



Team



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Don Bryson, PE VHB | Principal-in-Charge



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



Sasha Pejcic, PMP Stantec | Innovative Solutions



Overview



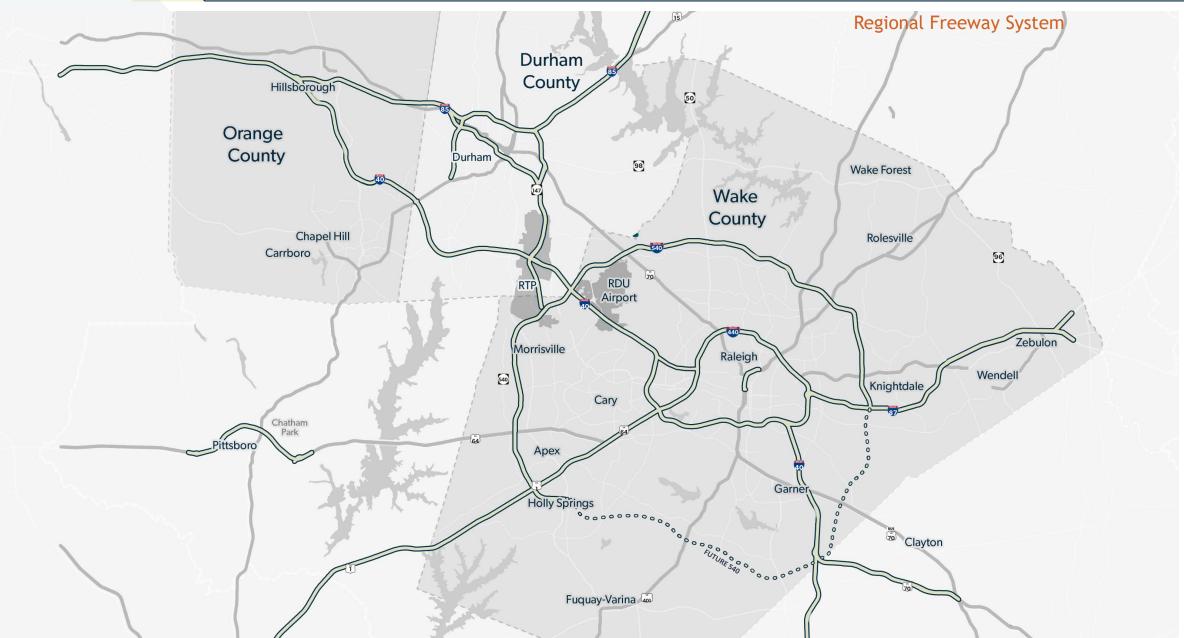


Study Purpose

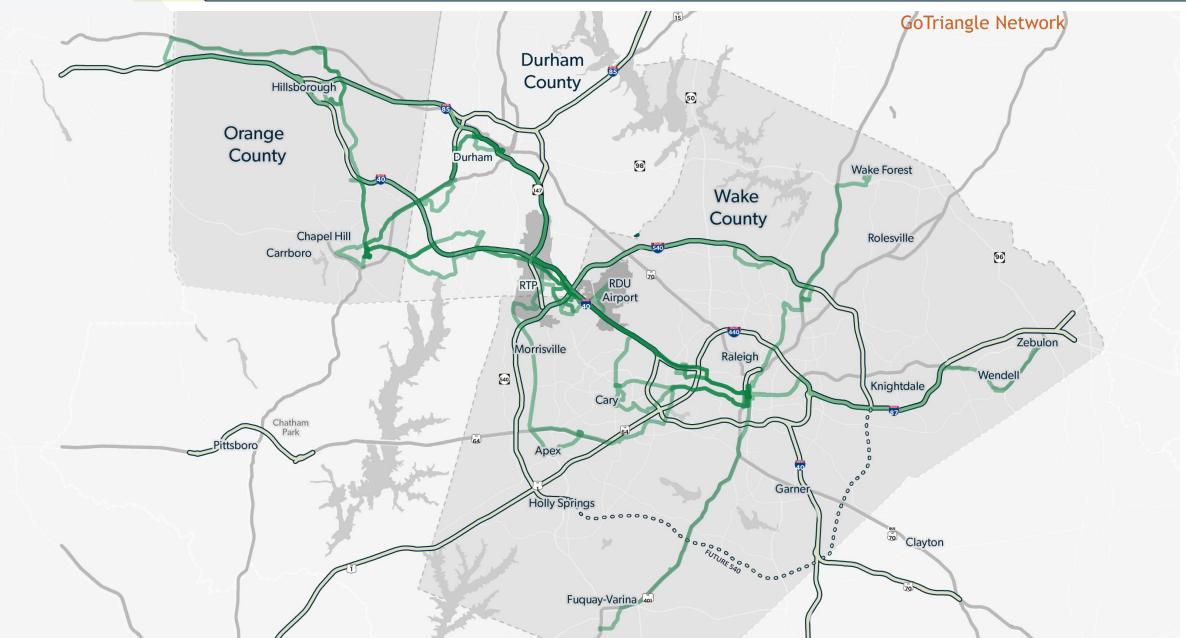
- Advance ideas for improving and accelerating regional connectivity
- Accelerate effective, all-day mobility along our freeway and street-system that can expand and improve over time
- Complement existing and emerging travel options
- Serve as a valuable template for other regions of the state

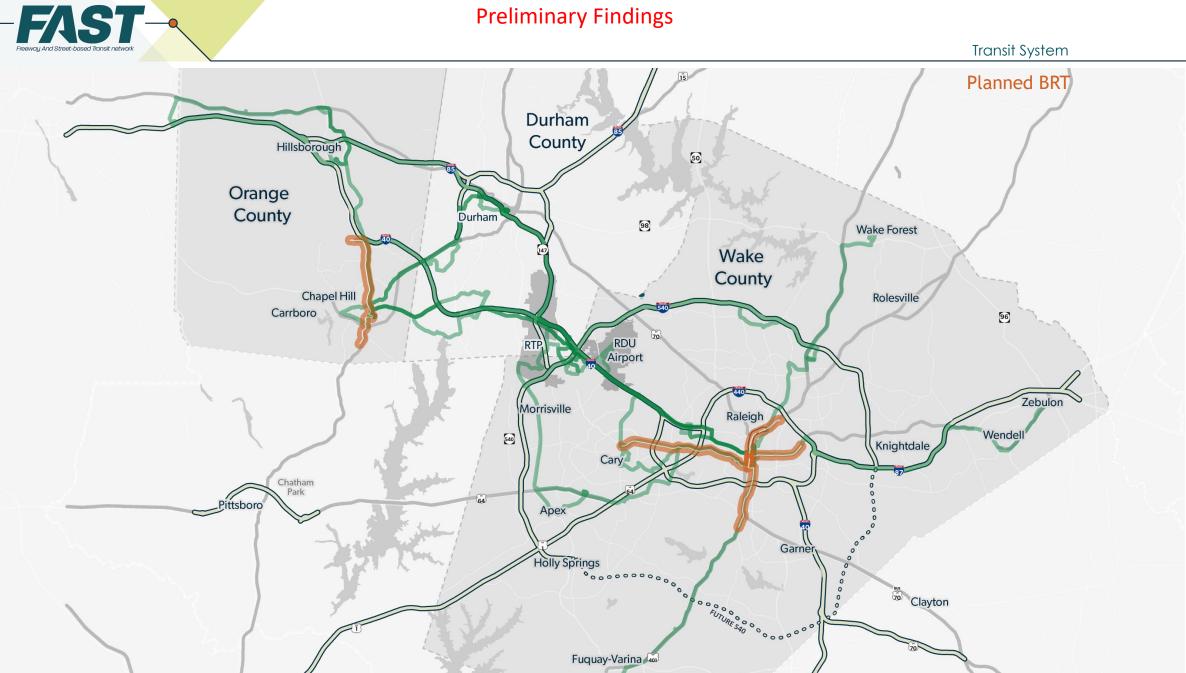




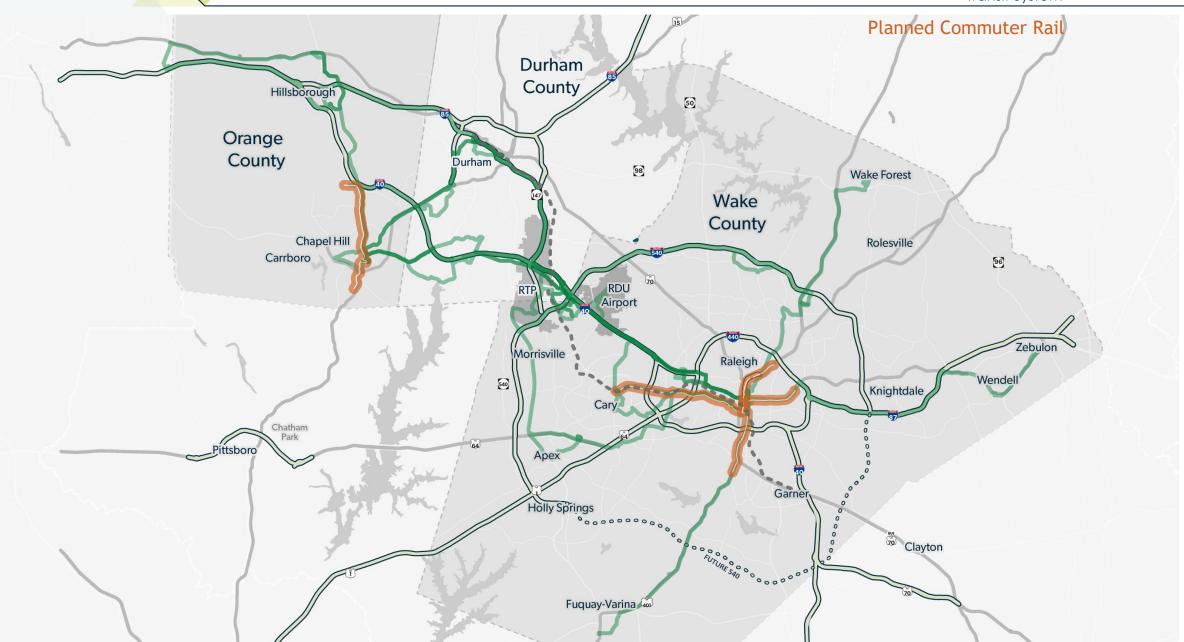
















- BRT corridors: High-frequency, high quality, subregional connections
- Commuter rail: Express, regional, low/moderate frequency connection
- FAST:
 - Assumes completion of BRT, multiple linkages to commuter rail
 - Provides complementary, effective, regional connections
 - Accelerates creation of true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



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



Methodology

Mobility criteria

- Travel Demand

Transit Performance

Traffic Performance

Context

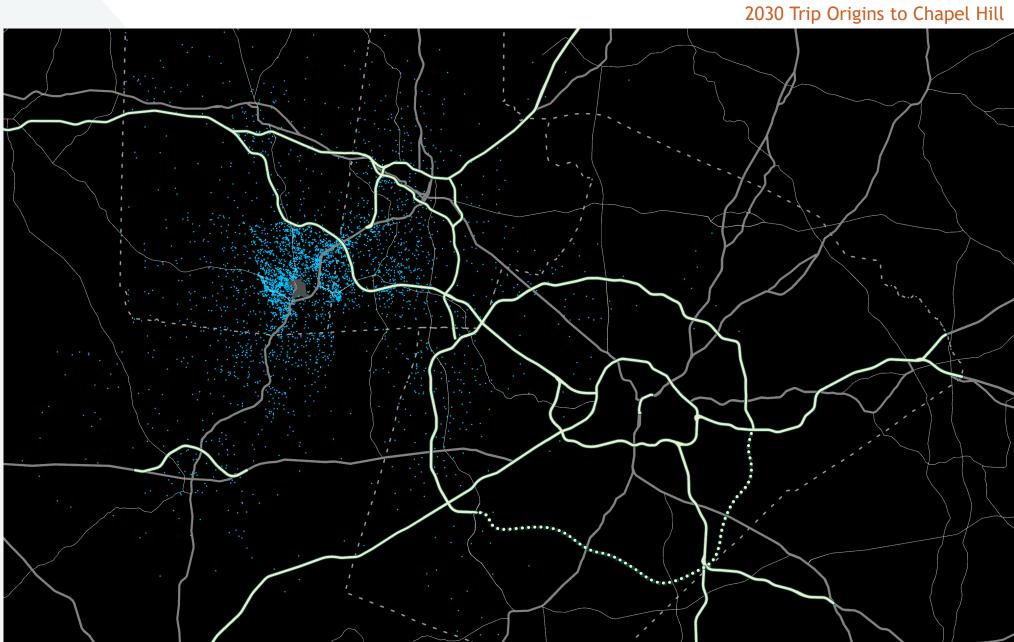
Accessibility criteria

Access Equity

- Planned Projects

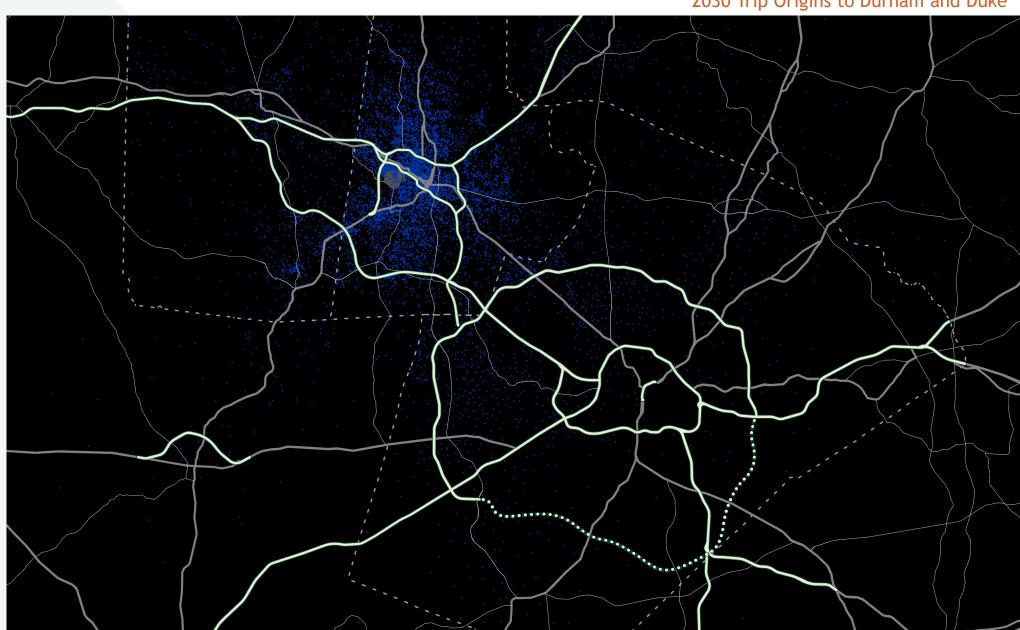
Missing Links



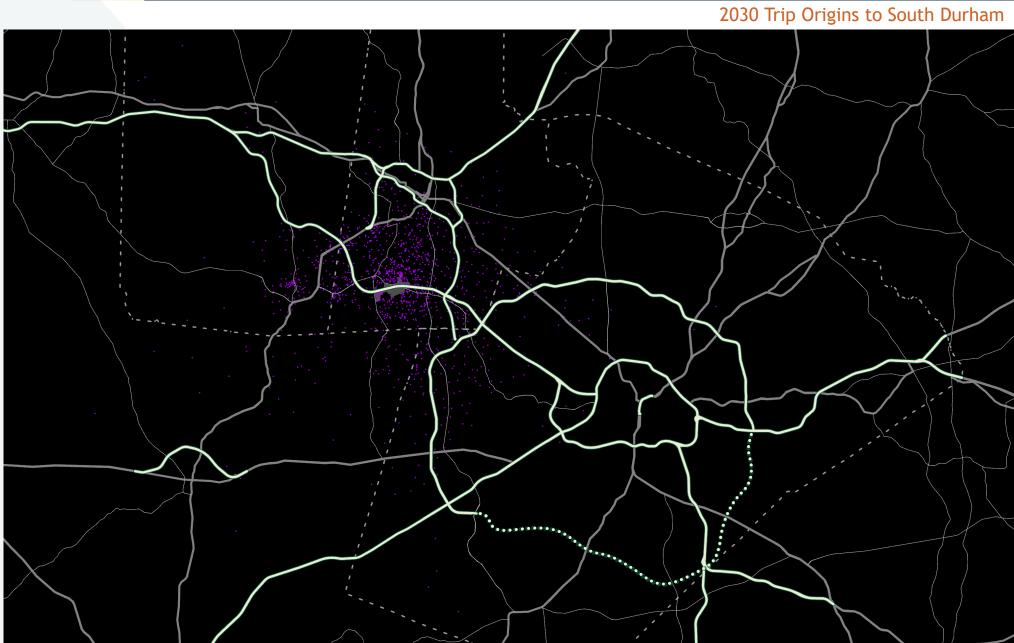




2030 Trip Origins to Durham and Duke

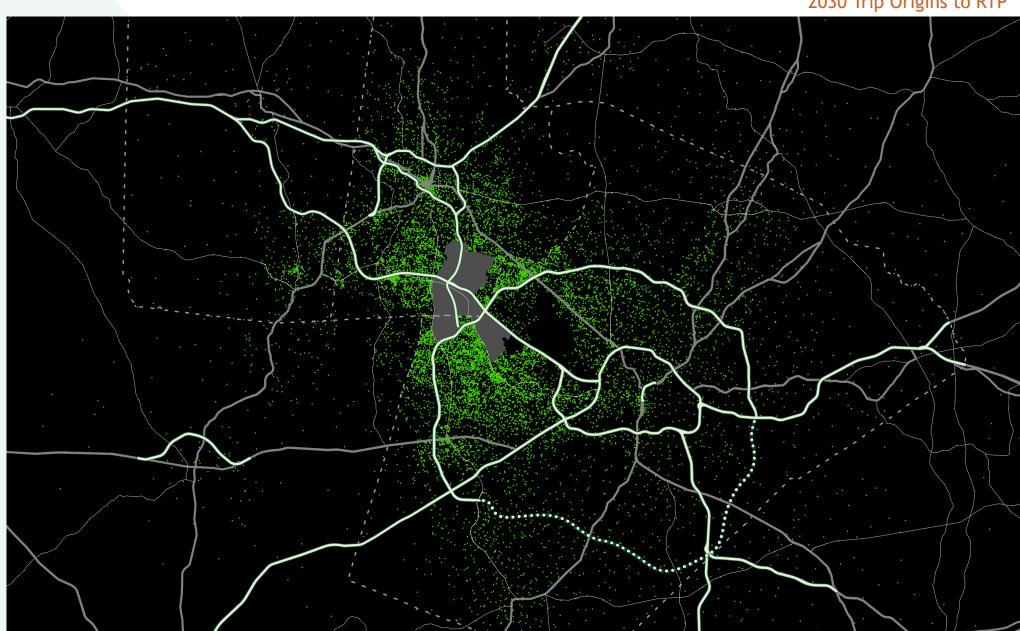




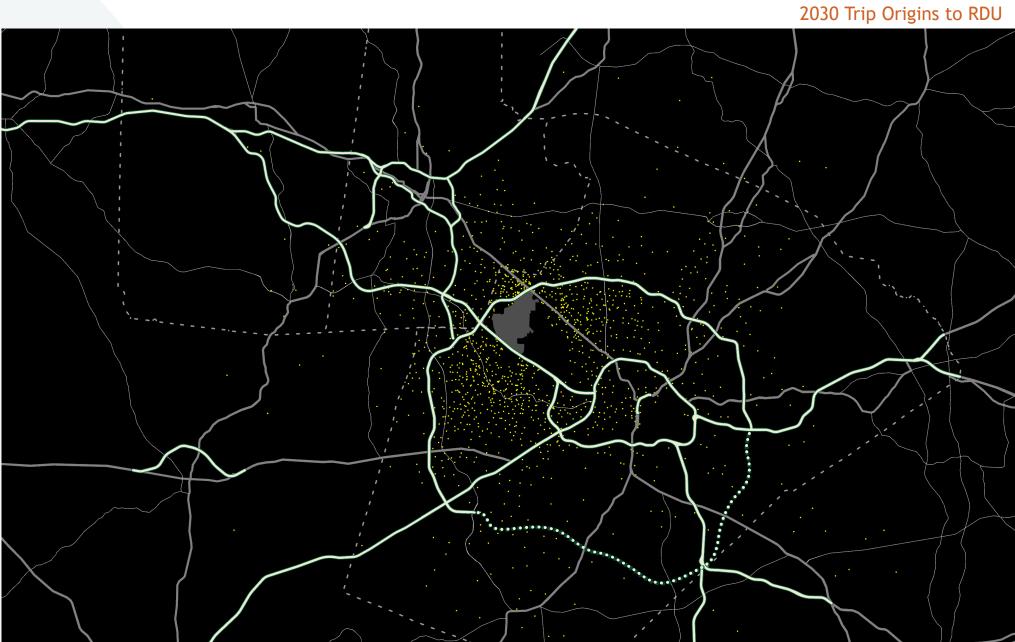




2030 Trip Origins to RTP

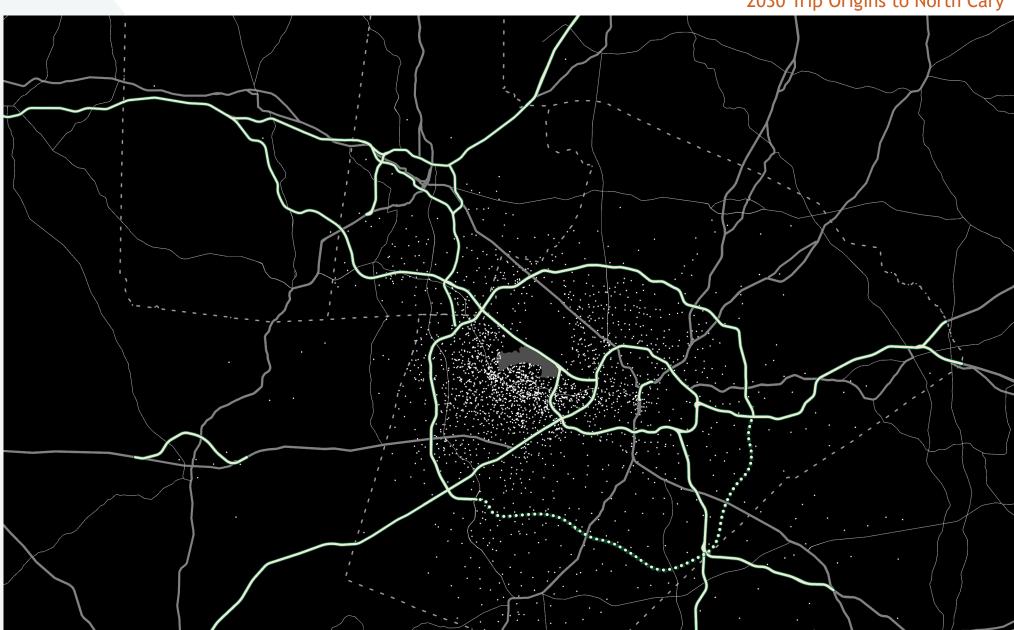






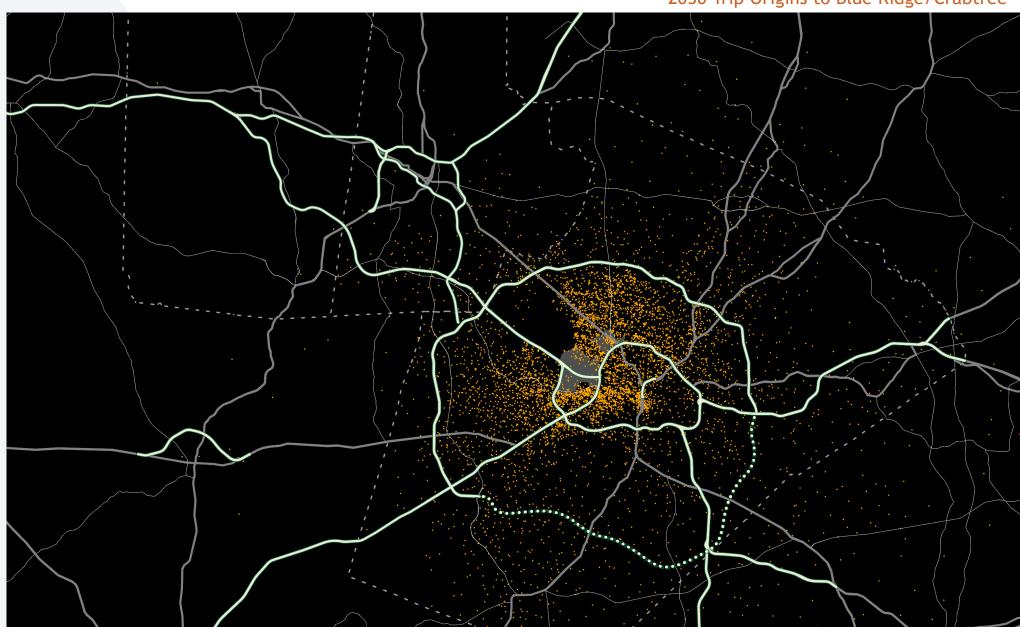


2030 Trip Origins to North Cary

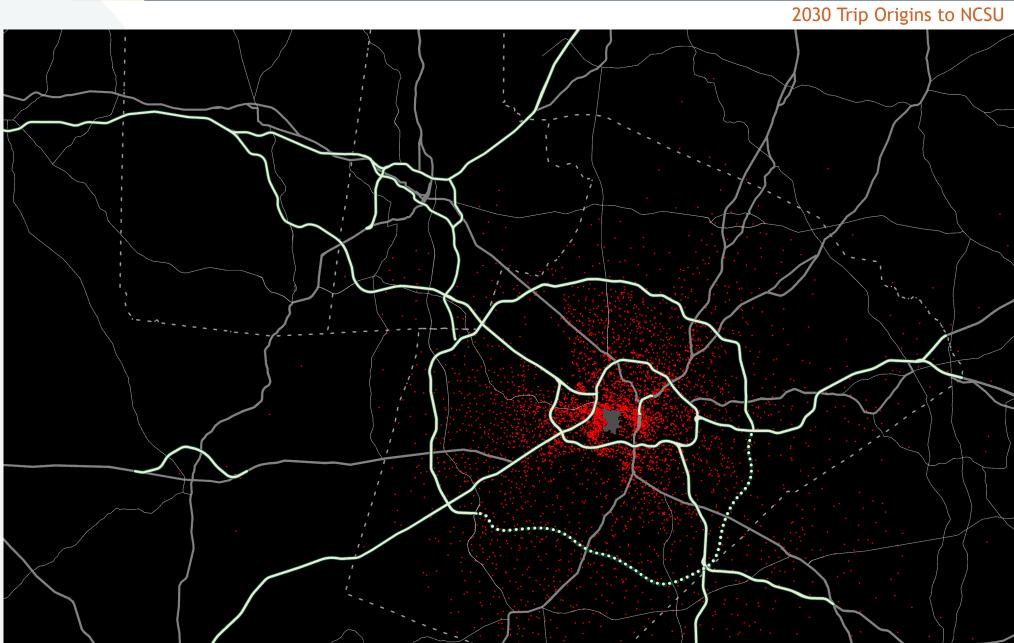




2030 Trip Origins to Blue Ridge/Crabtree

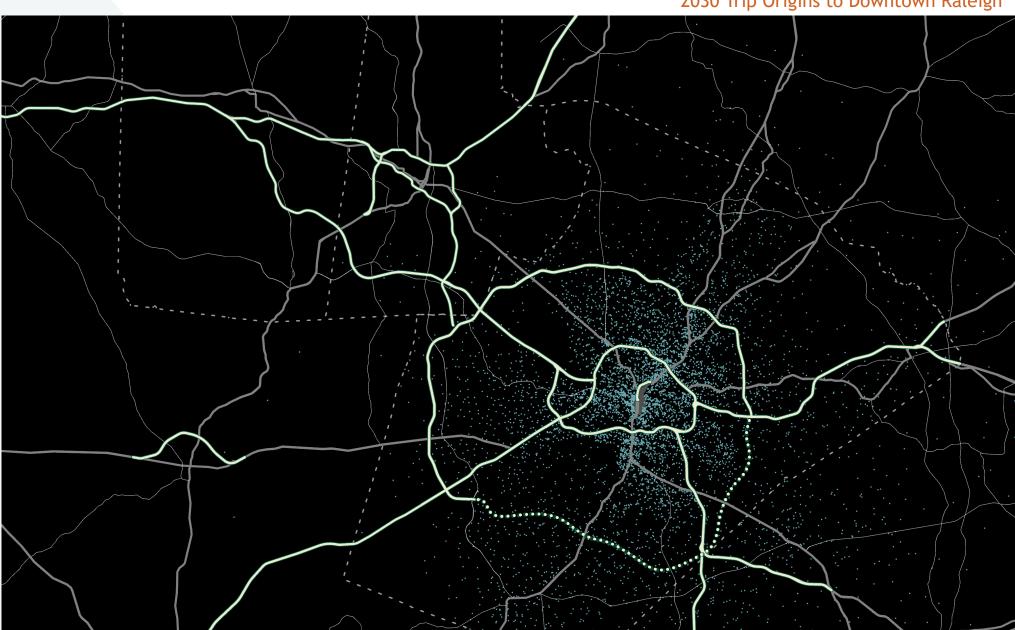






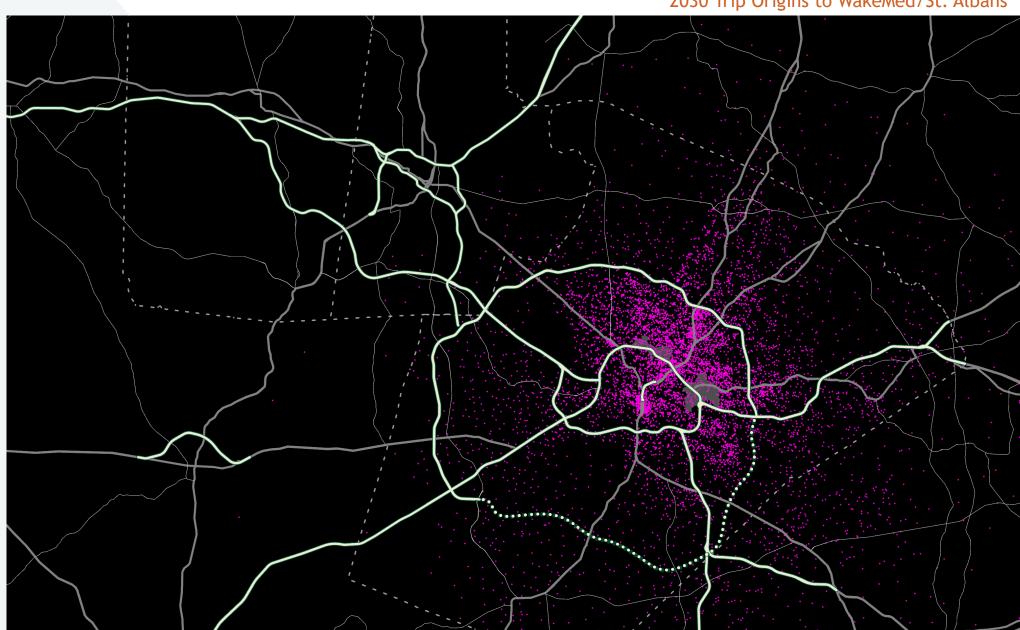


2030 Trip Origins to Downtown Raleigh



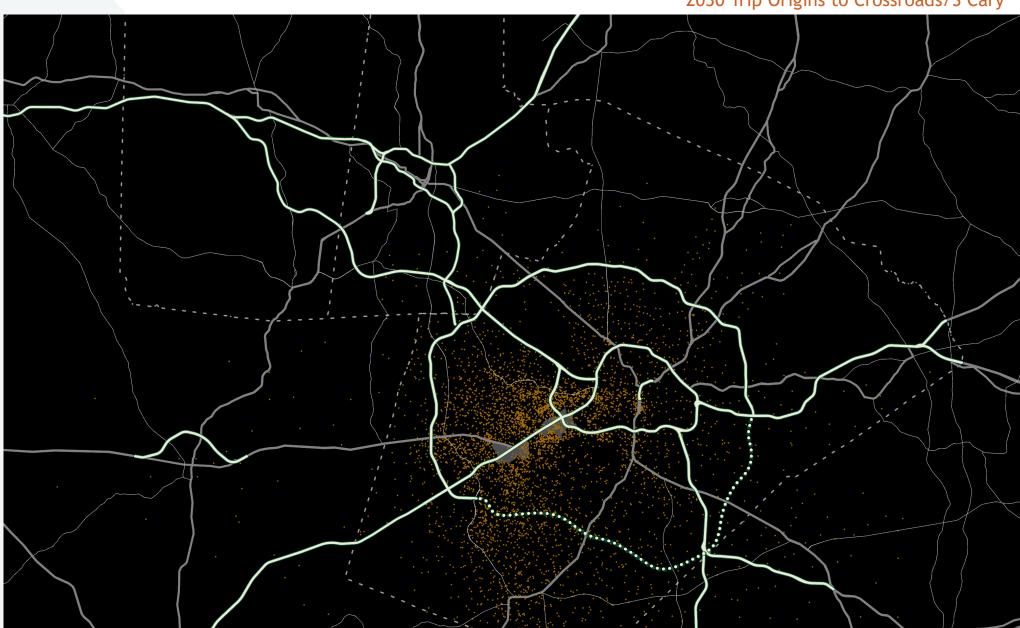


2030 Trip Origins to WakeMed/St. Albans

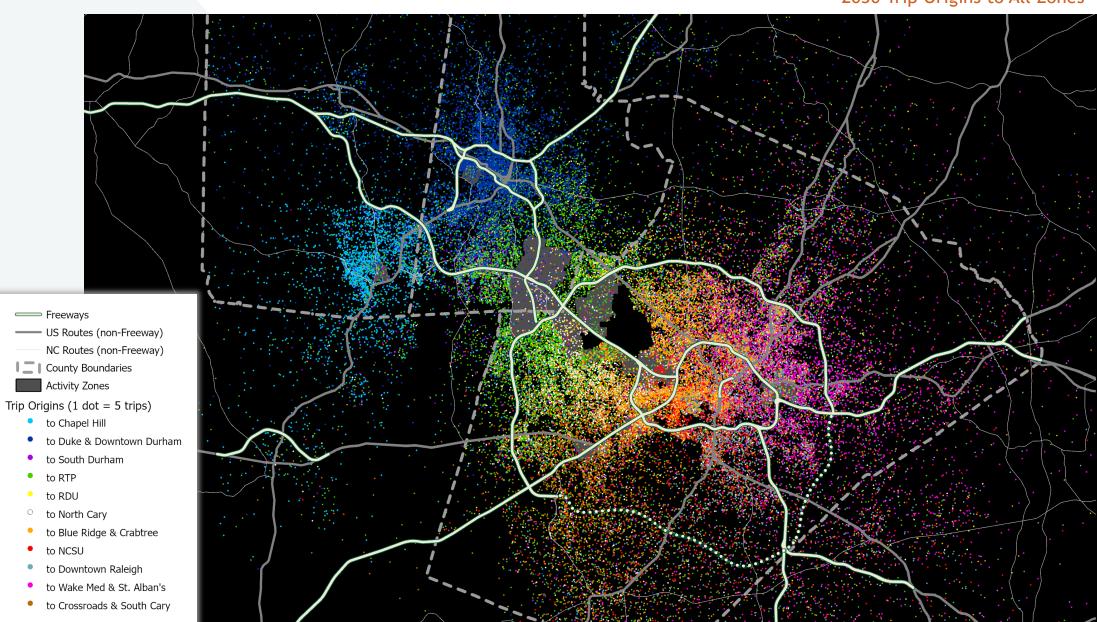




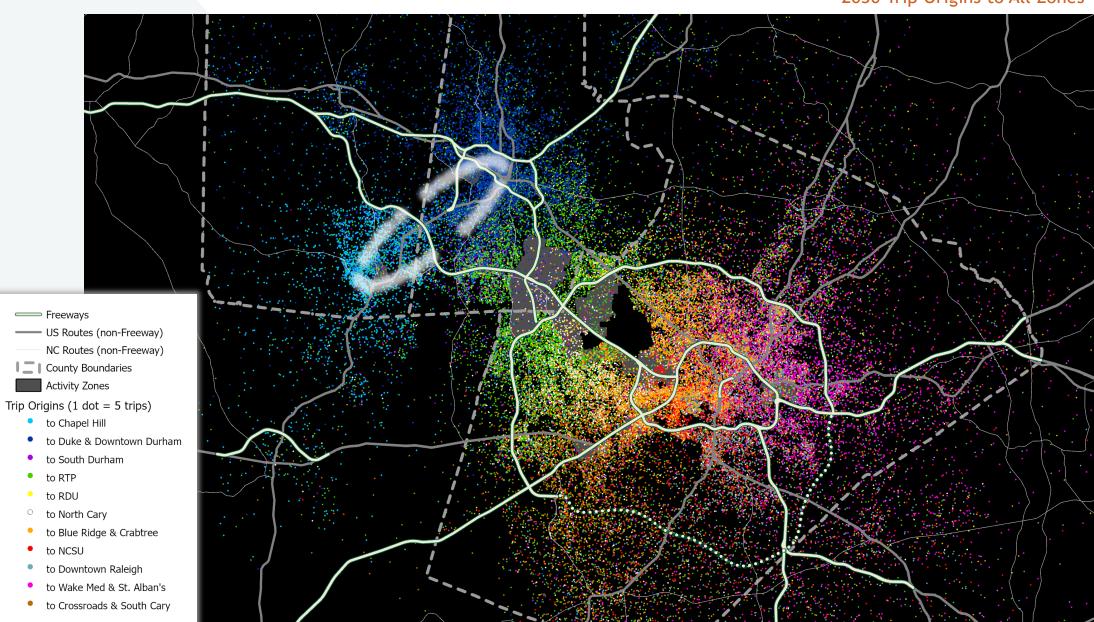
2030 Trip Origins to Crossroads/S Cary



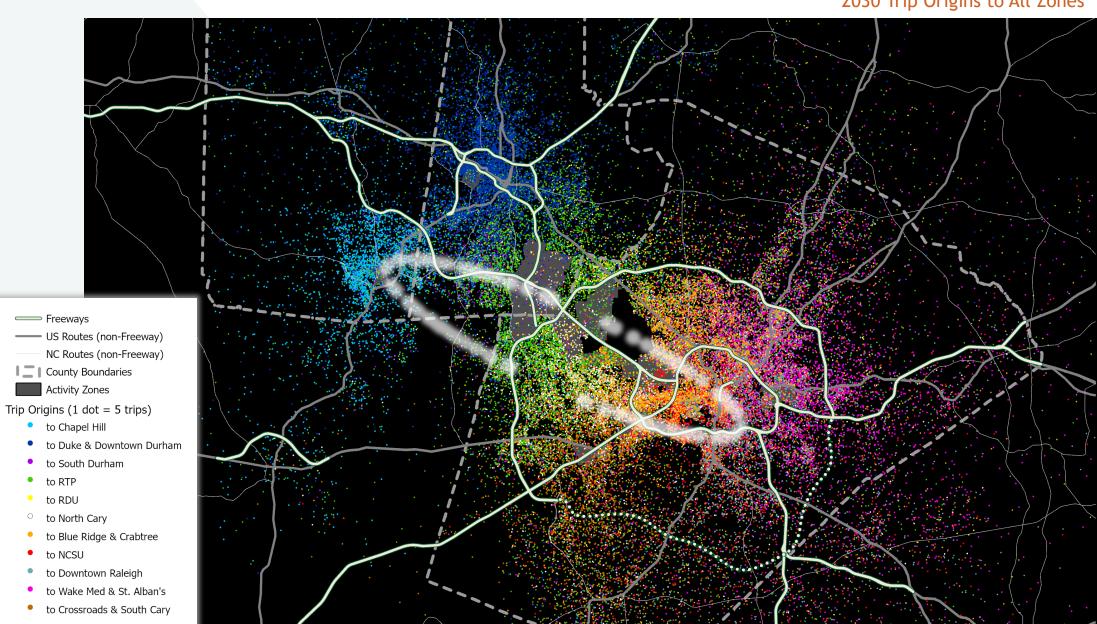




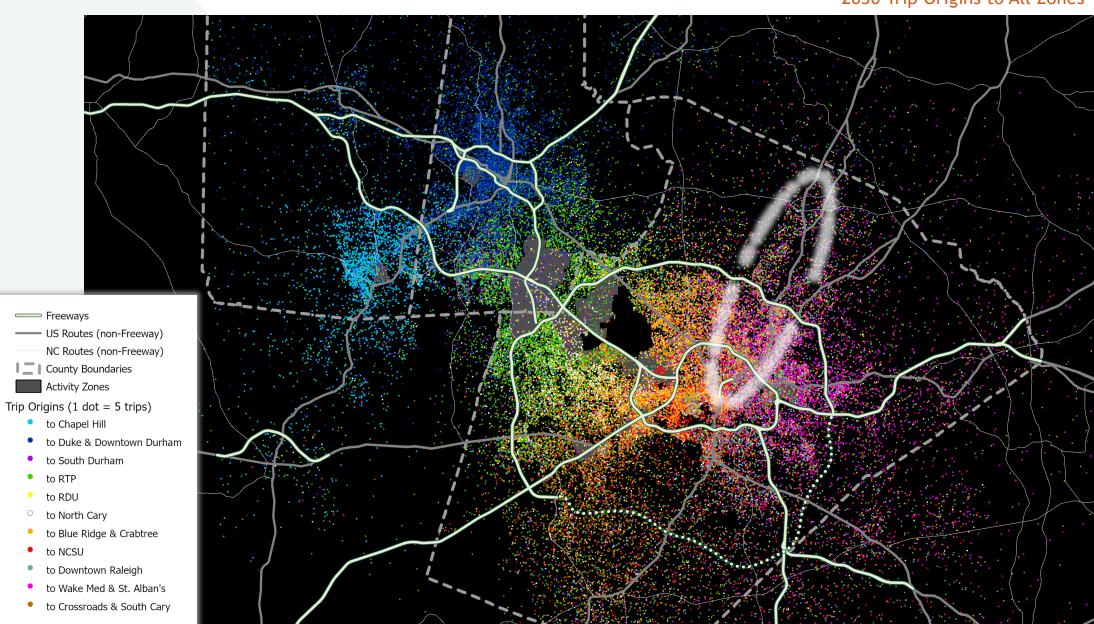




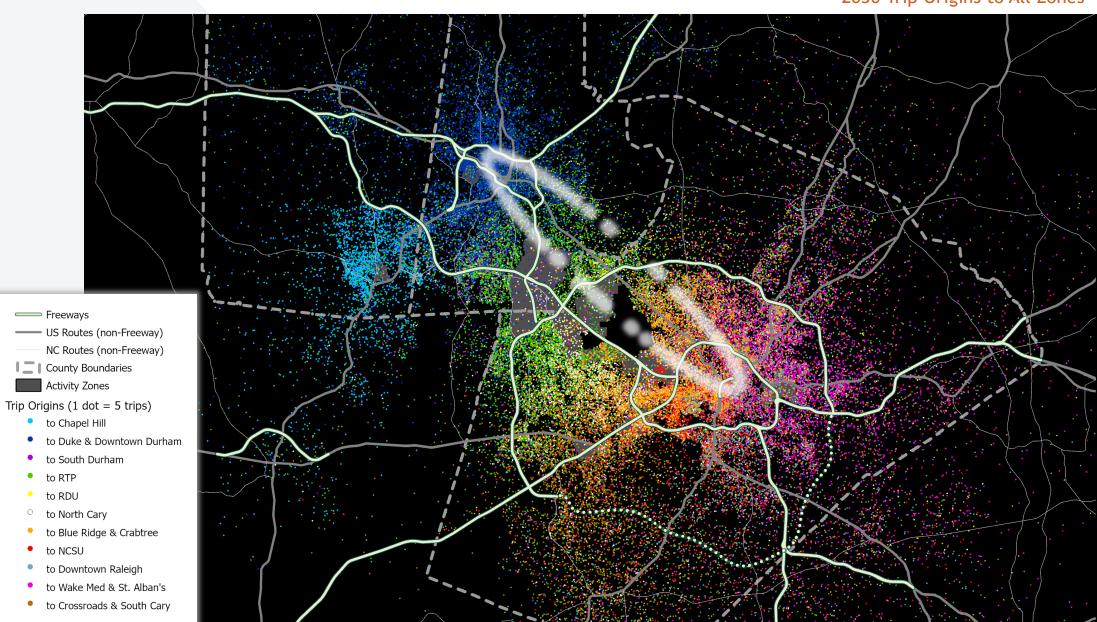




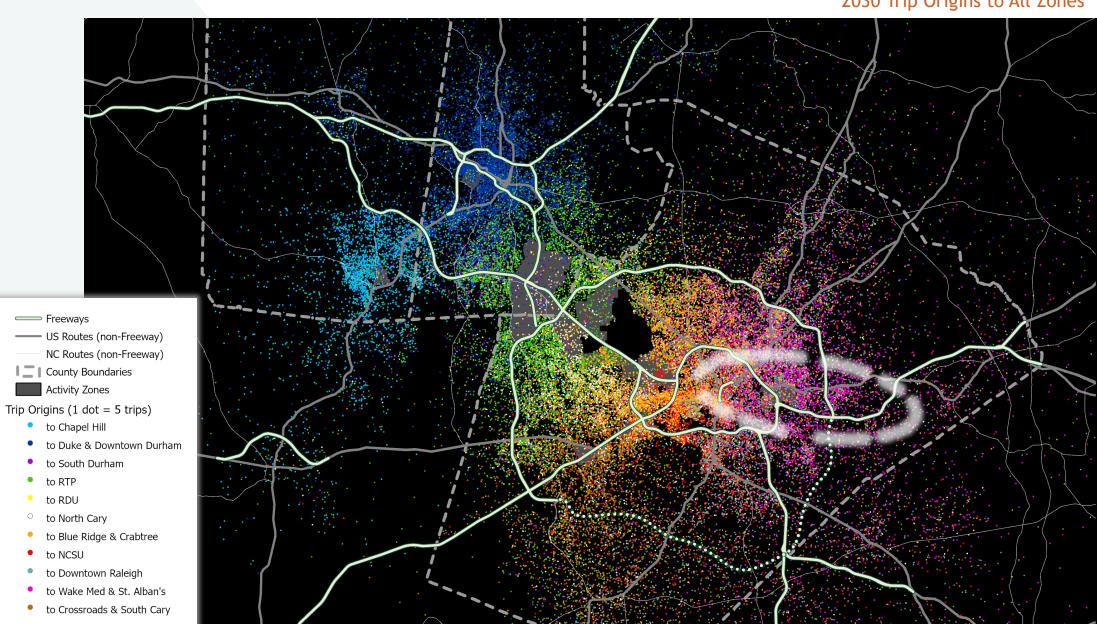




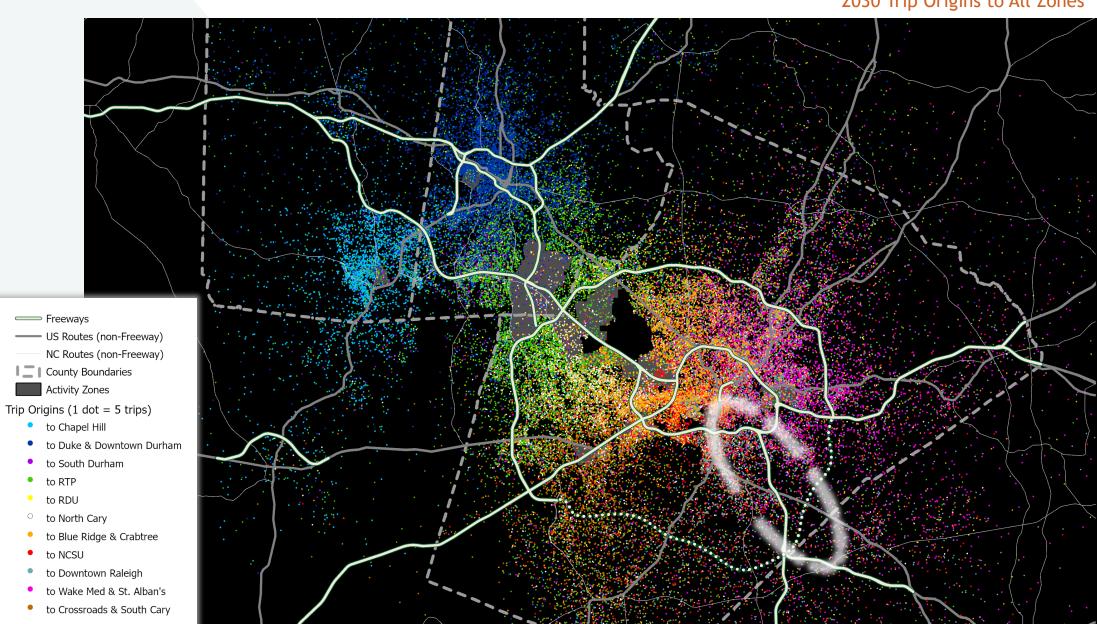




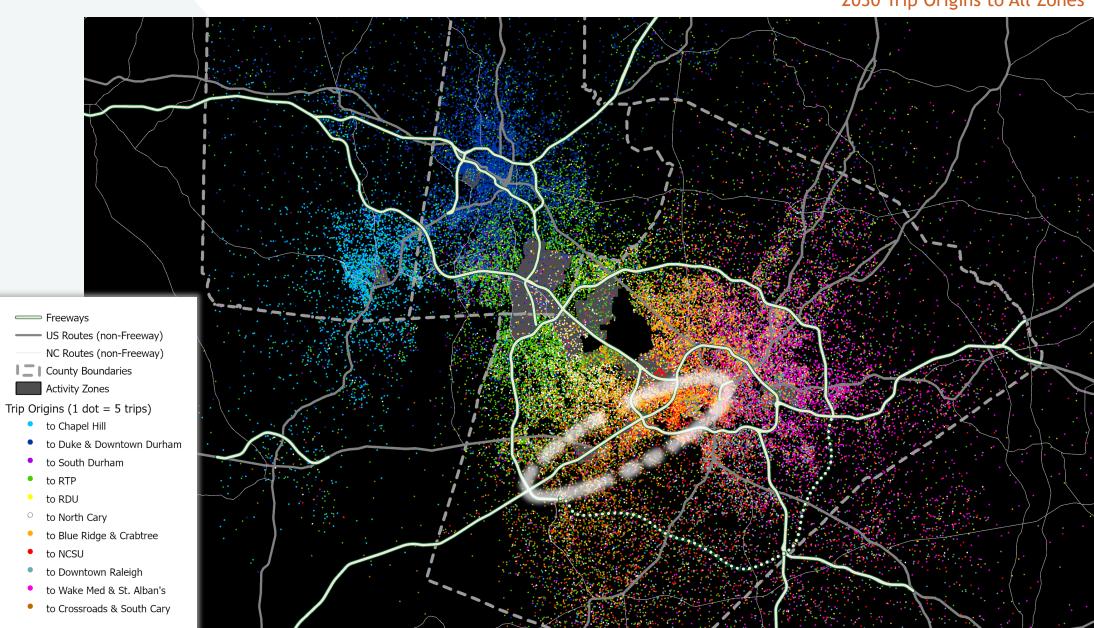




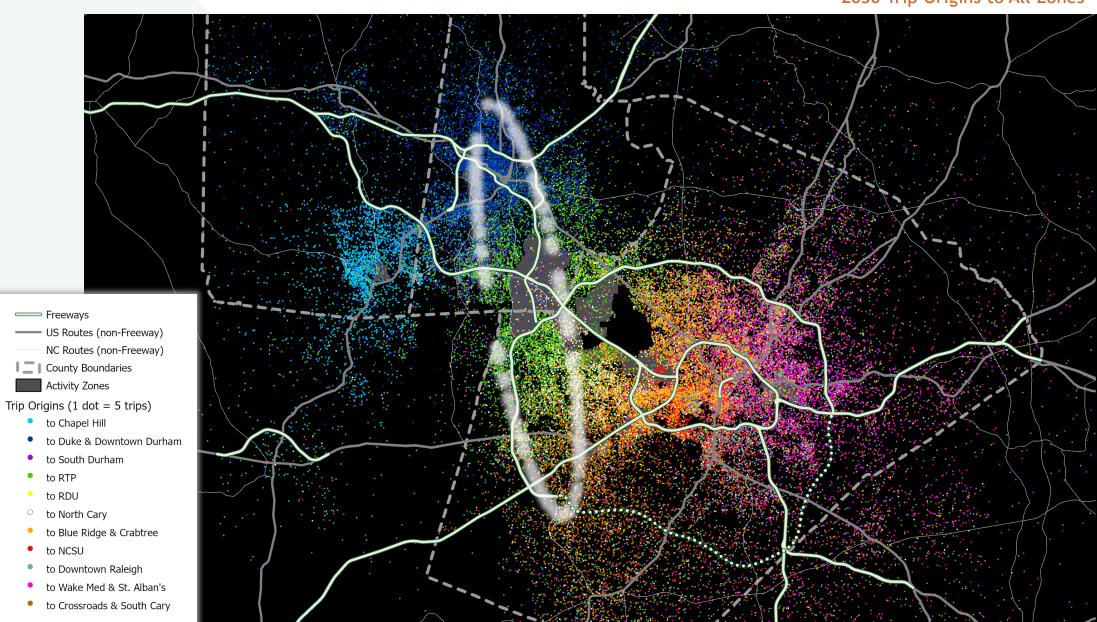














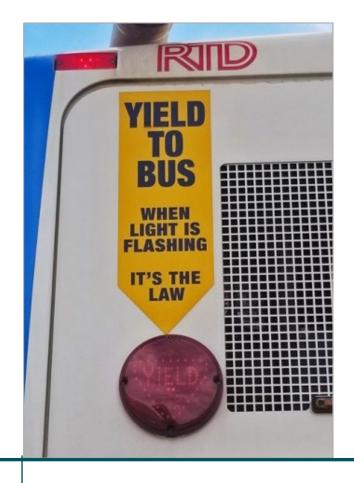
Potential transit advantages



Low-cost transit advantages -- Freeways







On-ramp signal bypass

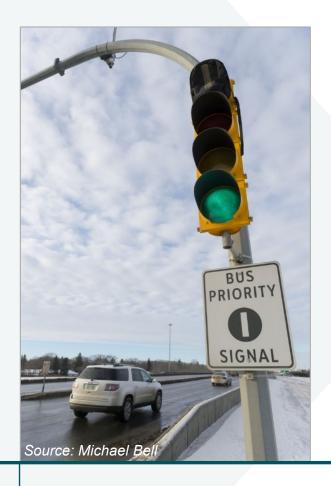
Bus On Shoulder System (BOSS)

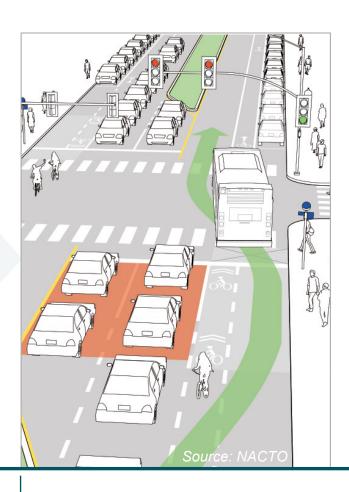
Yield-to-Bus



Freeway And Street-based Transit network

Low-cost transit advantages - Streets







Transit Signal Priority

Queue Jump Lanes

♦ RED Lanes



Stop Features



Level Boarding

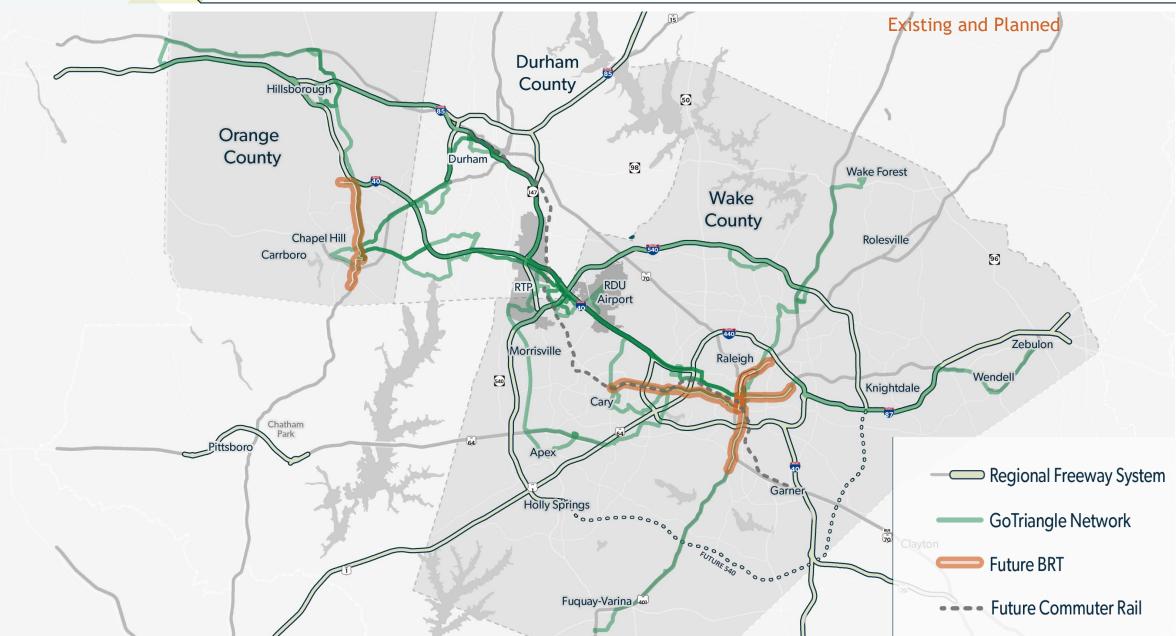


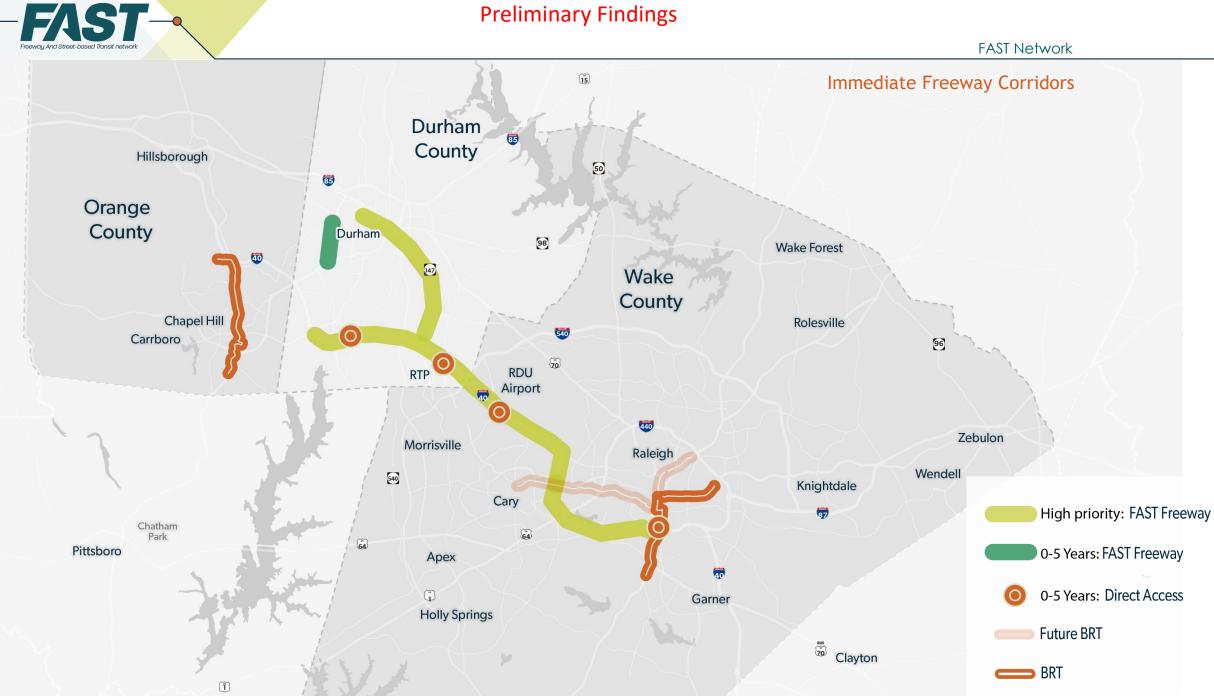


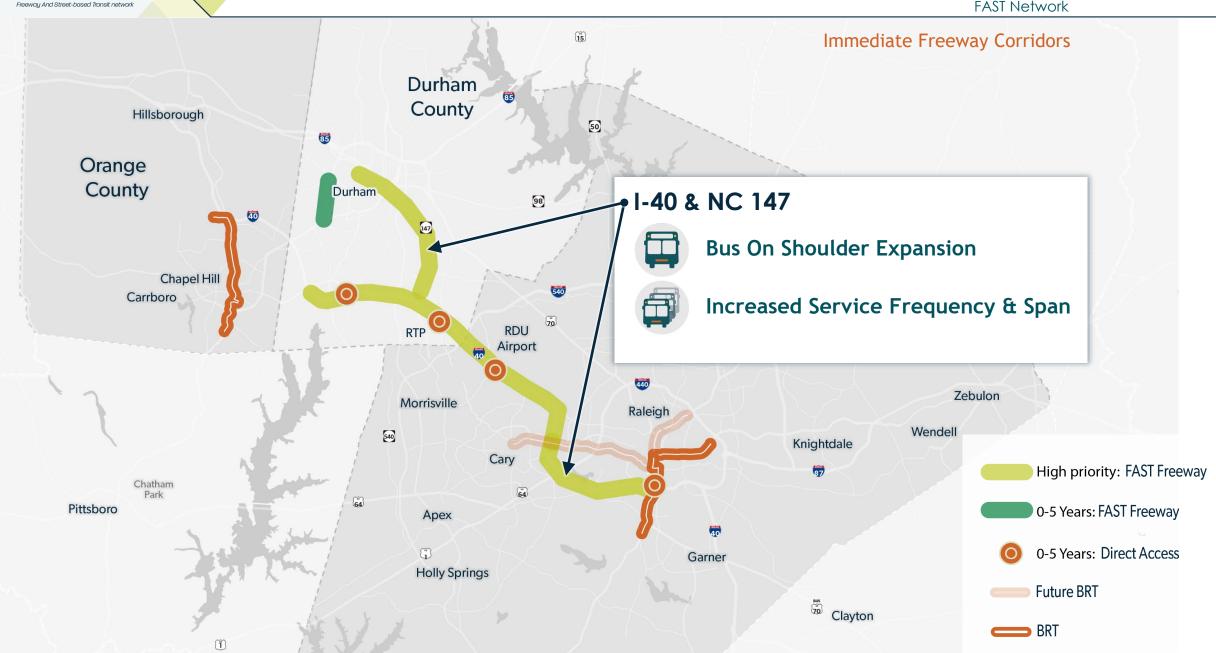
● Enhanced Bus Stop • "Floating" Bus Stop

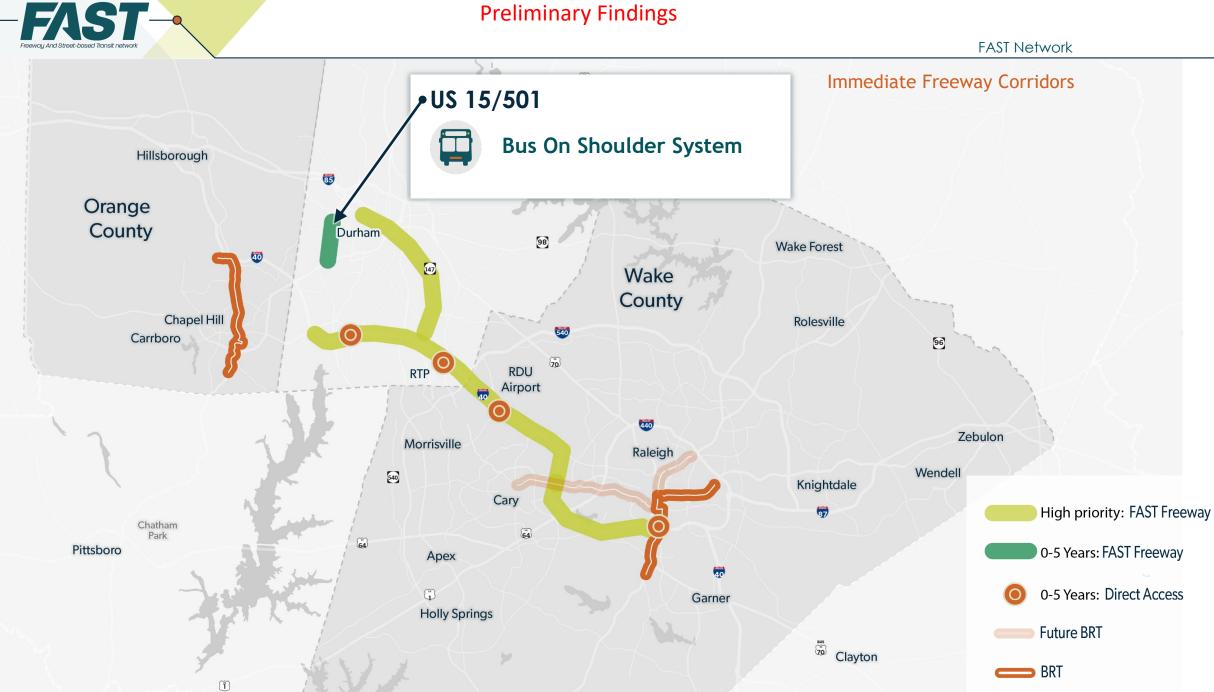




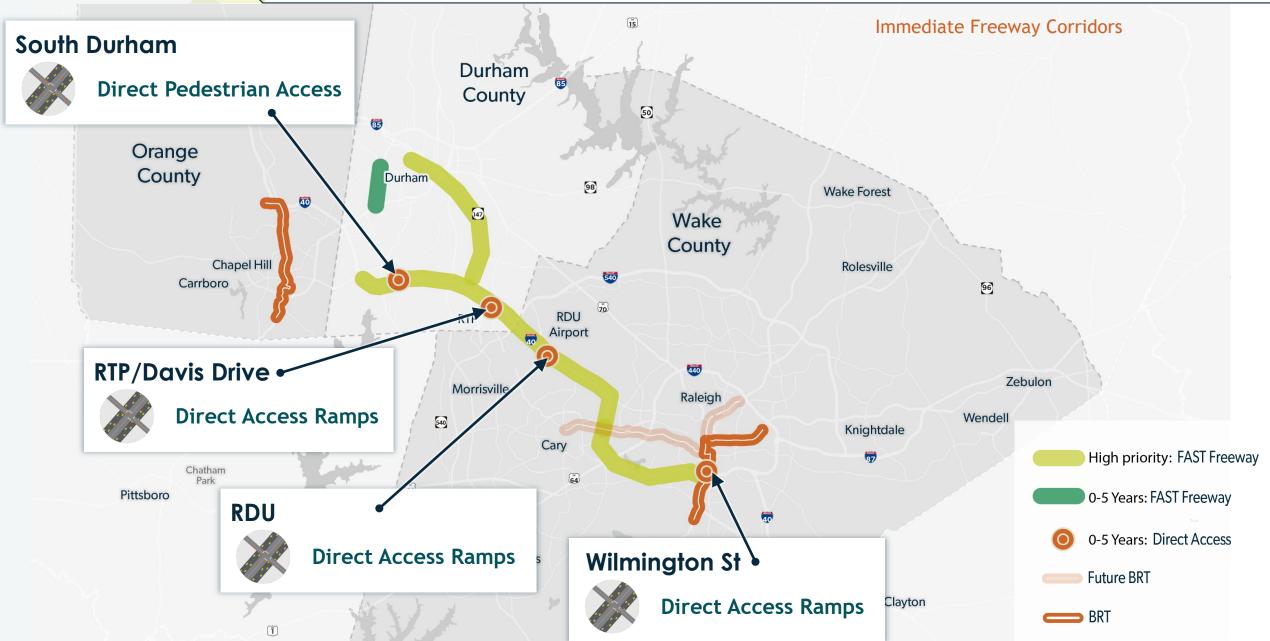


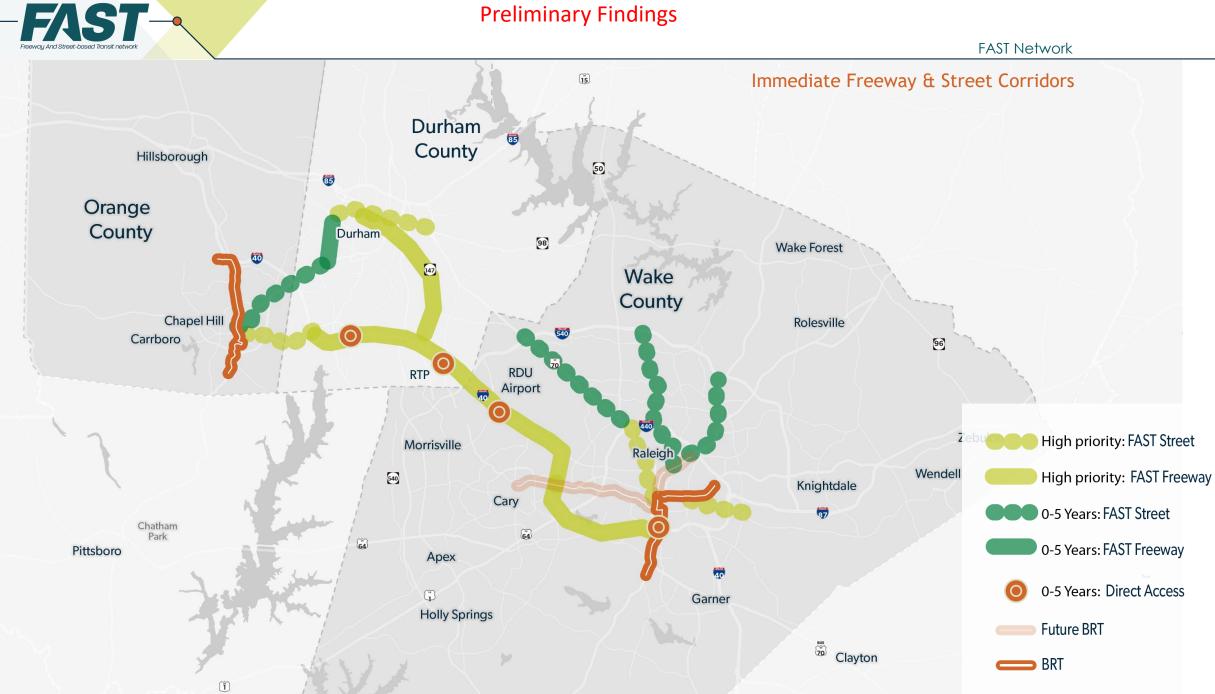


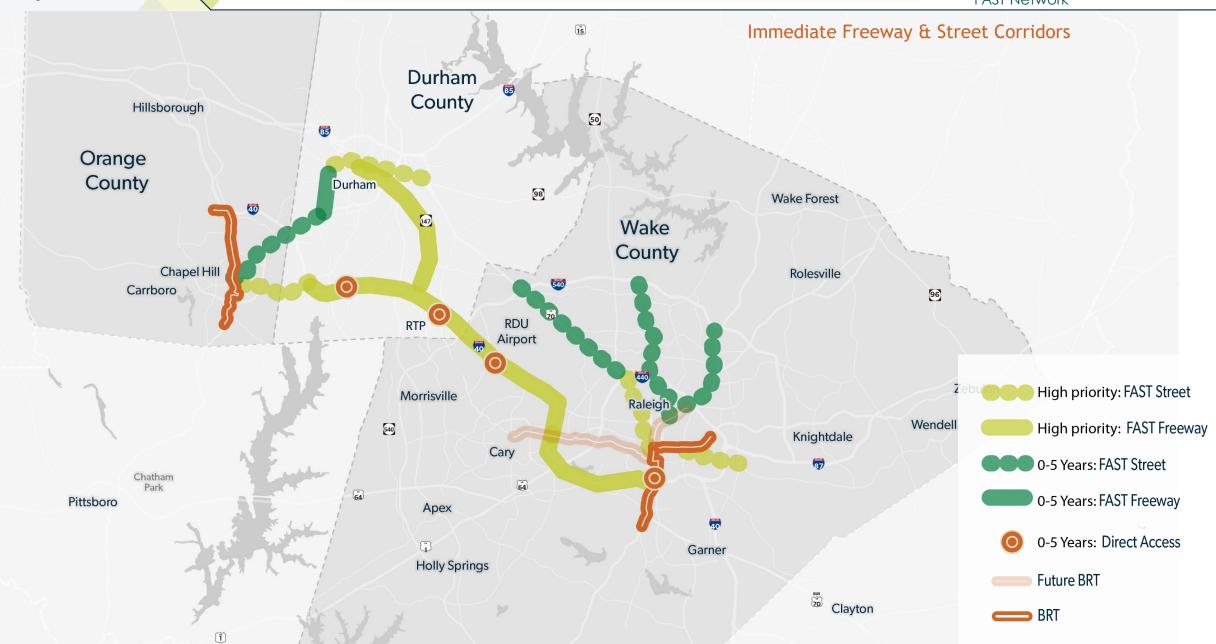


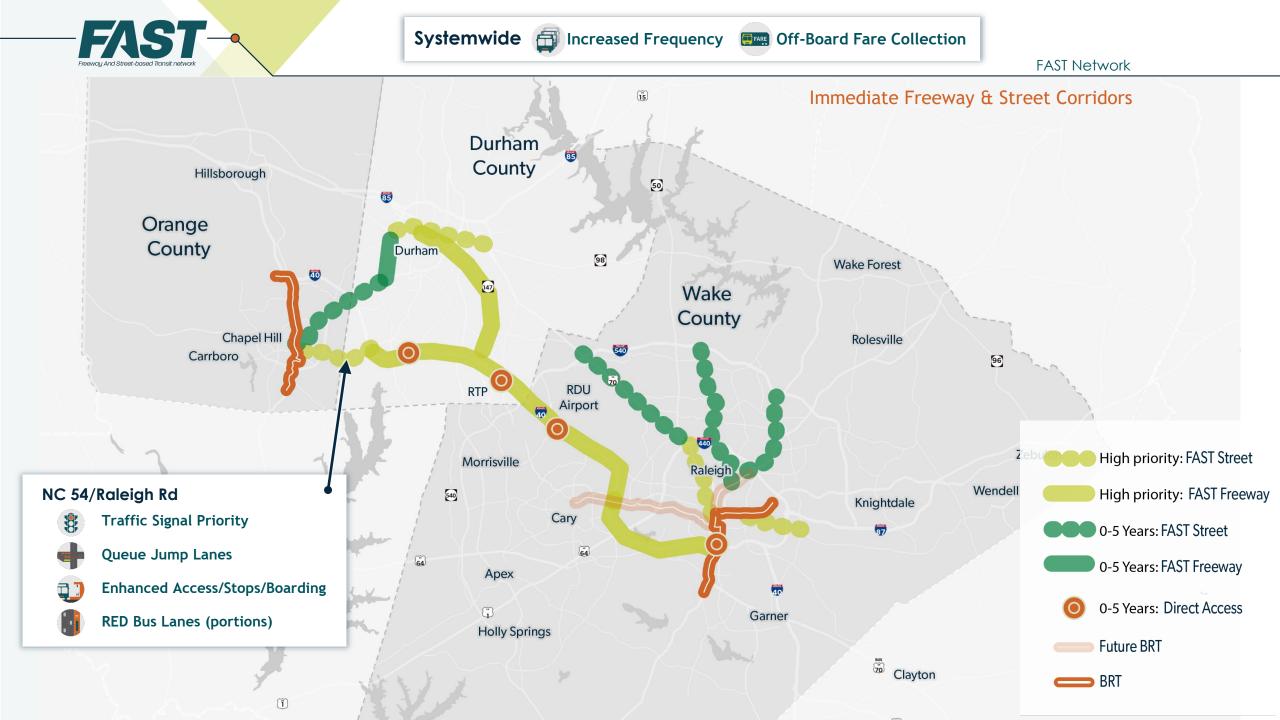


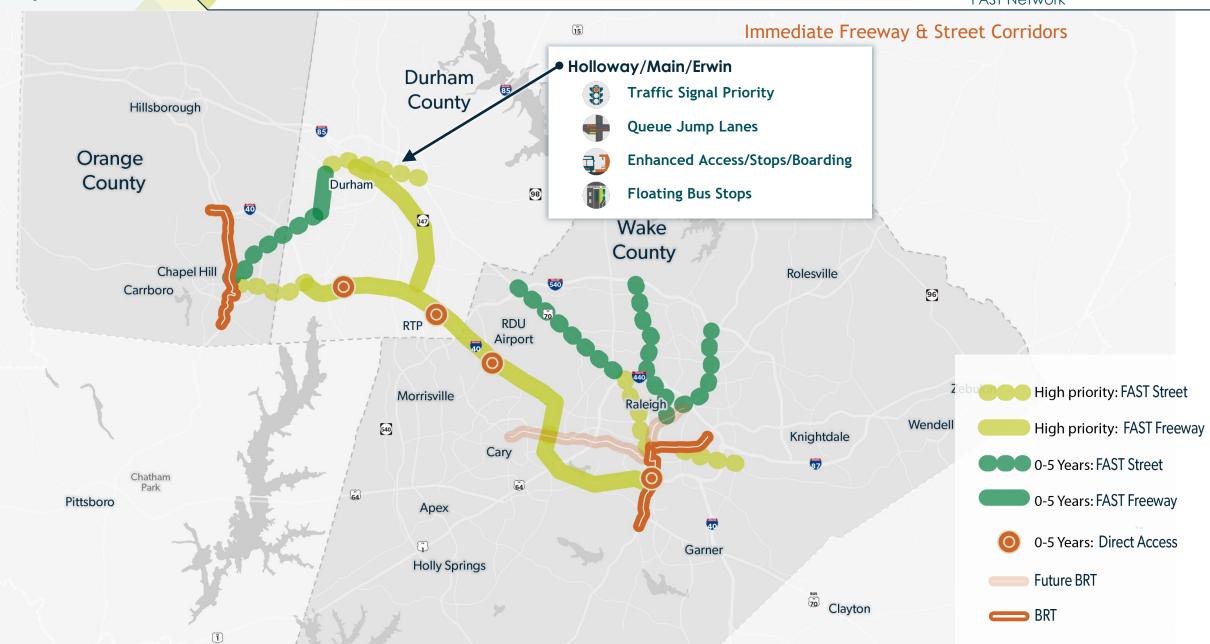


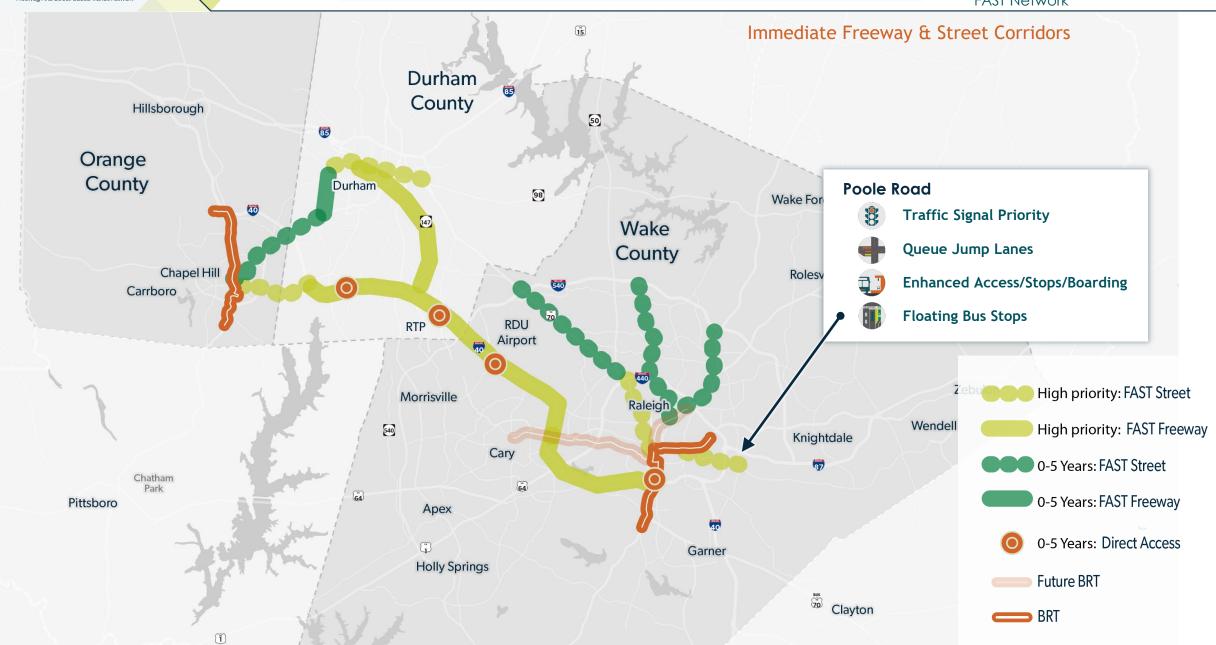


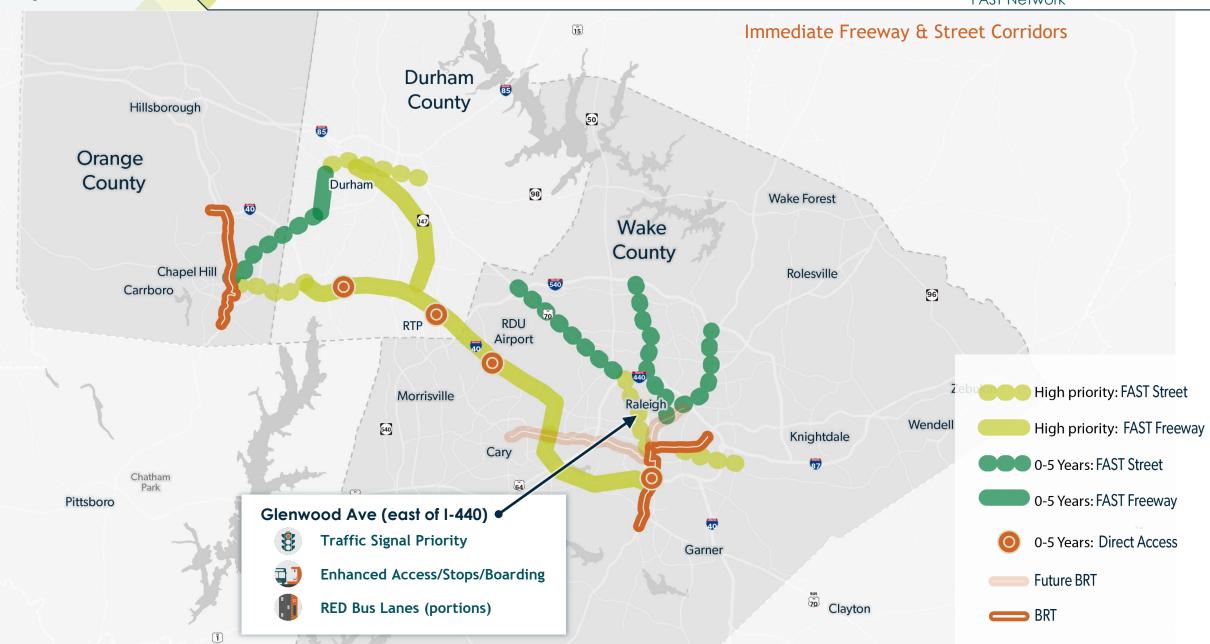


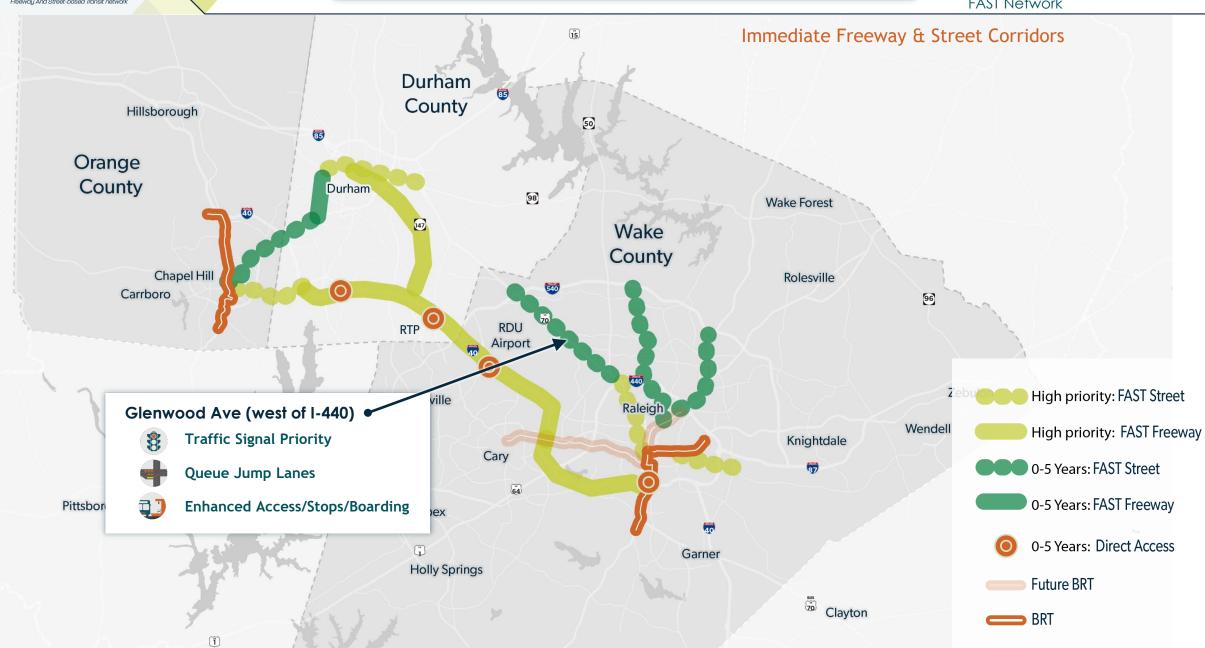


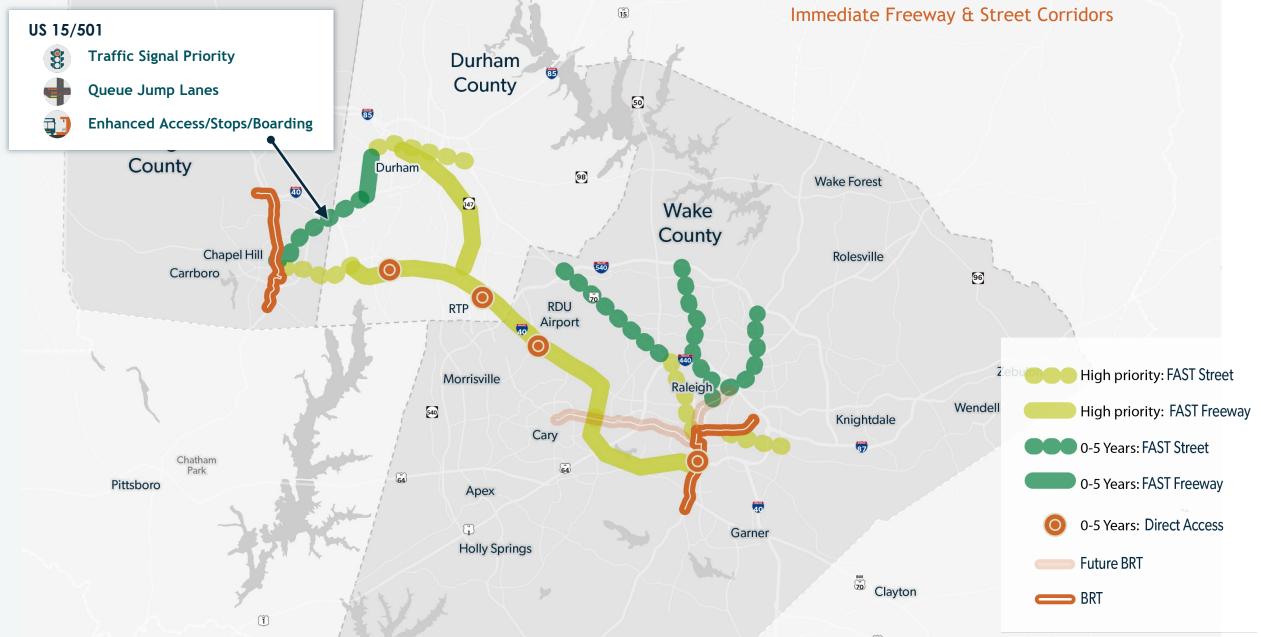


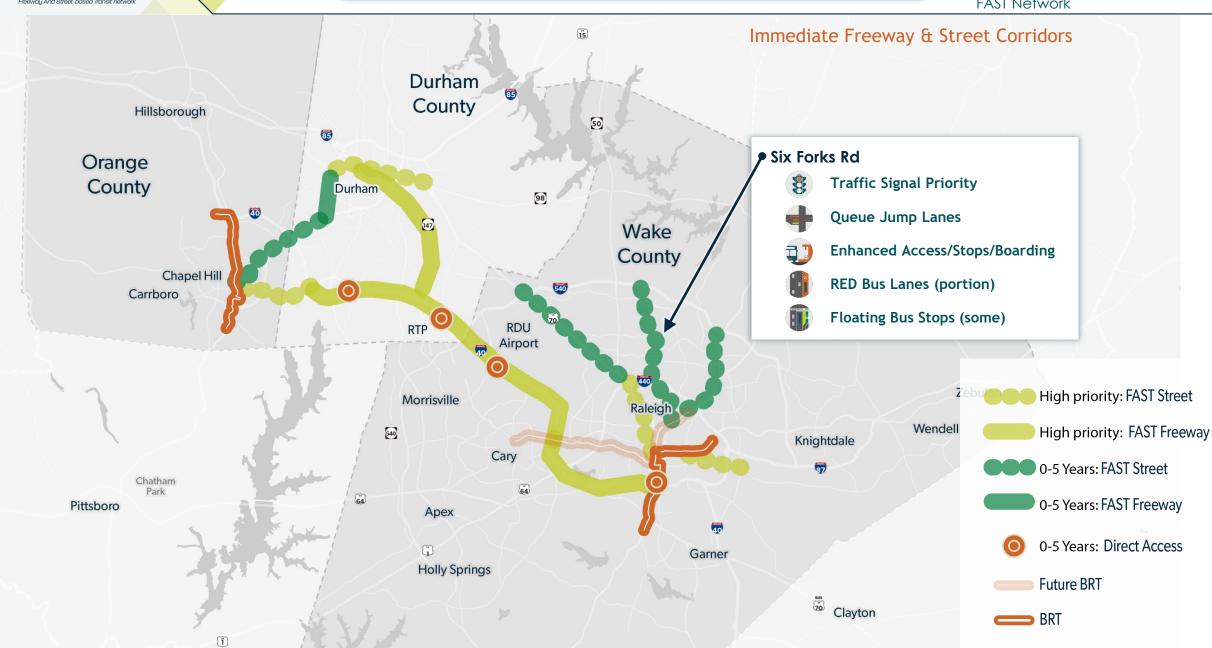


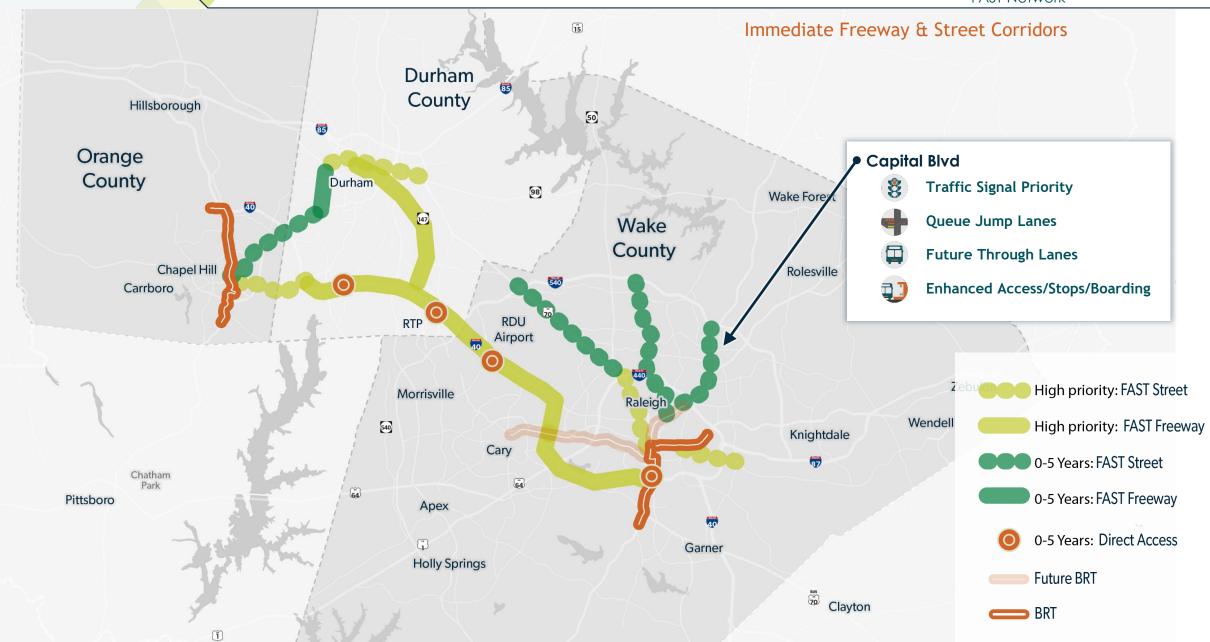


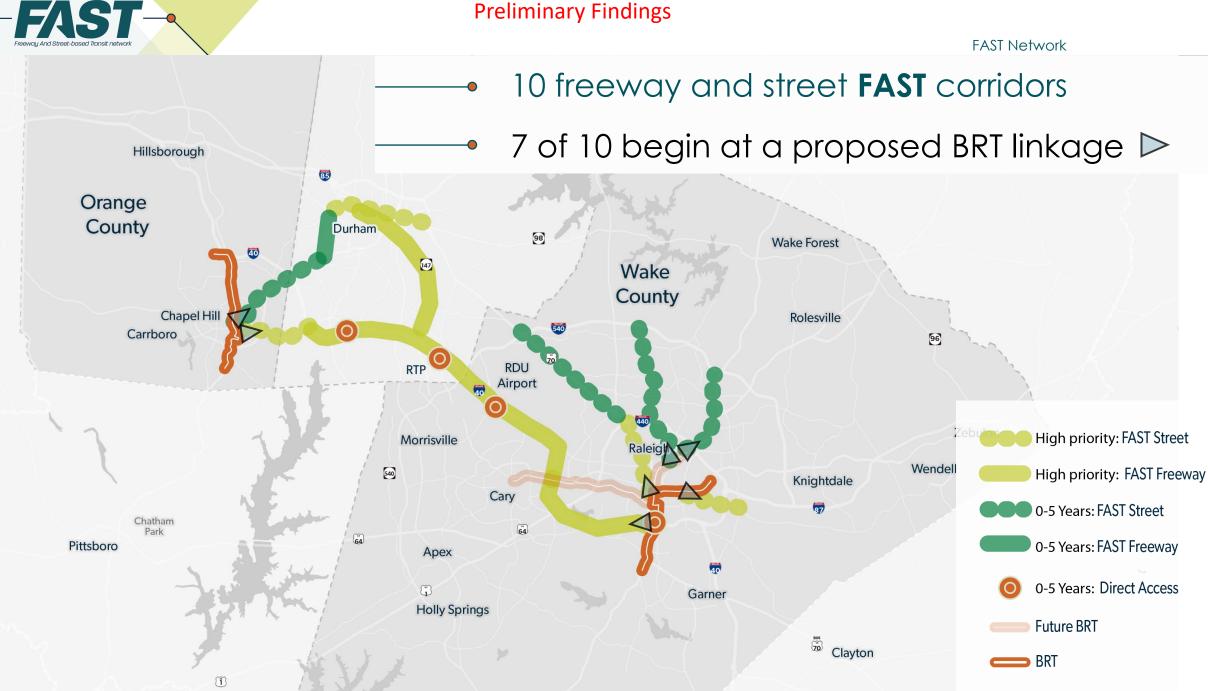




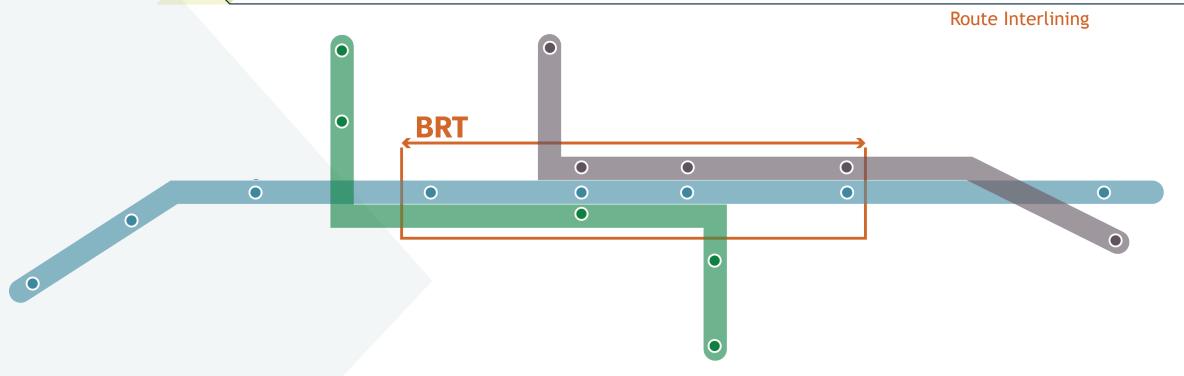








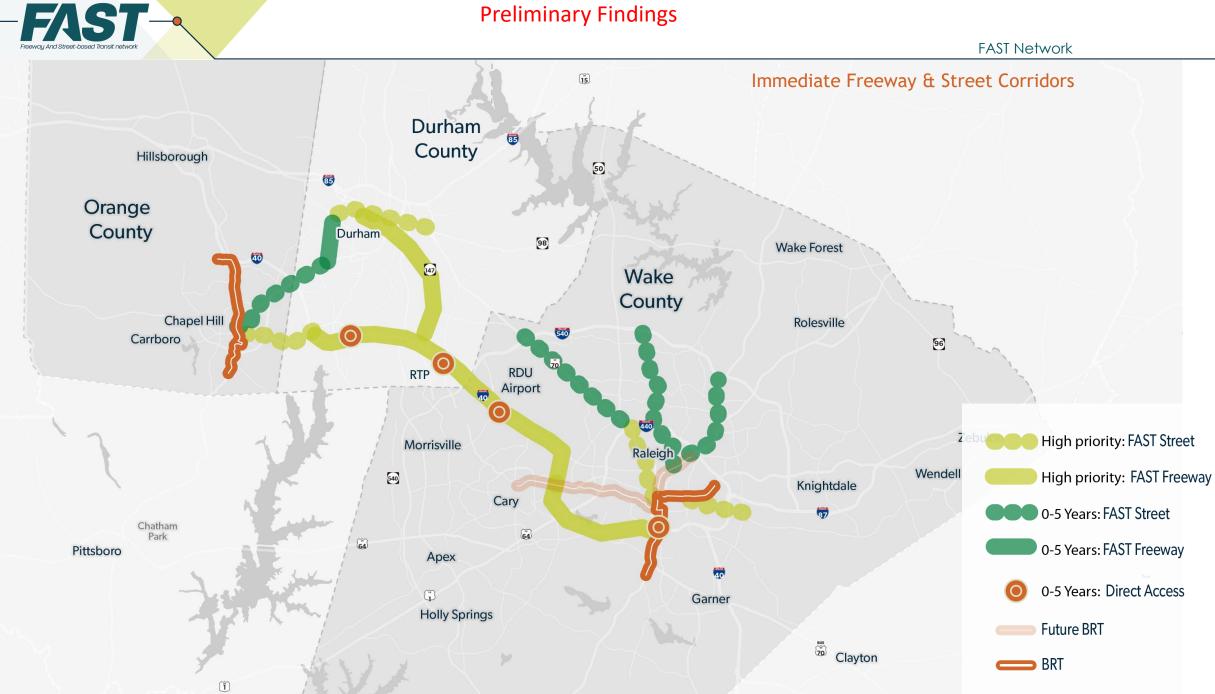


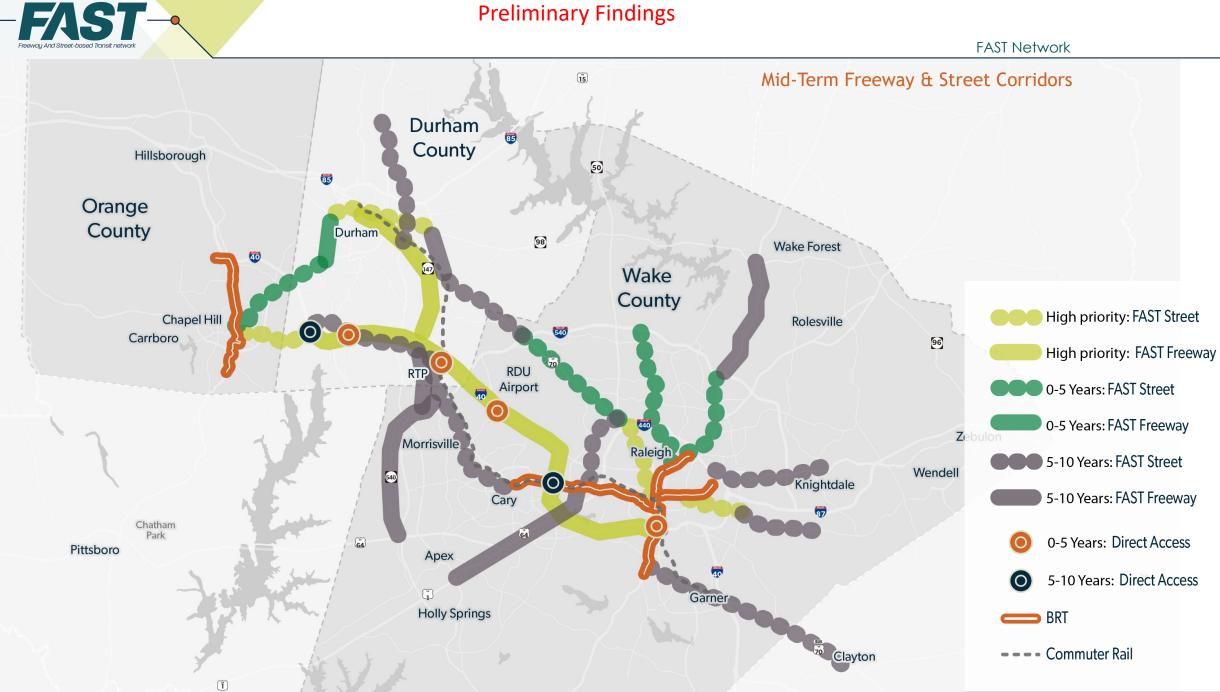


"Interlining" with 2+ routes along part of a BRT lane (e.g.)

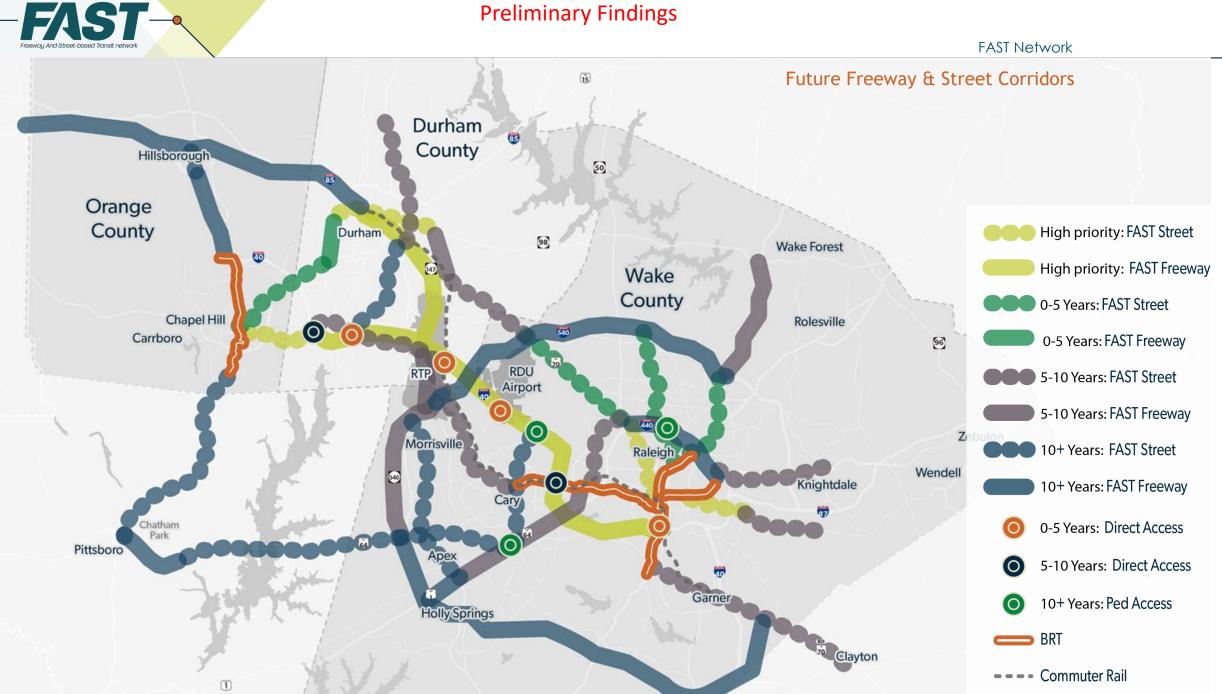
- Increased speed and reliability
- Higher frequency
- Multiple travel options













Enhanced FAST Infrastructure

Minneapolis: I-35W Lake Street Station







Feedback Opportunities

Public Comment Period

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





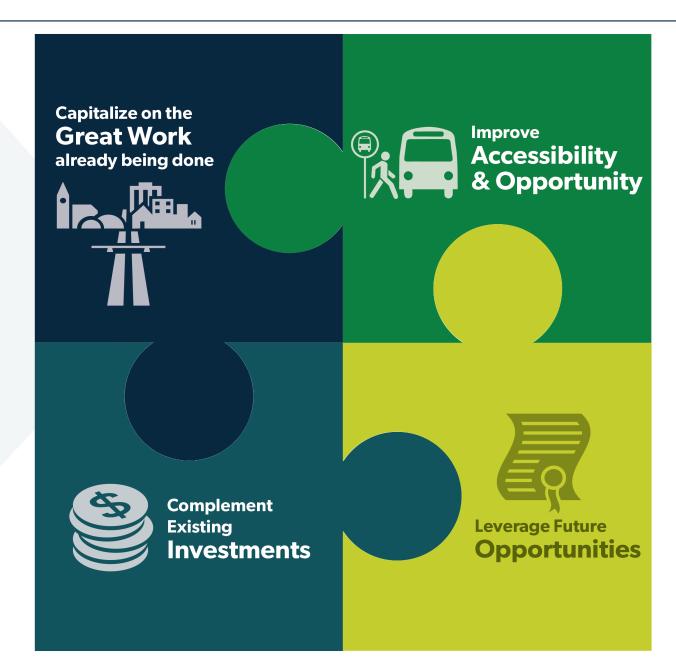
What's Coming

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



Purpose





Purpose



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