

# Freeway And Street-based Transit network

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RTA REGIONAL BUSINESS LEADERSHIP

GC

Triangle

## Preliminary Findings Update



FAST Network

#### Team



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FAST Network

Agenda

## What's Covered

- Overview/Purpose of FAST Study
- Transit Options
  - Corridors
  - Stops
- FAST Corridors and Improvements
  - 2022
  - 2025
- Example Future FAST Corridors
  - 2030
  - 2035
- Outreach Efforts





FAST Network

Overview

## Regional business community framework for enhanced transit

- Recognize size, dispersion, and upward trajectory of our region
- Expectation that cost-effective, useful travel options will be in place as the market expands
- Focus on rapid implementation of an effective, scalable, regional multimodal transportation system

Desire workable solutions now which will expand and improve as we continue to grow



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

Activity Zones



























































































## Potential transit advantages


Low-cost transit advantages -- Freeways





Low-cost transit advantages - Streets



Prioritize corridor features where they are anticipated to have the greatest impact.



#### Stop Features





#### Passenger Satisfaction





Hamilton's BLAST Network

### Preliminary Findings

FAST Network Characteristics

Branding

### Brampton ZUM (Zoom)





### Proposed 2025 FAST network































Systemwide 🗃 Increased Frequency 💷 Off-Board Fare Collection











FAST Network



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ncy 🔲 🖼 Off-Board Fare Collection























"Interlining" with 2+ routes along part of a BRT lane or other high-capacity route

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



Enhanced FAST Infrastructure Examples



FAST Network

**Enhanced Advantages** 

## Enhanced transit advantages - freeways and streets

- Peak period express shoulder lanes on freeways
- Dedicated or priority express lanes on freeways
- Direct connect transit priority ramps
- Freeway transit hub stations



Infrastructure

**Direct Access** 

## Minneapolis: I-35W Lake Street Station





Infrastructure

**Direct Access** 

## Seattle: Mountlake Terrace Transit Center







### Example future FAST corridors



















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
  - 2022
  - 2025




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**Preliminary Findings** 

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