WAKE BUS RAPID TRANSIT (BRT): SOUTHERN CORRIDOR
Wake Transit Plan

Four Big Moves

The Wake County Transit Plan Includes Four “BIG MOVES”

1. CONNECT THE REGION
   More express bus service to Chapel Hill and RDU, and new rail service to Durham

2. CONNECT ALL WAKE COUNTY COMMUNITIES
   New or improved transit service to all 12 Wake County municipalities

3. PROVIDE FREQUENT RELIABLE URBAN TRANSIT
   More 15-minute service in urban areas, with longer hours and weekend service

4. PROVIDE GREATER ACCESS TO TRANSIT
   Increased bus service across the county for rural residents
Wake Transit Plan

Key Projects Through 2027

**Bus Service Plan**
- Expand existing frequent (15 min) bus service from 17 to 83 miles.
- Expand 30-60 min service to connect all communities within the county.

**Commuter Rail**
- Develop 37-mile system with service from Garner to Downtown Raleigh, NC State University, Cary, Morrisville and the Research Triangle Park continuing to Durham.

**Bus Rapid Transit**
- Implement four (4) BRT corridors (approximately 20 miles)
Wake BRT Program

BRT Infrastructure and Service

**Dedicated Runningway**
Bus-only lanes separate transit from traffic and may be painted a unique color to increase the lane’s visibility (at least 50% in dedicated runningway).

**Enhanced Stations**
BRT stations include raised platforms, ticket vending machines, real-time arrival information, larger shelters, quality lighting, and other passenger amenities.

**Specialized Vehicles**
Custom buses provide more capacity, more doors (on either side of the bus) and lower floors for easier loading and unloading.

**Branding**
Unique branding and design make buses and stations more visible, raising awareness by distinguishing BRT from other transit services.
Wake BRT Program

BRT Infrastructure and Service

Transit Signal Priority
Intersection improvements including transit signal priority (TSP) allow buses to bypass congestion. TSP does so by giving buses earlier or longer green lights.

Frequency
BRT buses would operate at least every 10 minutes in the peak hours, 15 minutes for off-peak hours and 20 minutes on weekends.

Longer Span of Service
Weekday span of service from 4:00am to 12:00am (20 hours) and weekend span of service from 5:30am to 12:00am (18.5 hours).

Enhanced Fare Collection System
Off-board fare collection using ticket vending machines, card readers and other tools at stations allow passengers to load without waiting in line to pay their fares.
Wake BRT Program

Project Status

Wake BRT: New Bern Avenue
STATUS: Design ~30%
MAJOR MILESTONES:
• 30% Design by Spring 2020
• Station Site Design Plans in Fall 2020
• Final Design by Summer 2021

Wake BRT: Northern Corridor
STATUS: Pre-Planning Complete
MAJOR MILESTONES:
• Route Selection in Fall 2020

Wake BRT: Western Corridor
STATUS: Route Selection
MAJOR MILESTONES:
• Project Development in Summer 2020

Wake BRT: Southern Corridor
STATUS: Route Selection
MAJOR MILESTONES:
• Project Development in Summer 2020
Wake BRT Program

WAKE BRT: SOUTHERN CORRIDOR
Wake BRT: Southern Corridor

Route Selection (LPA) - Schedule

Initiated Locally Preferred Alternative (LPA) Selection Study

WINTER 2020

Select LPA

SPRING 2020

Begin Design*

SUMMER 2020

2nd Round of Public Meetings

FALL 2020

Previous Planning
Southern Gateway Study
Garner Forward
WTP - Major Investment Study

Public Meeting Kickoff
Victory Church - Feb 24th
Garner Senior Center – Mar 3rd

Federal Project Development Initiation Letter

* Design, Construction and BRT Operations start date is dependent on LPA selected
Kickoff Meeting - Purpose

- Introduce the project
  - Present schedule and process for BRT implementation
- Present findings from previous planning studies
  - Boards from Southern Gateway Corridor Study
  - Board from Garner Forward Plan
- Present BRT route alternatives
  - Including alternatives considerations
- Gather feedback
  - Public priorities related to BRT features/considerations
Wake BRT: Southern Corridor

Previous Planning Studies

Southern Gateway Corridor Study
City of Raleigh

Garner Forward Transportation Plan
Town of Garner

Garner Forward Comprehensive Plan
Town of Garner
**Wake BRT: Southern Corridor**

**Alignment Alternatives**

3 **alignment** options from Downtown Raleigh to Chapanoke Road north of Garner
- S. Wilmington Street
- S. Saunders Street
- S. McDowell Street

2 **alignment** options from Chapanoke Road north of Garner to Purser Drive in Garner
- Fayetteville Road (US 401)
- S Wilmington Street Extension (new construction)
Wake BRT: Southern Corridor

Alignment Alternatives

**ALTERNATIVE 1**
S. Saunders Street + Wilmington Street Extension

**ALTERNATIVE 2**
S. Saunders Street + Fayetteville Road

**ALTERNATIVE 3**
S. Saunders/McDowell Street + Wilmington Street Extension

**ALTERNATIVE 4**
S. Saunders/McDowell Street + Fayetteville Road

**ALTERNATIVE 5**
S. Wilmington Street + Wilmington Street Extension

**ALTERNATIVE 6**
S. Wilmington Street + Fayetteville Road
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Alternatives Considerations

Categories for evaluation considerations

• Traffic Volumes
• Bicycle/Pedestrian Connections
• Additional Right-of-Way (ROW) Requirements
• Potential BRT Ridership
• Construction Costs
• Implementation Timeline
• Economic Development Opportunities
• Public Support from Major Investment Study (MIS)
Wake BRT: Southern Corridor

Alternatives Considerations

Wilmington Street
- Lower traffic volumes, more bike/ped connections, lower construction cost, shorter implementation schedule, less intensive environmental documentation

Saunders Street/McDowell Street
- Higher traffic volumes, less bike/ped connections, lower construction cost, shorter implementation schedule, less intensive environmental documentation

Fayetteville Street (US 401)
- Higher traffic volumes, less bike/ped connections, lower construction cost, shorter implementation schedule, less intensive environmental documentation

Wilmington Street Extension* (new roadway construction)
- Less traffic volumes, more bike/ped connections, higher construction cost, longer implementation schedule, more intensive environmental documentation

* Wilmington Street Extension would require local funding for general purpose lanes
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Alt. Considerations

[Diagram showing various route options and considerations]
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Feedback Activity

Priorities for consideration categories related to BRT service

- Low priority
- Medium priority
- High priority
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Engagement Opportunities

Kickoff Meeting
• February 20th – Garner Senior Center 4 - 7pm - Canceled
• February 24th – Victory Church 4 - 7pm - Here Today
• March 3rd – Garner Senior Center 4 - 7pm

Online Survey
• Open till March 20, 2020
• https://publicinput.com/BRTProjects

Website
• Raleighnc.gov/BRT
THANK YOU