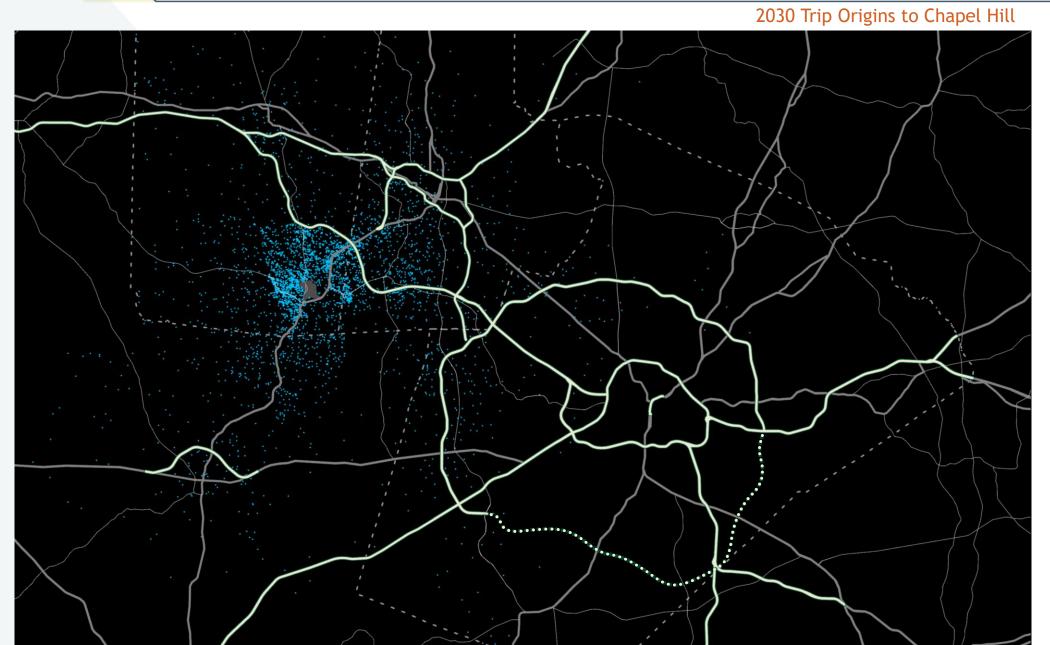
Add improvements <u>quickly</u>, then <u>scale</u> them over time



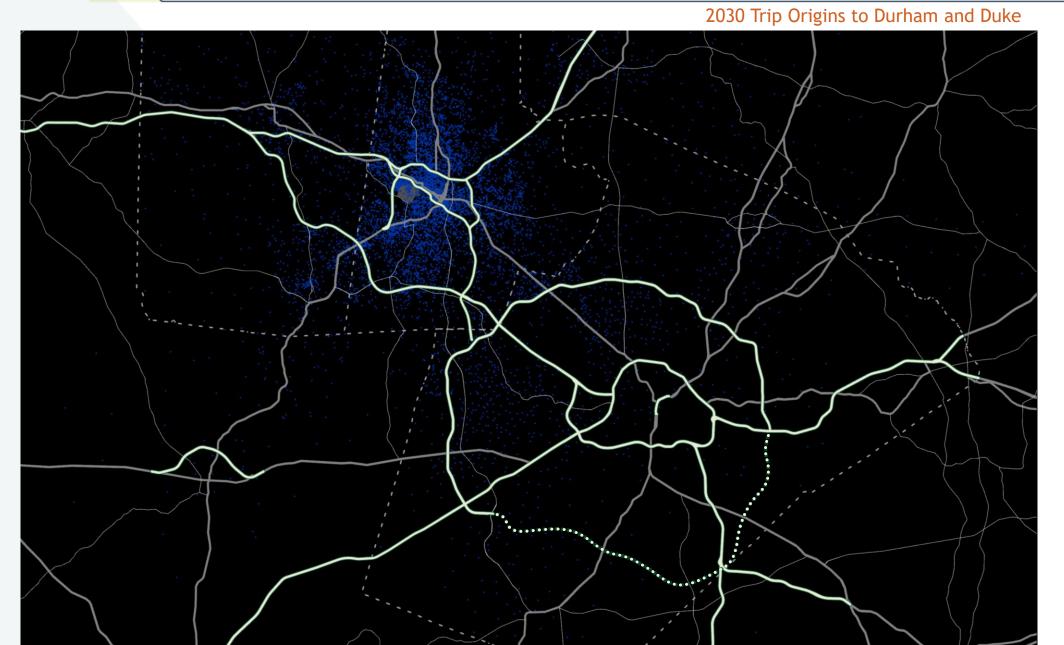
FAST Methodology

### Accessibility criteria **Mobility criteria** - Travel Demand **Access Equity Planned Projects Transit Performance** Missing Links Traffic Performance Context

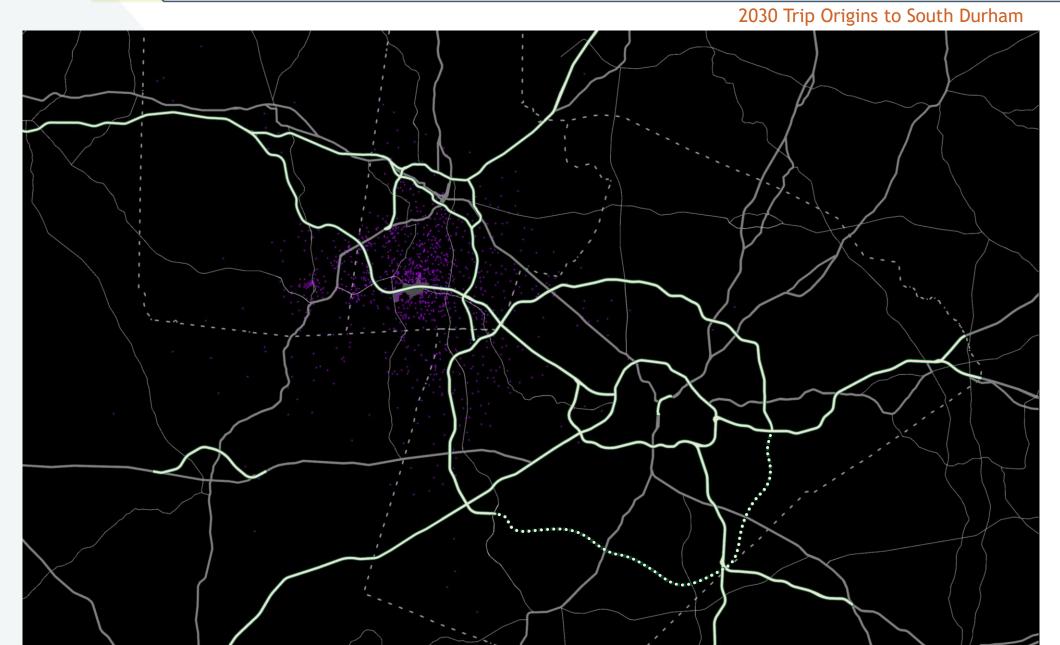




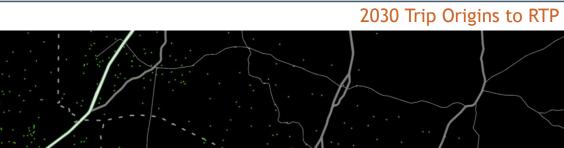








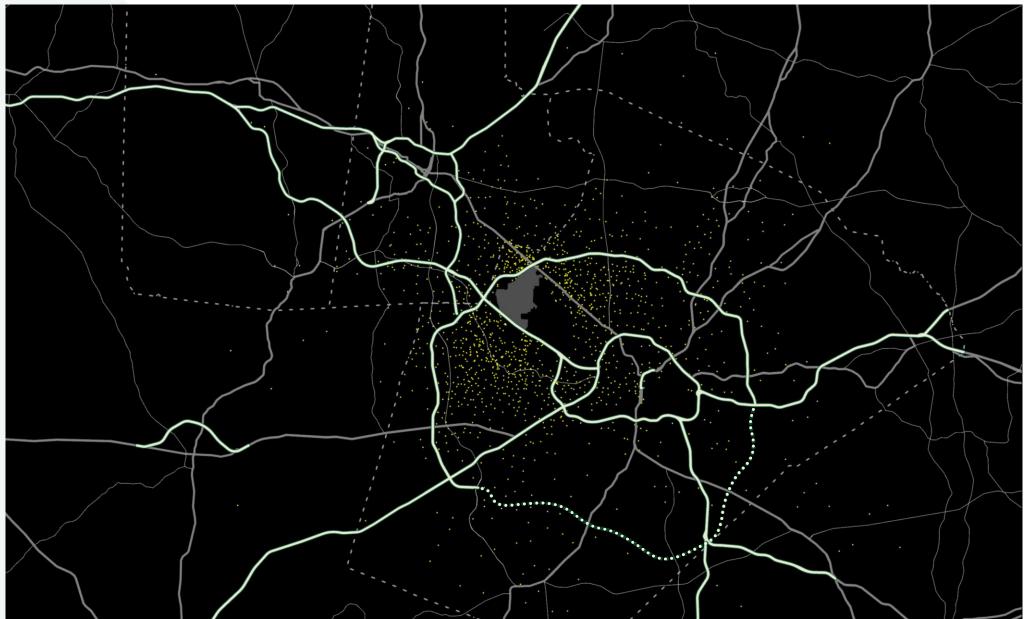




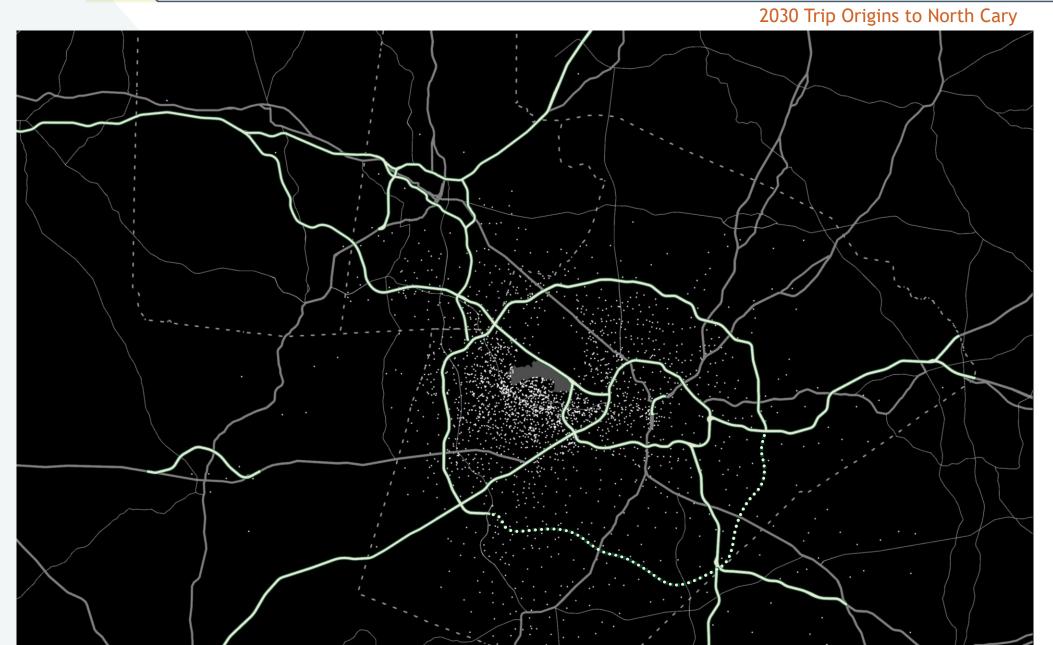




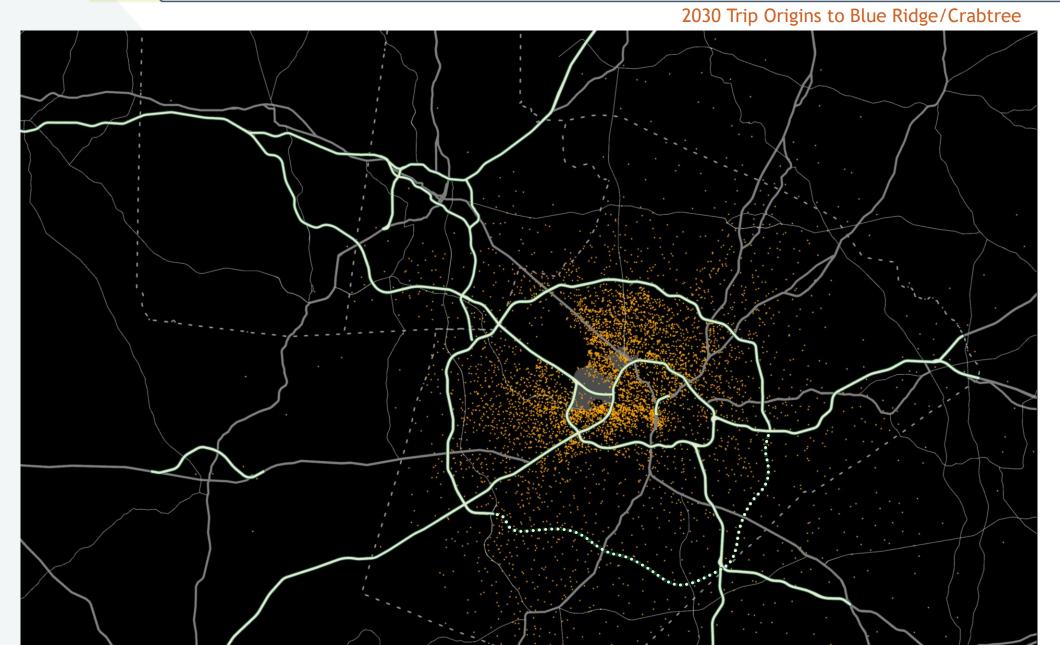






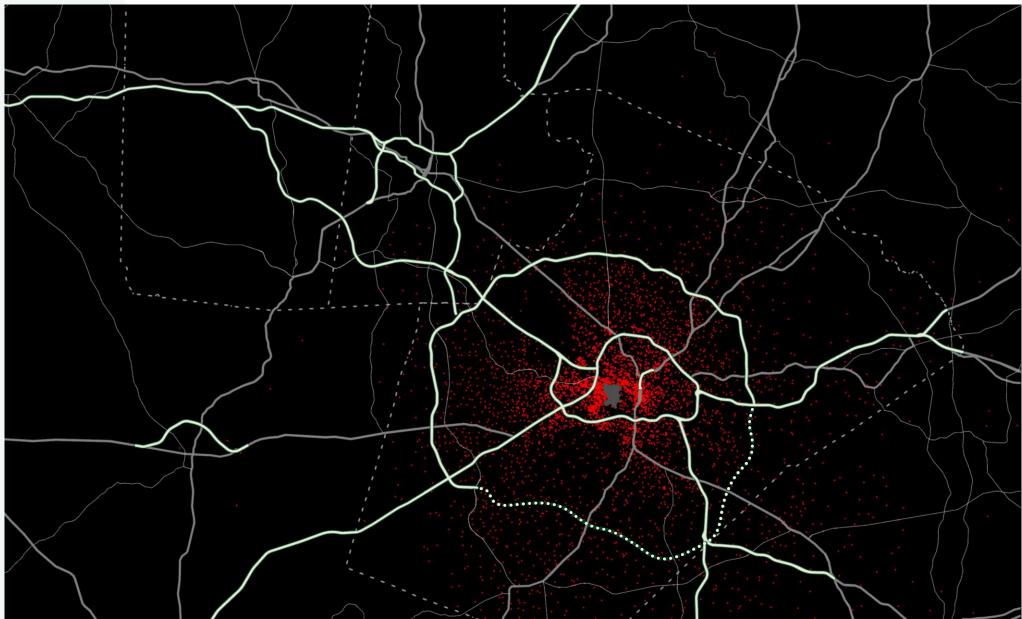




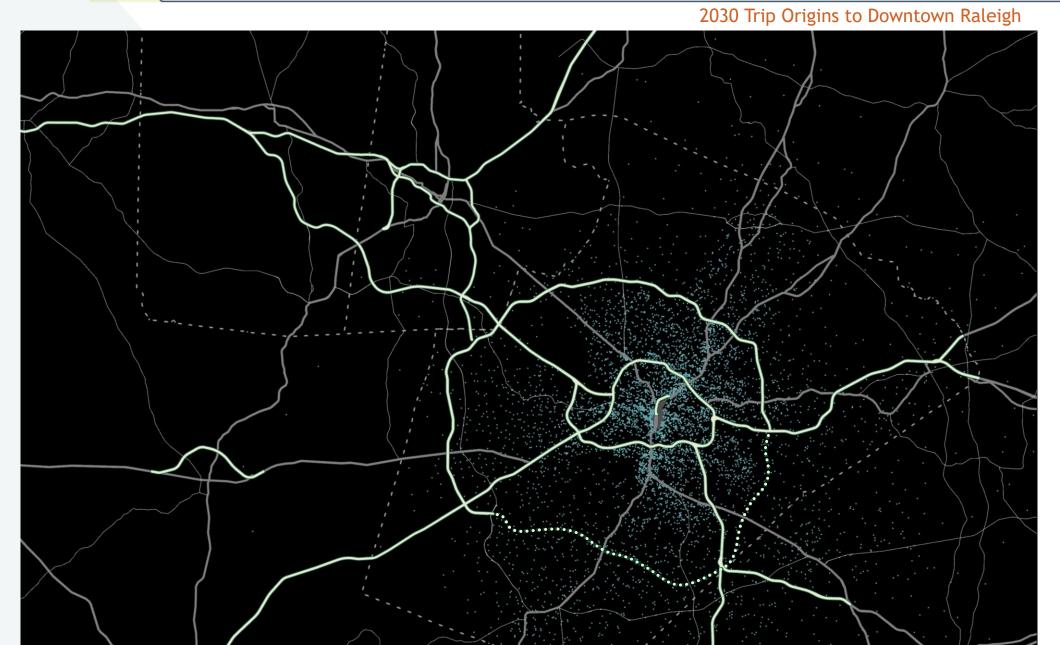




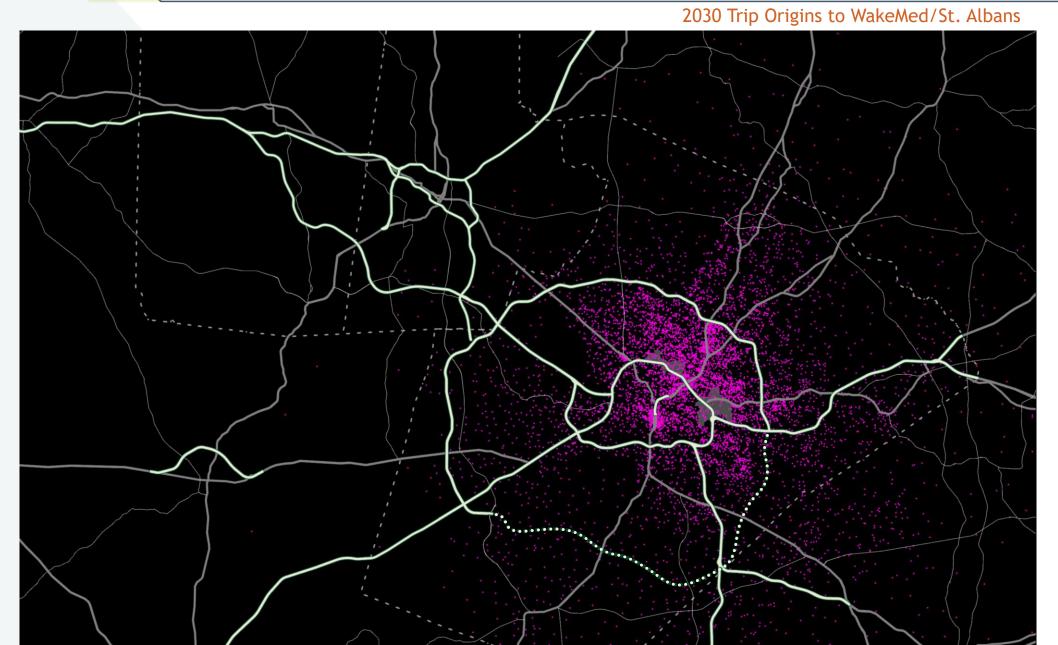




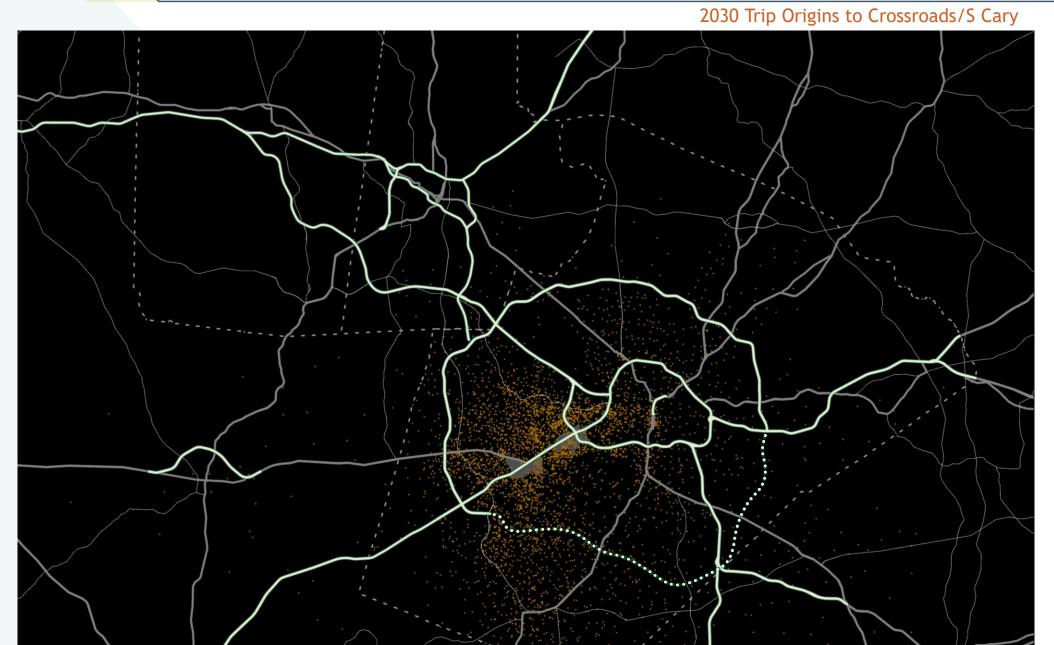








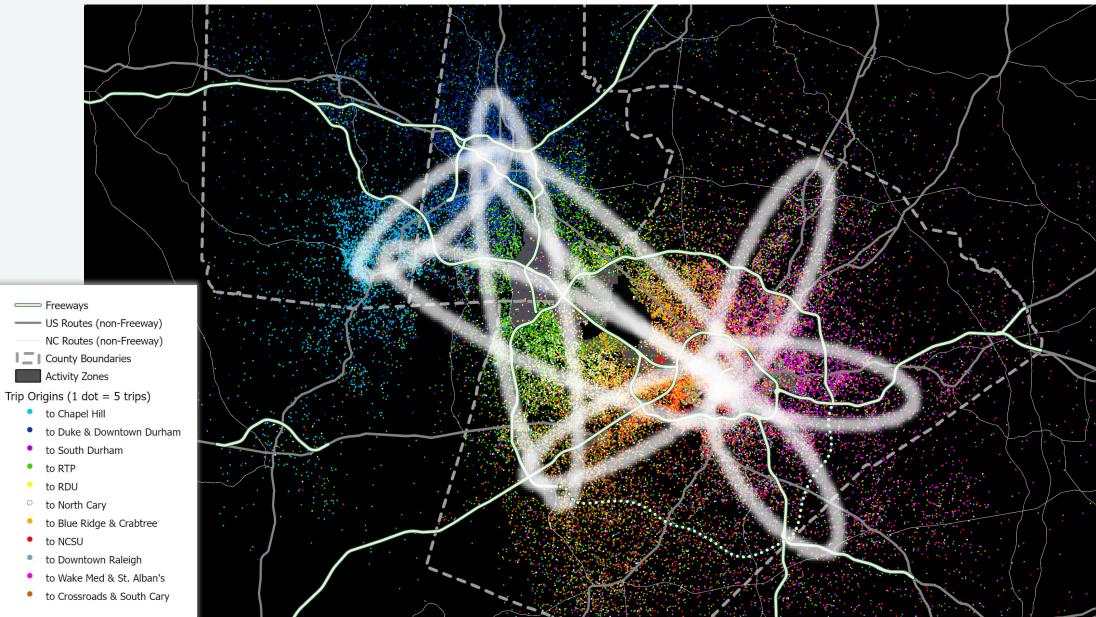






#### FAST Network







## Potential transit advantages



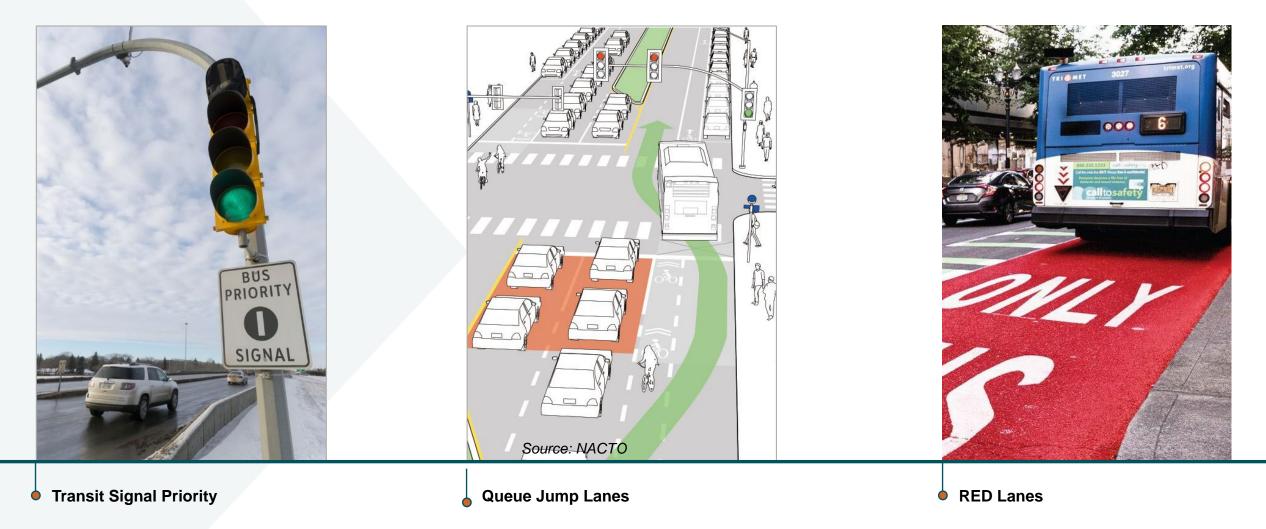
FAST Network Characteristics





FAST Network Characteristics

#### Low-cost transit advantages - Streets





#### Stop Features



Level Boarding

Enhanced Bus Stop

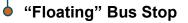
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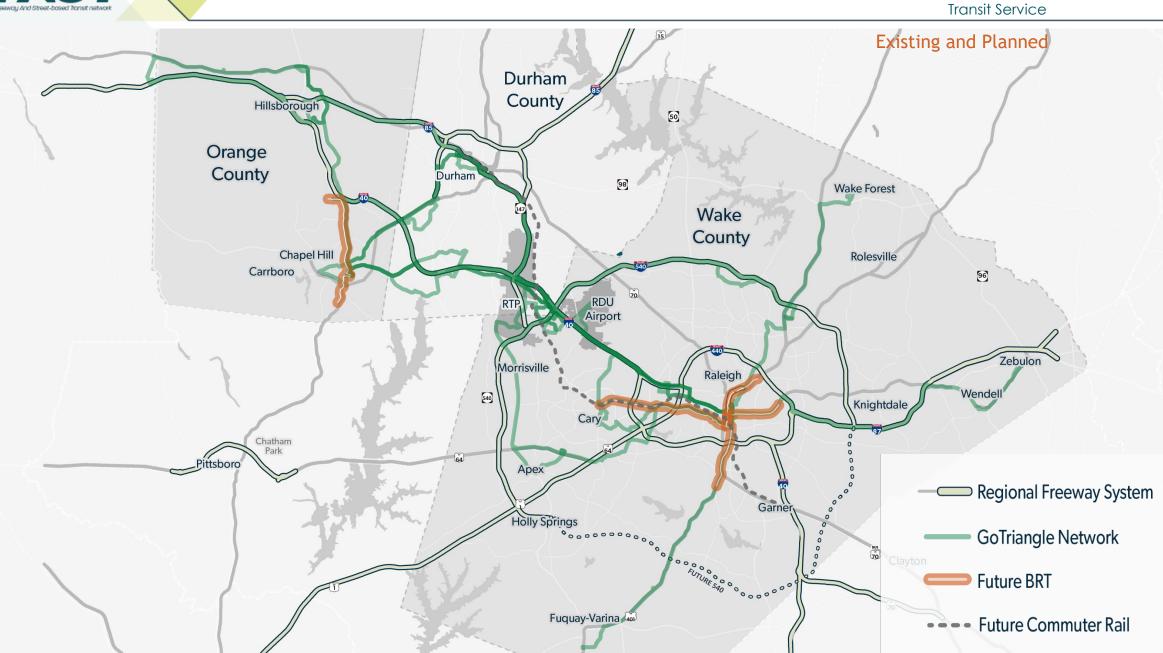
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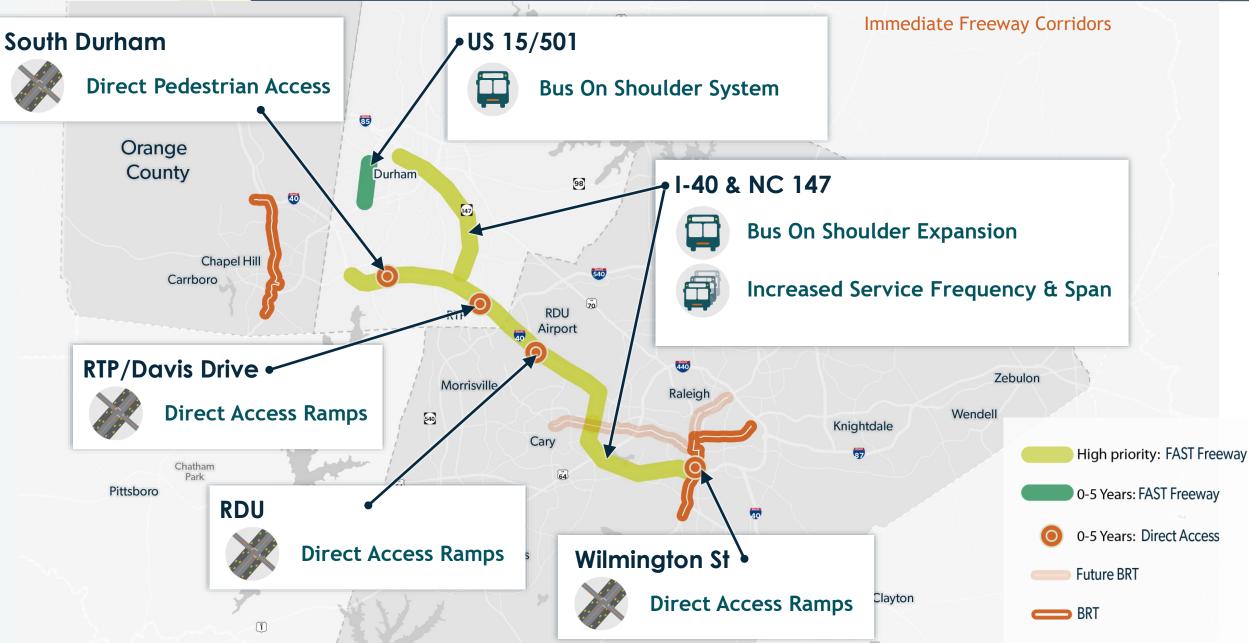
## Proposed 2025 FAST network







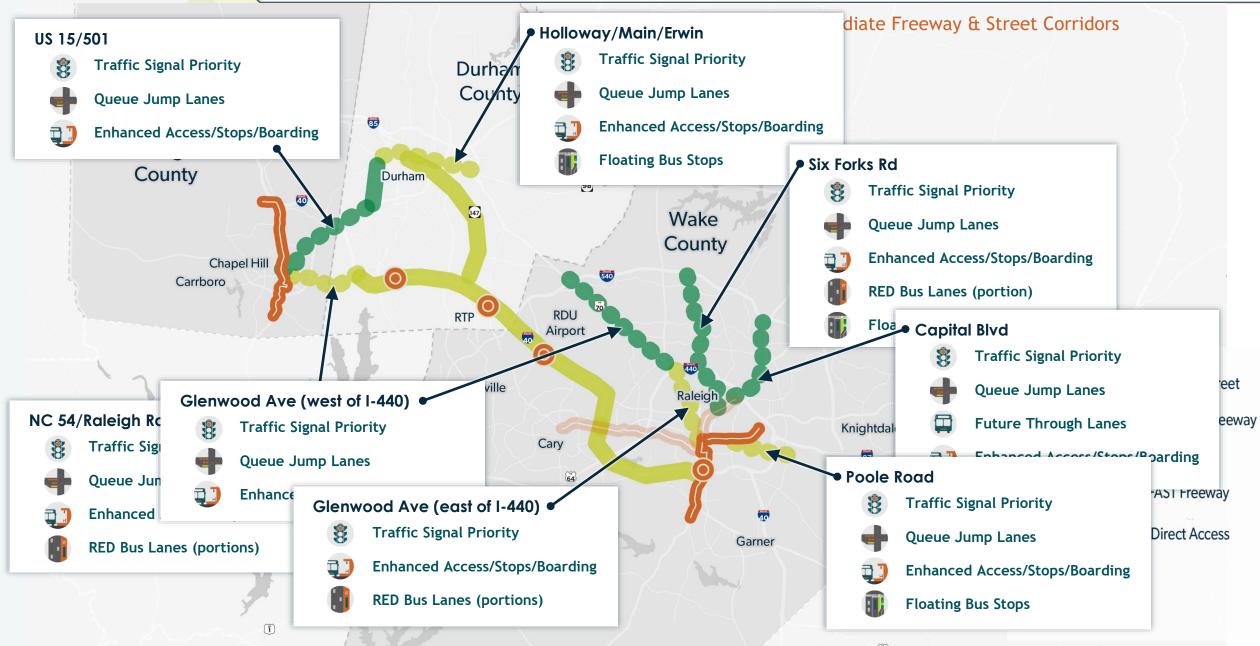
FAST Network

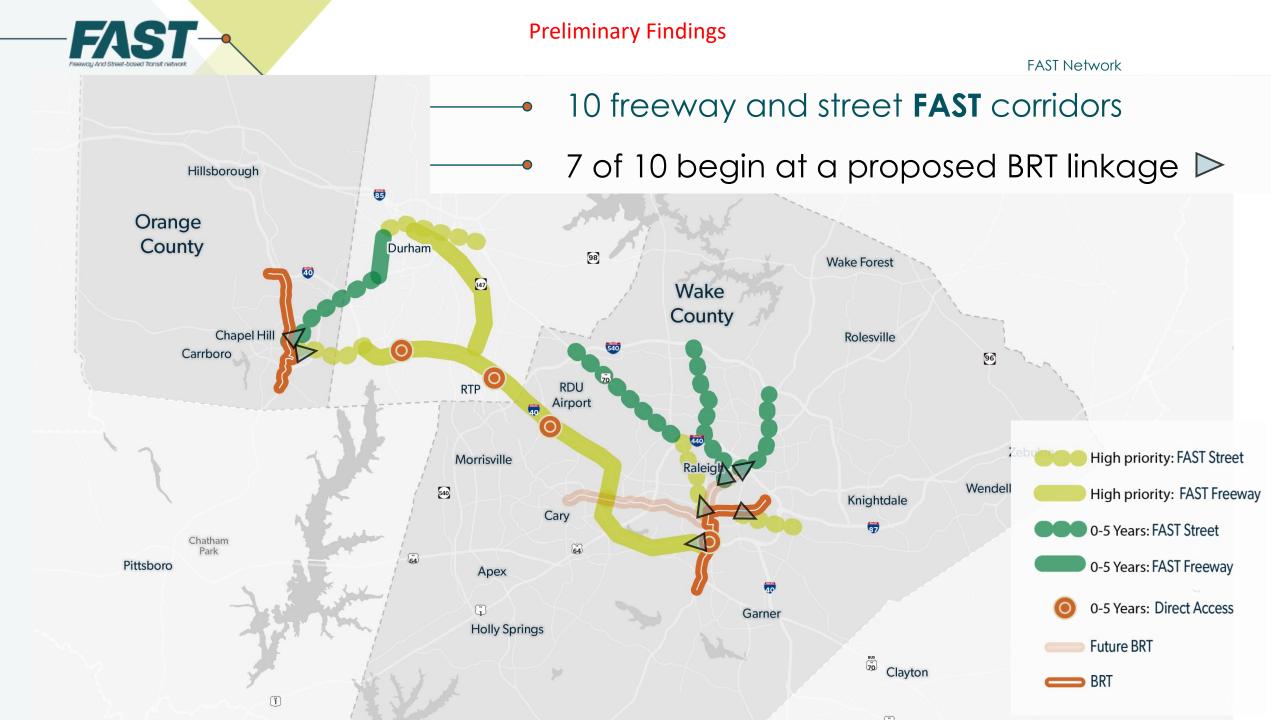




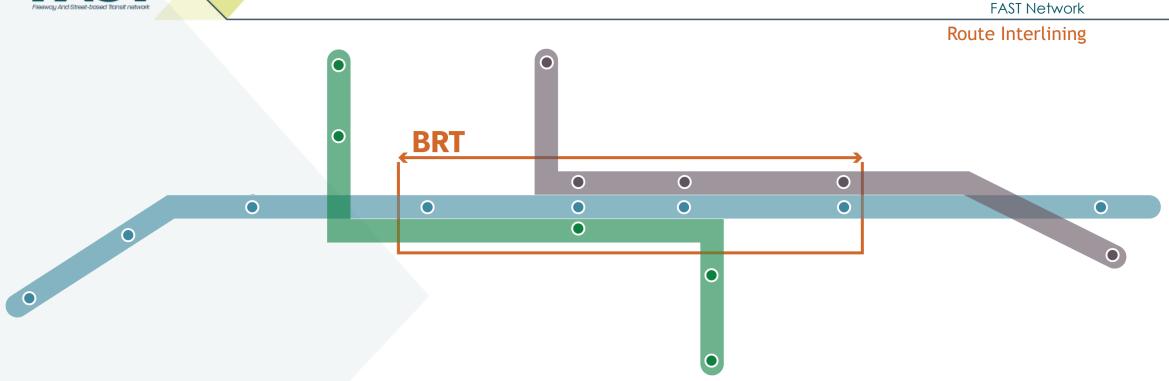
Systemwide 🗇 Increased Frequency

FAST Network









## "Interlining" with 2+ routes along part of a BRT lane (e.g.)

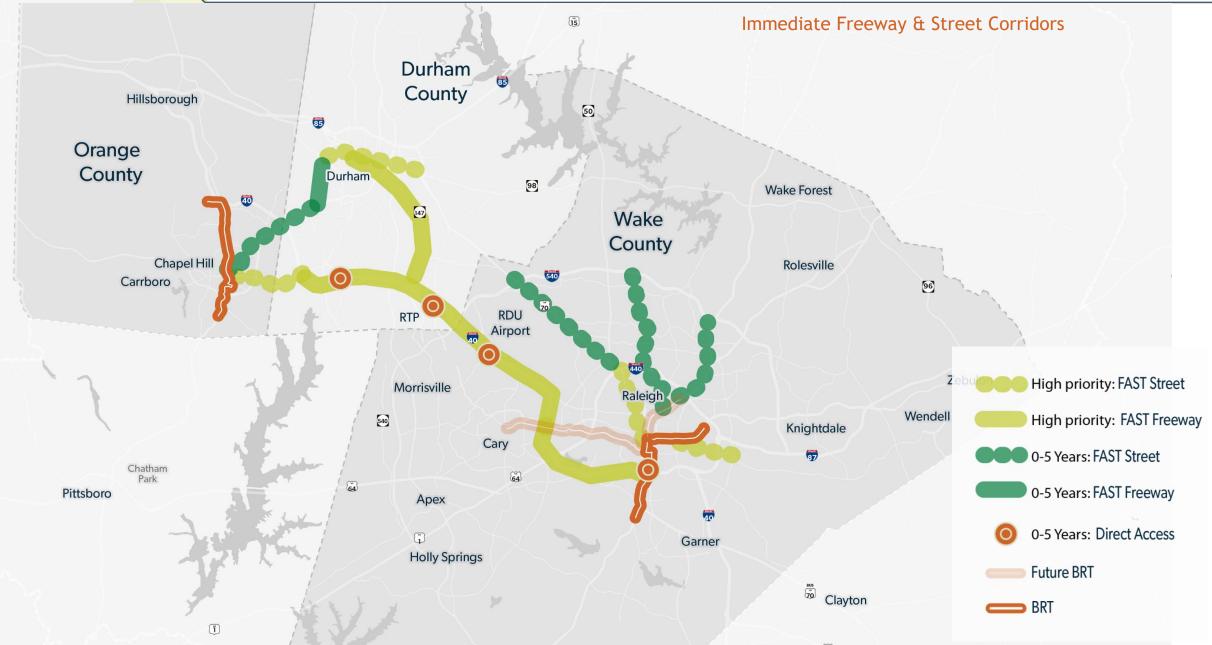
- Increased speed and reliability
- Higher frequency
- Multiple travel options



## Example future FAST corridors

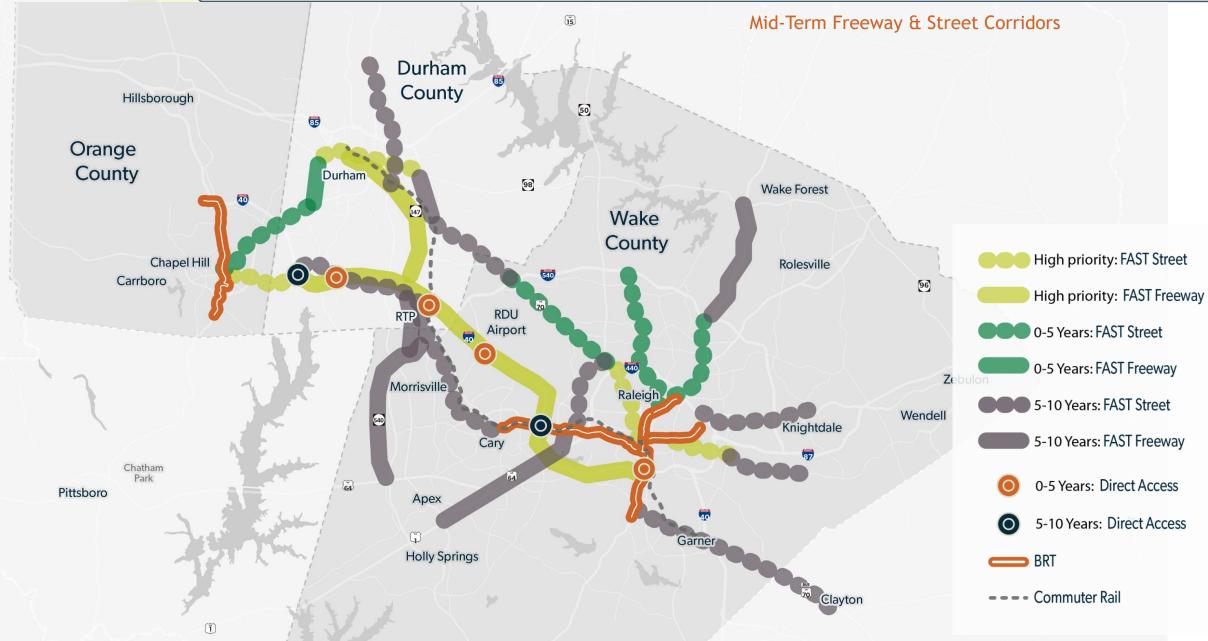


FAST Network

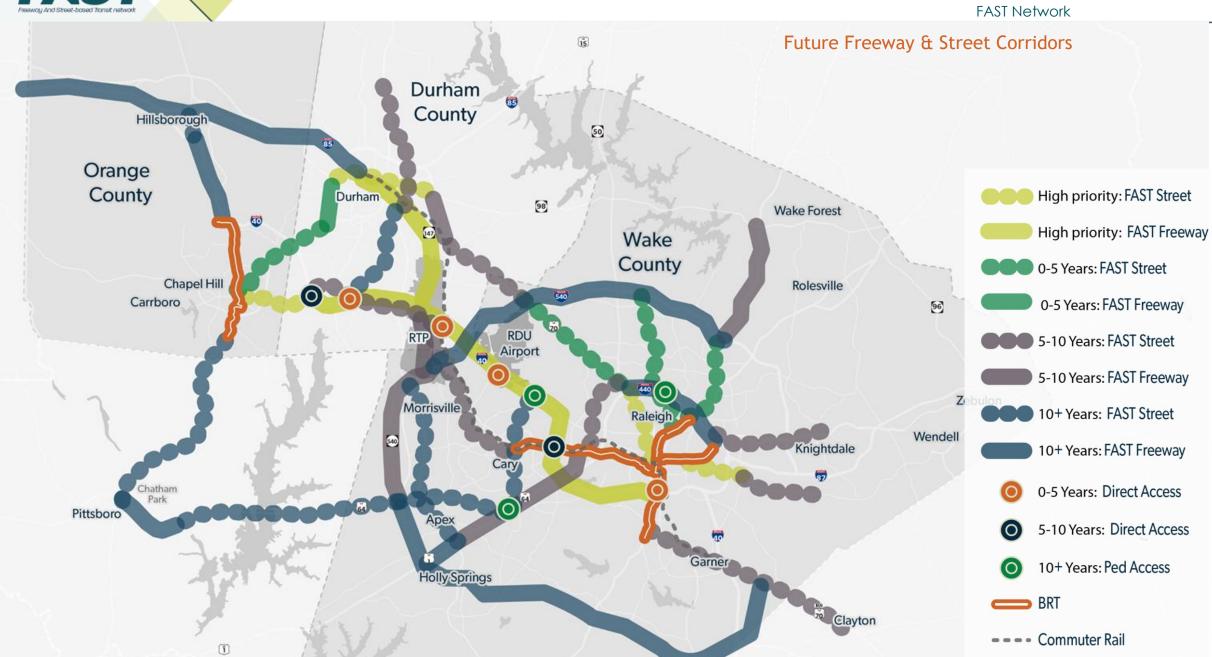




FAST Network









Infrastructure

Enhanced FAST Infrastructure

# Minneapolis: I-35W Lake Street Station





Wrap Up



#### FAST Network Feedback Opportunities

# Public Comment Period

- Download a version of this presentation at <u>letsgetmoving.org/FAST</u>
- Email comments to
   <u>FAST@letsgetmoving.org</u>
- 45-Day Comment Period
   July 16-August 31





FAST Network

What's Coming

# Next Steps

- Review ongoing/upcoming highway projects for potential transit advantage incorporation opportunities
- Develop implementation playbook for several illustrative examples
  - High priority projects
  - 0-5 year projects





- Taruna Tayal | ttayal@vhb.com | 919.741.5525
- Don Bryson | dbryson@vhb.com | 919.334.5615











# Freeway And Street-based Transit network

Presented By: VHB Team RTA Breakfast, August 4, 2020

RTA REGIONAL BUSINESS LEADERSHIP

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Triangle

## Preliminary Findings Update



# Zero Fare pilot study HDR

**RTA 2020 Transportation Breakfast** 



# **Getting Everyone On Board:** Recommended Options for the Triangle's next Zero Fare Pilot

Zero Fare for Everyone Pilot Study

# Preliminary Findings Update

**RTA 2020 Transportation Breakfast** 

August 4, 2020

FJS



## **HDR Study Team**



Jorge Luna Project Manager Senior Transit Planner



Patrick McDonough Senior Transit Planner



Kate Ko, Ph.D Senior Economist



## What is Zero Fare?

A transit agency **policy** whereby transit patrons are not required to make a fare payment or display a pass



## Why "Zero Fare" and not "Fare free"?

Nothing is "free"

In fact, some transit elements will actually cost an agency more to provide when fares are eliminated

## Low-Fare Fare-Free Fare-Free TRANSIT Some recent applications by U.S. Transit Systems





Prepared for: U.S. DEPARTMENT OF TRANSPORTATION URBAN MASS TRANSPORTATION ADMINISTRATION Office of Transportation Management and Demonstrations Office of Service and Methods Demonstrations Washington, D.C. 20590

## **Business Leadership on Zero Fare**

- RTA has supported expanding zero fare since Jan. 2018
- Regional business community focus on equity, accessibility, mobility, shared prosperity



## **RTA Zero Fare Pilot Study**

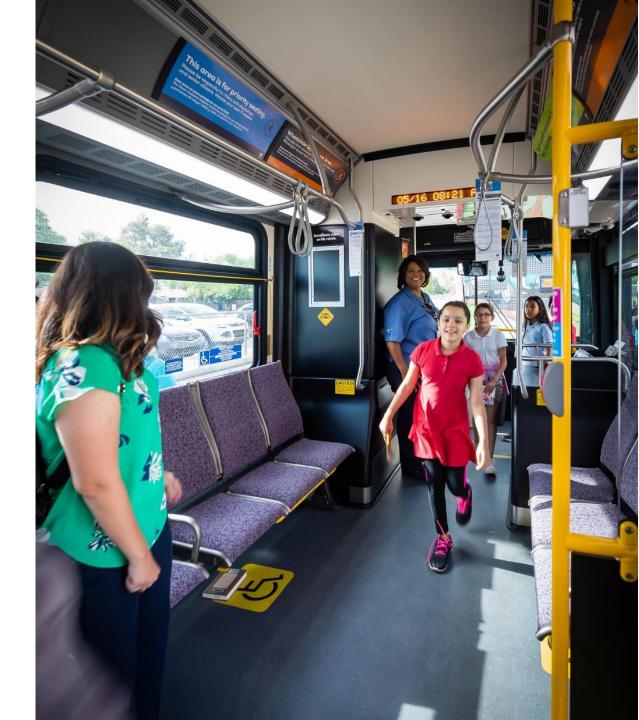
- RTA requested HDR to examine possible pilot options for expanding zero fare
- Study goal: identify potential candidates, promising service options, issues to resolve



# Removing Barriers with Zero Fare

Zero Fare transit removes barriers to using, and *considering* using, transit

- Financial barriers
- Mental barriers
- Physical barriers



# **Benefits of Zero Fare**

- Reduces travel costs for users
- Enhances equity and shared prosperity
- Increases ridership
- Improves accessibility
- Economic competitiveness
- Attracts, retains talent in region
- Faster travel times
- Lowers administrative costs
- Reduced public outreach costs
- Improves driver morale and safety
- Reduces maintenance, operating, capital costs
- Environmental sustainability



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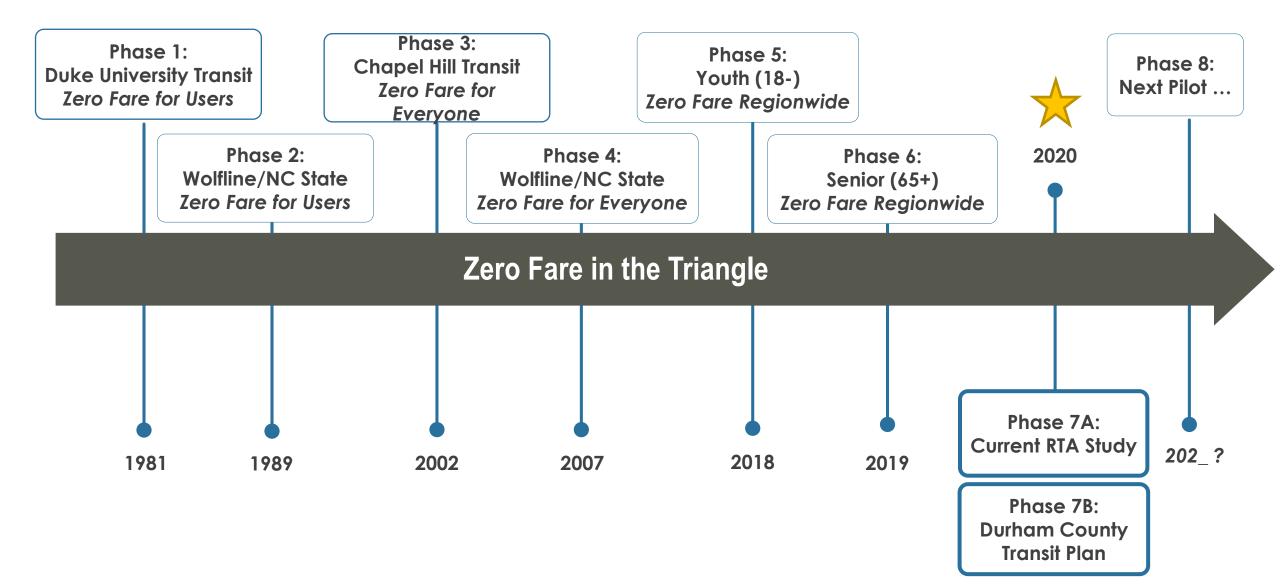
## **Zero Fare Issues to Address**

Loss of fare revenue Capacity impacts Increases paratransit usage

Slower travel time – operational challenges

Can induce "non travel" use of transit vehicles Increases maintenance, operating, capital costs?

## History of Zero Fare in Triangle



# Zero Fare Study Methodology

- Local agency interviews
- Peer agencies elsewhere
- Literature review
- Ridership and economic analysis



# **Local Agency Engagement**

- Receive local data
- Understand areas of interest
- Hear concerns
- Identify potential peer agencies



## **Zero Fare Peer Agency Interviews**

Zero Fare policies, implementation, impacts, and lessons learned

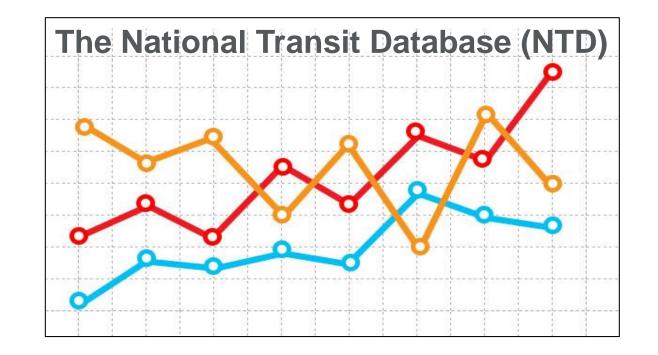
- Olympia, WA
- Summit Stage, CO
- Rock Hill, SC
- Lawrence, MA
- Kansas City, MO





#### **Benchmark Analysis**

- Review of FY2018, pre-COVID data
- Comparison with "synthetic" or median peer agency



### **Zero Fare Research Findings**

#### **Benefits**

- 20-30% ridership increase
- Higher travel speeds
- Fare collection savings
- Fewer conflicts with customers

#### **Issues to address**

- Crowding on certain routes
- Paratransit usage and costs
- Funding, partnerships



#### How Zero Fare Peer Agencies are Replacing Fare Revenue

- Olympia, WA Sales tax, \$550k annual savings on collection costs
- Summit Stage, CO Sales tax
- Kansas City, MO Sales tax, considering parking surcharge
- Lawrence, MA
   City of Lawrence reimbursing regional transit authority
- Rock Hill, SC General fund, institutional contributions (university, health system, credit union)













#### **COVID19 and Crowding**

- Typical transit bus has 30 to 37 seats
- Social distancing protocols limit capacity to 10 to 16 passengers
- Zero Fare could increase ridership by 30%; but, buses with lower capacity can fill faster, potentially leaving some people behind; additional buses could be deployed but it may raise operating cost



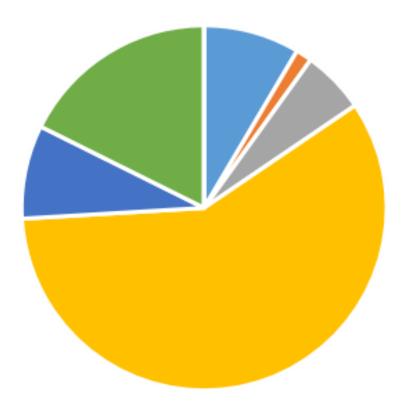
#### **Pilot Options to Consider for Triangle Area**

- GoCary 7-days Zero Fare –OR– Zero Fare weekends
- GoRaleigh Zero Fare weekends
- GoDurham Zero Fare weekends
- GoTriangle Zero Fare weekends

Chapel Hill Transit – continues with their program

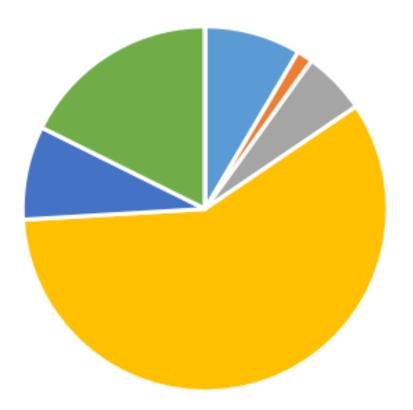


#### **Representative Agency Revenue Sources**



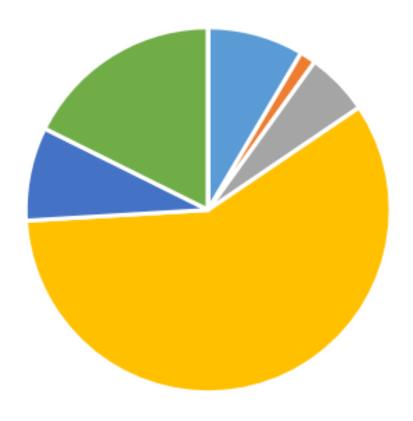
- 55% Local Funding
- 15% Federal Funding
- 10% State Funding
- 10% Misc. Revenue
- 8% Weekday Fare Revenue
- 2% Weekend Fare Revenue

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- 15% Federal Funding
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6-month (1/2 year) Zero Fare Weekends pilot:

= 1% of Annual Agency Operating Revenue

#### Why Focus on Zero Fare Weekends Pilot?

- Lowers cost risk due to ridership, paratransit increase
- Mitigates crowding risk
- Easier to fill revenue gap
- Equity / lower income population
- "Zero Fare Weekends" easy to explain



### **Getting Everyone On Board:** Recommended Options for the Triangle's next Zero Fare Pilot

Zero Fare for Everyone Pilot Study

### Preliminary Findings Update

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# REGIONAL BUSINESS PERSPECTIVES Joe Milazzo II RTA executive director

**RTA 2020 Transportation Breakfast** 



#### **Does RTA believe a Zero Fare Weekends pilot has promise?**





#### **Does RTA believe a Zero Fare Weekends pilot has promise?**

Yes...





#### **Does RTA believe a Zero Fare Weekends pilot has promise?**

#### Yes...

- Opportunity for 30% ridership increase
- Meaningful impact on recovery, equity
- Other areas are implementing zero fare
- Only 1% of agency revenue for a 6-month weekend pilot

Zero Fare Weekends can de-risk pilot, still be meaningful





#### Are agencies ready to do a Zero Fare Weekends pilot today?





#### Are agencies ready to do a Zero Fare Weekends pilot today?

No...





#### Are agencies ready to do a Zero Fare Weekends pilot today?

### No...

- State funding concerns
- Capacity constraints (coronavirus)
- Low ridership = low fare revenue
- Safety, pandemic cleaning costs

Definition of success, amidst other changes (mobile ticketing, new routes).





#### **Current actions**

- HDR will complete preliminary findings report
- Partner transit agencies have until late August to comment
- RTA requesting feedback from members <u>zerofare@letsgetmoving.org</u>





#### Next Steps – Zero Fare weekends pilot options

RTA will commission follow-up study

Examine recommended weekend pilot options in more detail, challenges, how to address

- Seek 1+ agencies willing to consider scalable zero fare weekends pilot Develop pilot concept, plan, metrics in concert with each participating agency
- Elevate the conversation regionally revisions to county transit plans underway





#### **Concluding thoughts – zero fare**

- Zero fare weekends opportunity is real and compelling
- Legitimate funding, capacity concerns by agencies
- RTA will commission phase 2 study to address risks, tradeoffs, seek scalable\* pilot
  - \* We passed county transit referenda over 3 different years, and prior zero fare over 3 decades

Risk of **not** doing a zero fare pilot – reduced accessibility, mobility, opportunity, and equity.





#### **Concluding thoughts – FAST study and enhanced transit**

- Opportunity to leverage freeway and street network
- Implement <u>scalable</u> "transit advantages" keep buses moving, make them attractive
- Connect 5 bus rapid transit lines opening in 7 years, link to future commuter rail

Goal: create true, viable regional transit network by 2027







# REGIONAL BUSINESS OBSERVATIONS Jay Irby, RTA transit chair First Citizens Bank

**RTA 2020 Transportation Breakfast** 





# EXECUTIVE BUSINESS PANEL DISCUSSION

**RTA 2020 Transportation Breakfast** 



#### **Executive Business Panel Discussion**



Jay Irby First Citizens Bank RTA regional transit chair



Maeve Gardner GlaxoSmithKline RTA regional transit chair



Pete Marino Smith Anderson RTA freeways chair



Julia Wright Dominion Energy RTA policy chair



Scott Levitan Research Triangle Park President and CEO



**Joe Milazzo II RTA** Executive Director







# MEMBER ENGAGEMENT

Natalie Ridout RTA policy and member engagement director

**RTA 2020 Transportation Breakfast** 



#### **Engagement Opportunities**

View the presentations

Email FAST@letsgetmoving.org

Email <a href="mailto:zerofare@letsgetmoving.org">zerofare@letsgetmoving.org</a>

Aug. 11 – 12<sup>th</sup> Annual I-40 Partnership

letsgetmoving.org/breakfast

letsgetmoving.org/FAST

letsgetmoving.org/zerofare

letsgetmoving.org/i40

Jan. 22 – RTA 19<sup>th</sup> Annual Meeting

letsgetmoving.org/stateofmobility







## **CLOSING REMARKS**

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