



NORTH CAROLINA
Department of Transportation

Freeway, Arterial, Street & Tactical (FAST) Transit Priority Infrastructure Study

September 7th, 2023

Connecting people, products and places safely and efficiently with customer focus, accountability and environmental sensitivity to enhance the economy and vitality of North Carolina

IMD GOALS



Increase Access

Eliminate transportation barriers and ensure all North Carolinians have equal access to opportunities and services.



Enhance Quality of Life

Offer a convenient network of multimodal choices to enhance the quality of life for North Carolinians.



Ensure Safety

Ensure all road users can travel safely by building complete streets and proactively correcting areas susceptible to crashes involving vulnerable road users.



MISSION

Provide leadership for safe, affordable, and innovative multimodal transportation throughout North Carolina



IMD Planning Initiatives



Visioning Workshops

7 workshops across the state and technical assistance

Prepares agencies to leverage IIJA funding and provides resources for visioning, prioritizing goals, and ongoing support for implementation



Multimodal Planning Grants

266 grants + \$8.7M

Develops comprehensive bicycle plans and pedestrian plans with an added transit component



Microtransit

Feasibility Studies / Research / Grants

Assesses the feasibility of introducing microtransit to complement or replace fixed-route and demand response services throughout the state



MaaS Feasibility Study

Mobility as a Service (MaaS)

Seamlessly plan-book-pay for travel across all modes

Assesses the availability and feasibility of MaaS services for a statewide platform



Regional Transit Plans

Upper Coastal Plain + High Country + Land of Sky RPO

Promotes coordinated regional planning across agency boundaries, consolidating requirements for state and federal funding programs



Freeway And Street-based Transit

Makes recommendations and provides techniques for improving North Carolina roads for buses so people can rely on public transportation to get to work, education, shopping and recreational activities.

Triangle Region Freeway, Arterial, Street & Tactical (FAST) Transit Priority Infrastructure Study (2021)

- Original study completed in 2021
- Partnership with local governments, the regional business community, regional planning bodies, and regional transit providers
- FAST (1.0) Objectives:
 - Develop and illustrate an example regional FAST network
 - Create a guidance framework for quickly implementing transit advantages for communities
 - Help institutionalize transit priority measures in the statewide planning and development process.



FAST 2.0 Overview

- Formulate a regional vision, goals and brand for transit and mobility
- Accelerate the implementation of Freeway, Arterial, Street, and Tactical (FAST) transit priority infrastructure – Make our freeways and regional boulevards “transit ready.”
- Evaluate potential BRT corridors & connections to RDU Airport
- Advance SMART (Systematic Management of Adaptable Roadways through Technology) freeway corridors

Freeway, Arterial, Street, and Tactical (FAST) transit is a scalable approach for quickly integrating “transit advantage” infrastructure along the roadway system to support enhanced transit service. The “FAST” approach prioritizes transit efficiency and reliability while improving mobility for all users.

FAST 2.0 Potential Focus Strategies



Bus station/
stop design &
layout

Direct BRT
linkages to RDU

Transit signal
prioritization
standardization

Express lanes,
expanded BOSS,
dynamic shoulders

Bicycle &
pedestrian access
improvements

Mobility-as-a-
service & single
digital ticketing
solutions

Mobility
hubs,
complete
streets, &
micro-
mobility
solutions

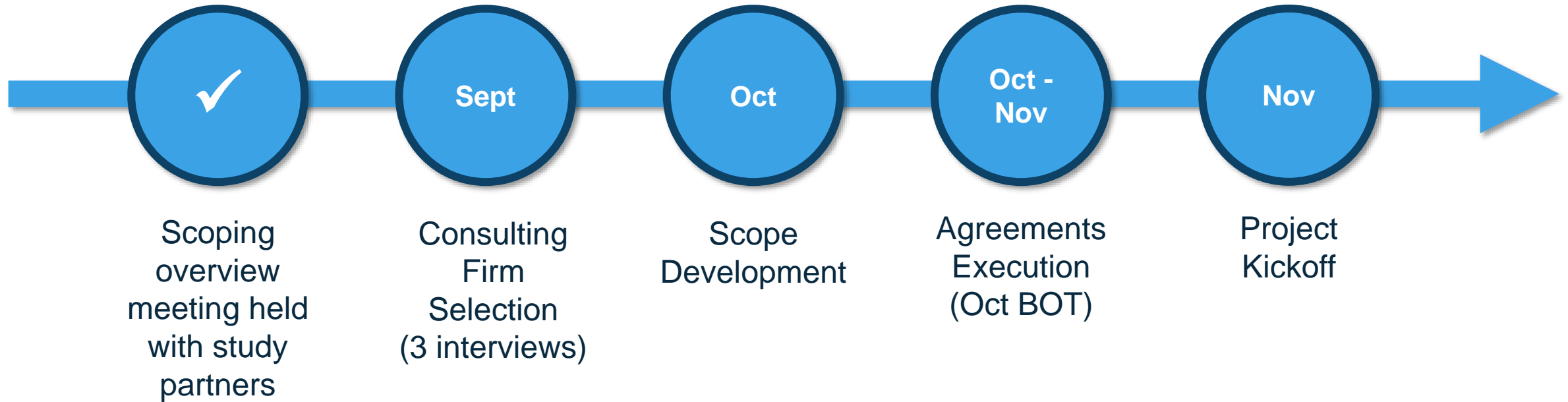


FAST 2.0 Deliverables

- Vision and brand for multimodal transportation in the Triangle Region
- Actionable materials for planners and other transit and transportation professionals
- Accessible marketing materials for the public to gain understanding and support for FAST transit network, particularly along SMART freeway and arterial corridors
- Improvements that will benefit all users, not just transit



Next Steps



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