



# Wake BRT: New Bern Avenue

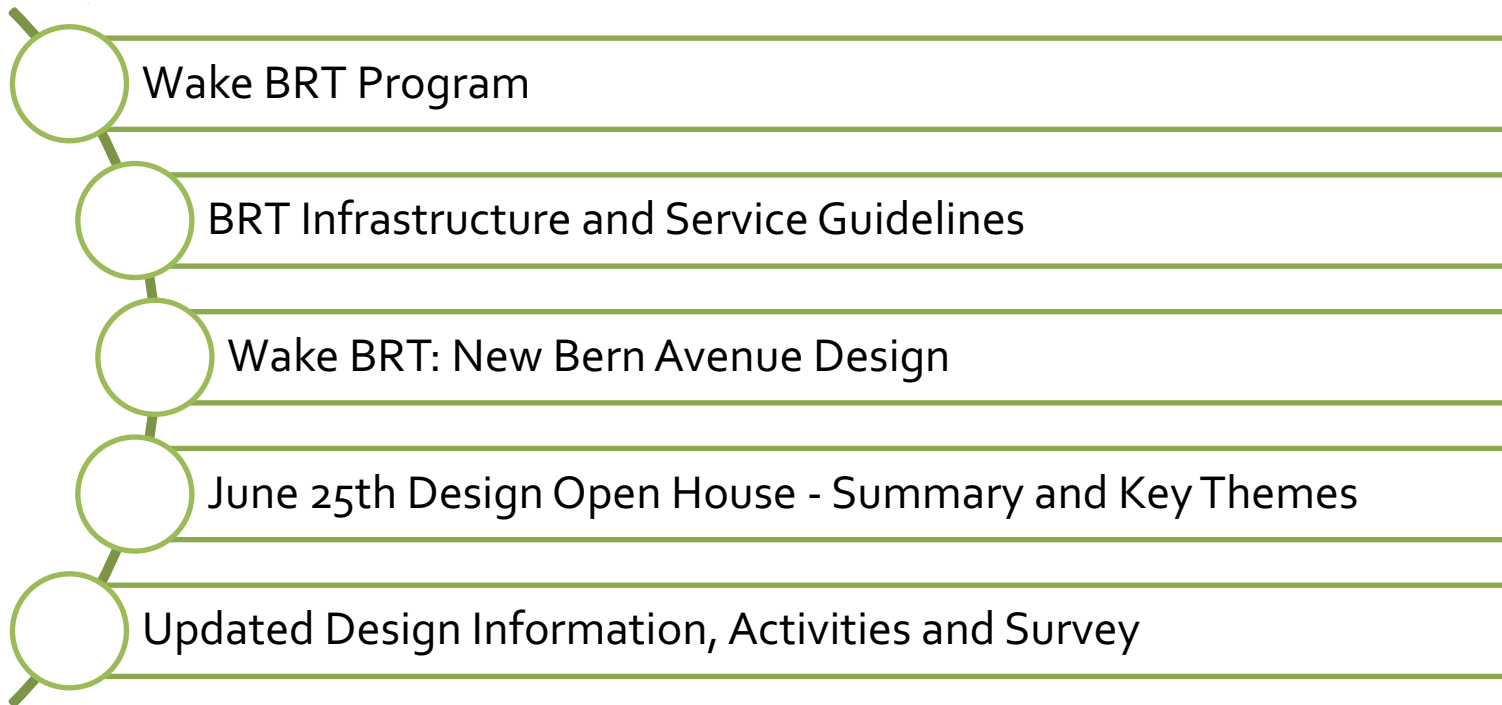
*Public Meeting - Design Open House*

*10.29.2019*



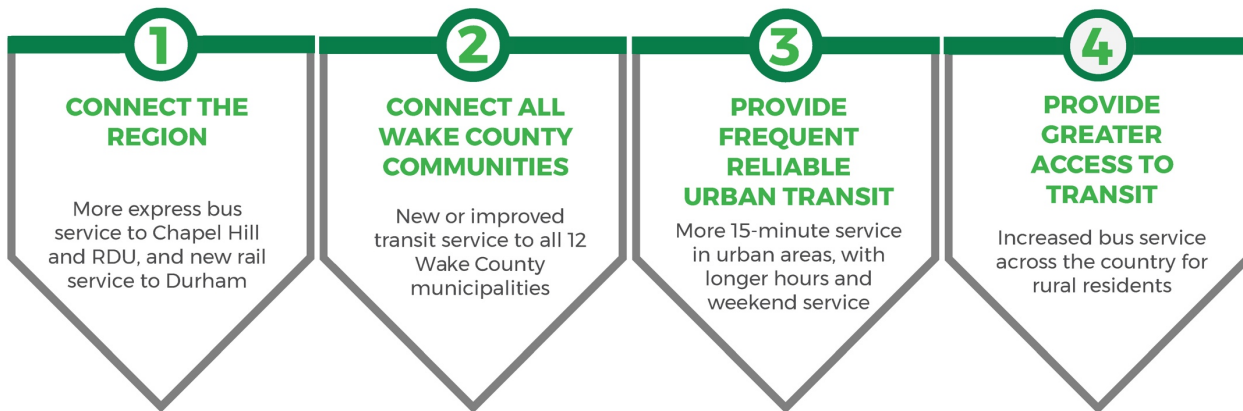


# Public Meeting Overview





## The Wake County Transit Plan Includes Four “BIG MOVES”



### Implement Bus Rapid Transit (BRT)



BRT creates dedicated bus lanes on local roads so bus operators can bypass traffic and keep their routes on schedule.

### Fund Local Service



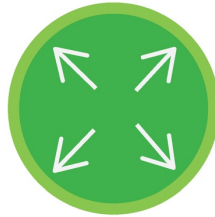
The Plan also expands transit in Wake County for municipalities that currently do not have service by allowing them to apply for matching funds to develop and operate local bus service.

### Increase Bus Service



Expand existing frequent bus service from 17 to 83 miles, with service at least every 15 minutes.

### Expand Rural On-Demand Service



Many Wake County residents depend on rural, on-demand transit services to get to necessary destinations.

### Implement Commuter Rail Transit (CRT)



CRT will use existing railroad tracks to provide comfortable passenger service that allows riders to relax or work on their way to key destinations.





# Wake BRT Program – BRT Corridors

## Eastern Corridor | New Bern Ave

- New Bern Avenue from Downtown Raleigh to New Hope Road

## Southern Corridor

- S. Saunders St./S. Wilmington St. corridor from Downtown Raleigh to Garner

## Western Corridor

- Western Boulevard corridor from Downtown Raleigh to Downtown Cary

## Northern Corridor

- Capital Blvd./West St. corridor from Downtown Raleigh to Crabtree Blvd.

### LEGEND

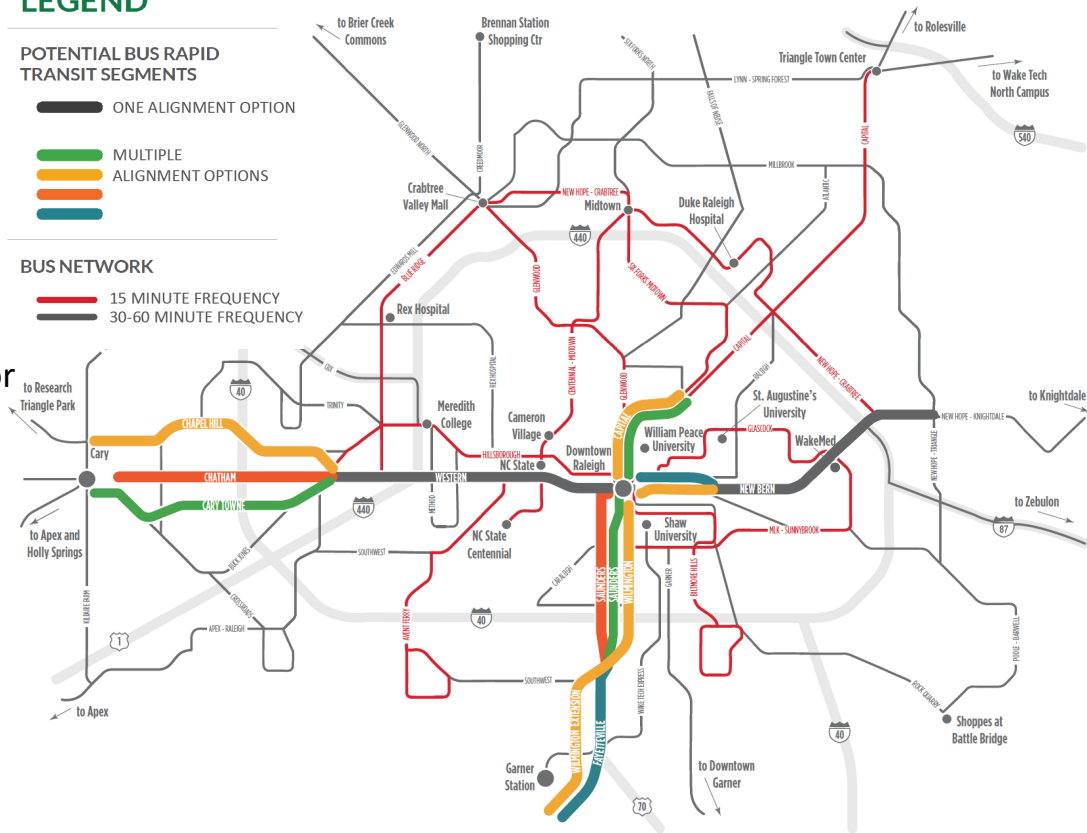
#### POTENTIAL BUS RAPID TRANSIT SEGMENTS

— ONE ALIGNMENT OPTION

— MULTIPLE ALIGNMENT OPTIONS

#### BUS NETWORK

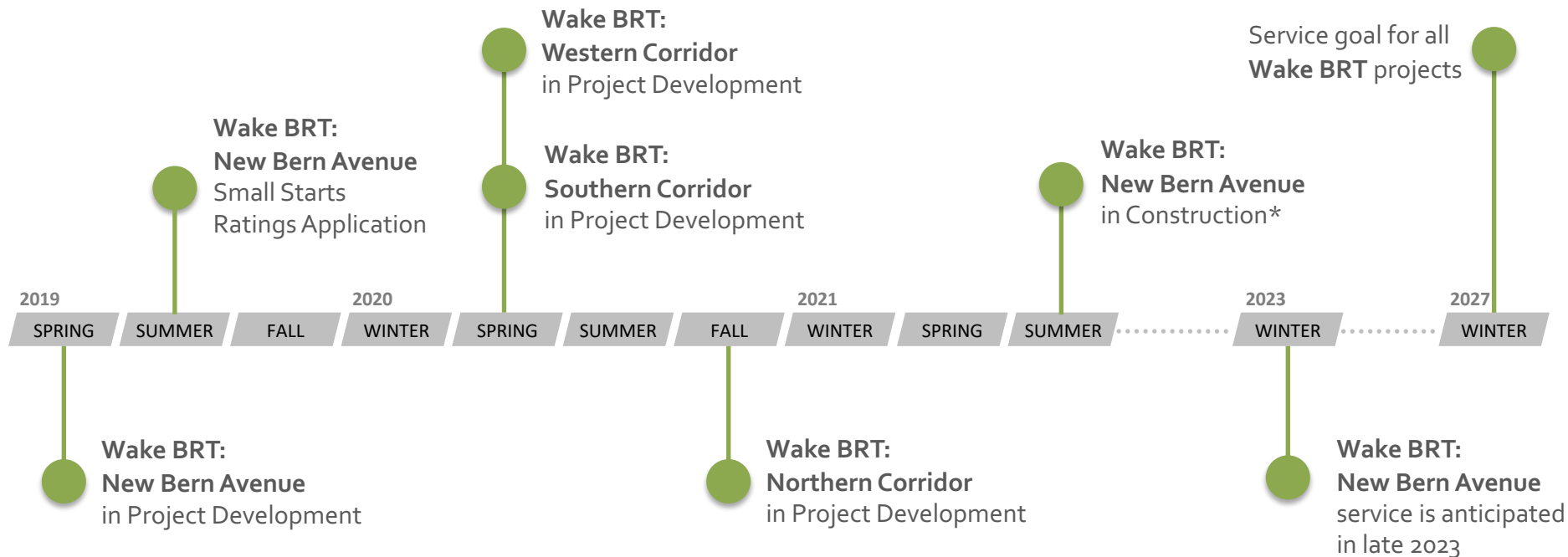
— 15 MINUTE FREQUENCY  
— 30-60 MINUTE FREQUENCY







# Wake BRT Projects Sequencing



\* Depending on Small Starts Grant Ratings and Funding Grant Agreement in Fall 2020



# Wake BRT Infrastructure and Service Guidelines



## 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 Infrastructure and Service Guidelines



## Transit Signal Priority

*Intersection improvements including transit signal priority (TSP) allow buses to bypass congestion. TSP does so by giving buses 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 Hours

*Weekday span of service from 4am to 12am (20 hours) and weekend span of service from 5:30am to 12am (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.*





# New Bern Avenue – How did we get here?

2012

## New Bern Avenue Corridor Study

*The improvements coming to New Bern Avenue are a part of the New Bern Avenue Corridor Study that was adopted by the City Council in 2012.*

2016

## Wake Transit Plan

*Wake County residents voted in favor of the Wake Transit Plan in November 2016. The Plan recommends 20 miles of BRT infrastructure to be implemented along four (4) corridors in Wake County to provide frequent and reliable urban mobility.*

2017

## Major Investment Study (MIS)

*The Major Investment Study (MIS) focused on BRT and Commuter Rail projects and completed peer review, existing conditions analysis and developed other planning documents for each.*

2019

## Wake BRT: New Bern Avenue (Design)



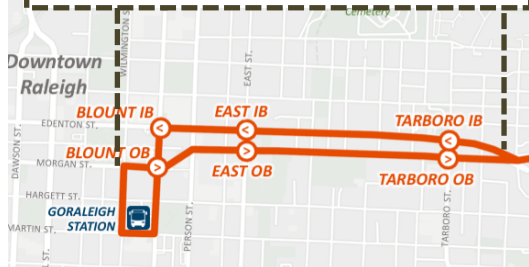
# Wake BRT: New Bern Avenue (~5.1 miles)

## NEW BERN AVENUE BRT - LEGEND

- DEDICATED LANE WITH TRANSIT SIGNAL PRIORITY
- MIXED-TRAFFIC WITH TRANSIT SIGNAL PRIORITY
- POTENTIAL STATIONS
- OUTBOUND (OB)
- INBOUND (IB)

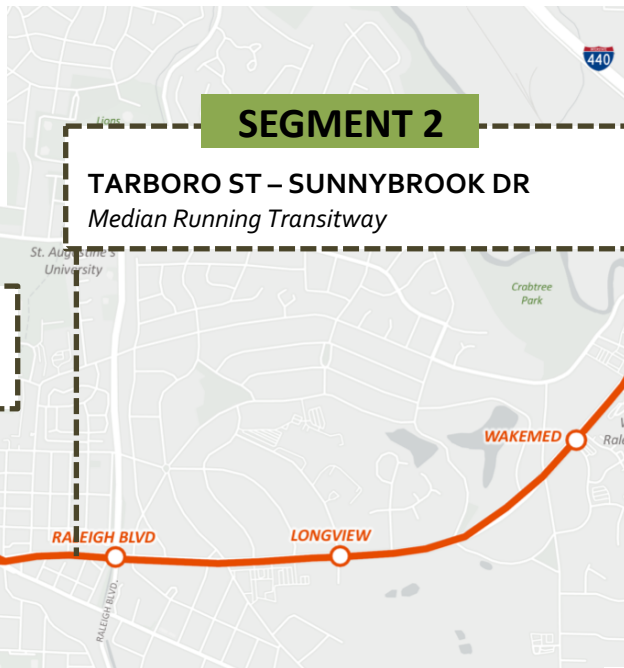
### SEGMENT 1

**DOWNTOWN – TARBORO ST**  
*Right Business Access & Transit (Right BAT)*



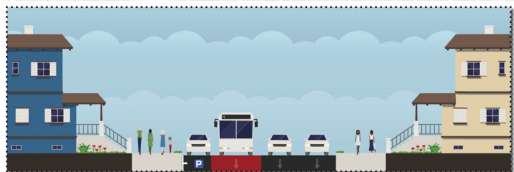
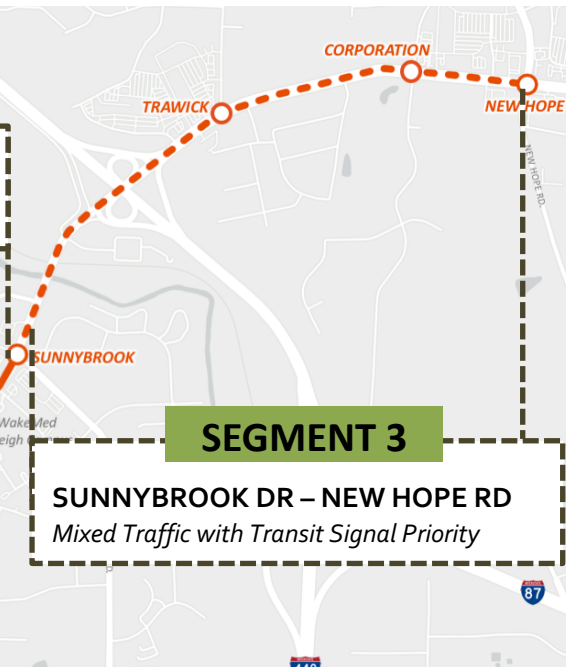
### SEGMENT 2

**TARBORO ST – SUNNYBROOK DR**  
*Median Running Transitway*



### SEGMENT 3

**SUNNYBROOK DR – NEW HOPE RD**  
*Mixed Traffic with Transit Signal Priority*





# Design Open House (June 25<sup>th</sup>) – Summary and Statistics

## Purpose of Meeting:

- Educate the community on the benefits of BRT
- Present preliminary station locations and BRT design concepts
- Receive public input

## Attendance & Feedback:

- 124 Attendees
- 27 Comment Forms
- 26 Comment Wall Activity Comments

## Online Survey:

- July 2<sup>nd</sup> – July 23<sup>rd</sup>
- 557 Participants
- 37 Subscribers







# Design Open House (June 25<sup>th</sup>) – Themes

- Excited about **bus only dedicated lanes**, specifically the transitway section.
- Excited about **faster, efficient and reliable service**.
- Concerns about **bicycle infrastructure** or lack thereof and **pedestrian safety**.
- Concerns about enforcement of bus only lanes.
- Questions about pedestrian access to BRT station areas.



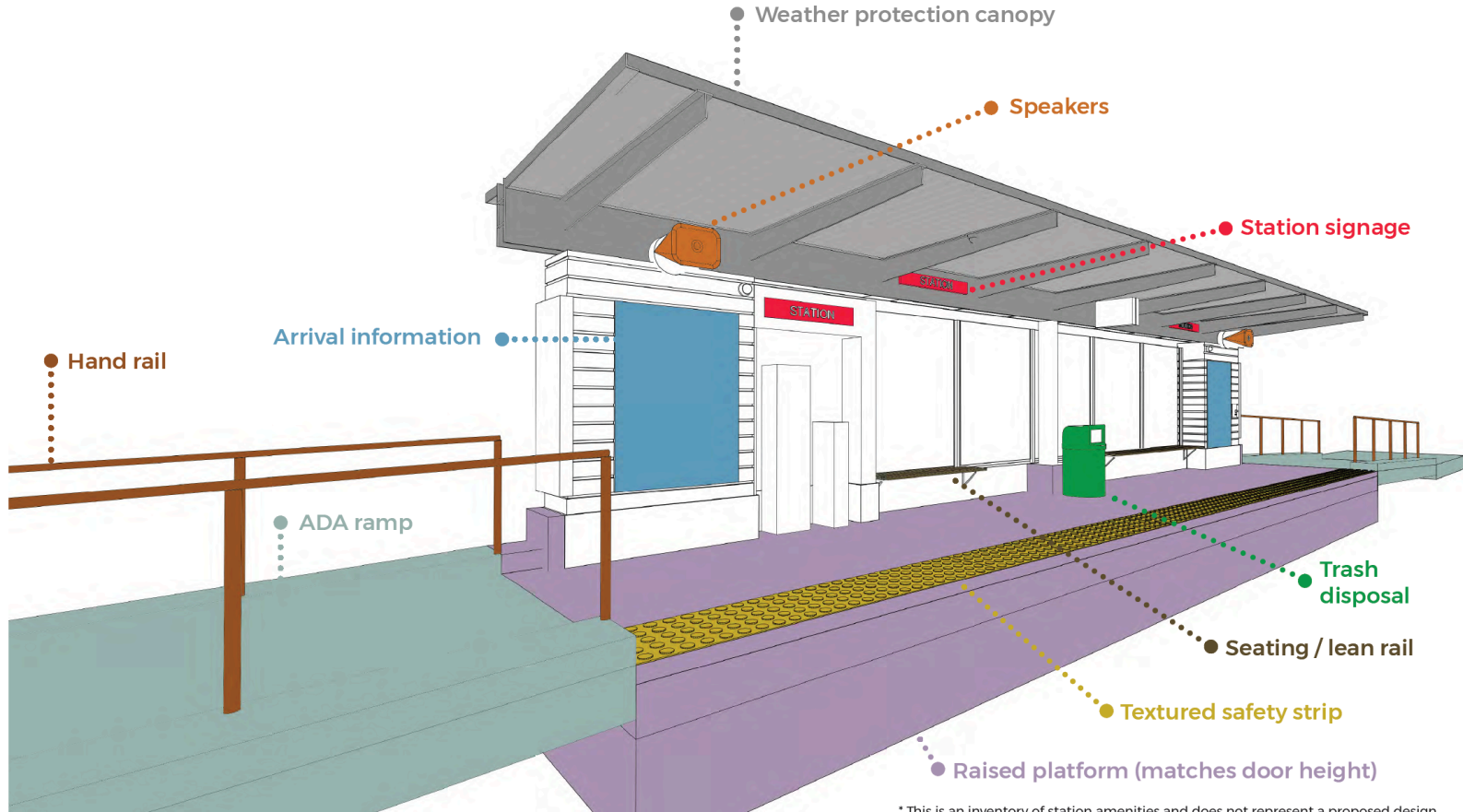


# New Bern Design Open House – Today

- Presentation
- Information Boards
  - Bike-Ped Amenities, Traffic/Access Modifications, Access to Stations, ADA Design, etc.
- Community Wall Activities
  - Station Amenities
  - Citrix Cycle Station Locations
- Tables for Related Projects
  - Equitable Development Around Transit
  - Western Boulevard Corridor Study
  - New Bern Avenue Pedestrian Improvements Projects
  - City of Raleigh – Neighborhood and Housing and Economic Development
- On-line Survey



# Community Wall Activity – Station Amenities

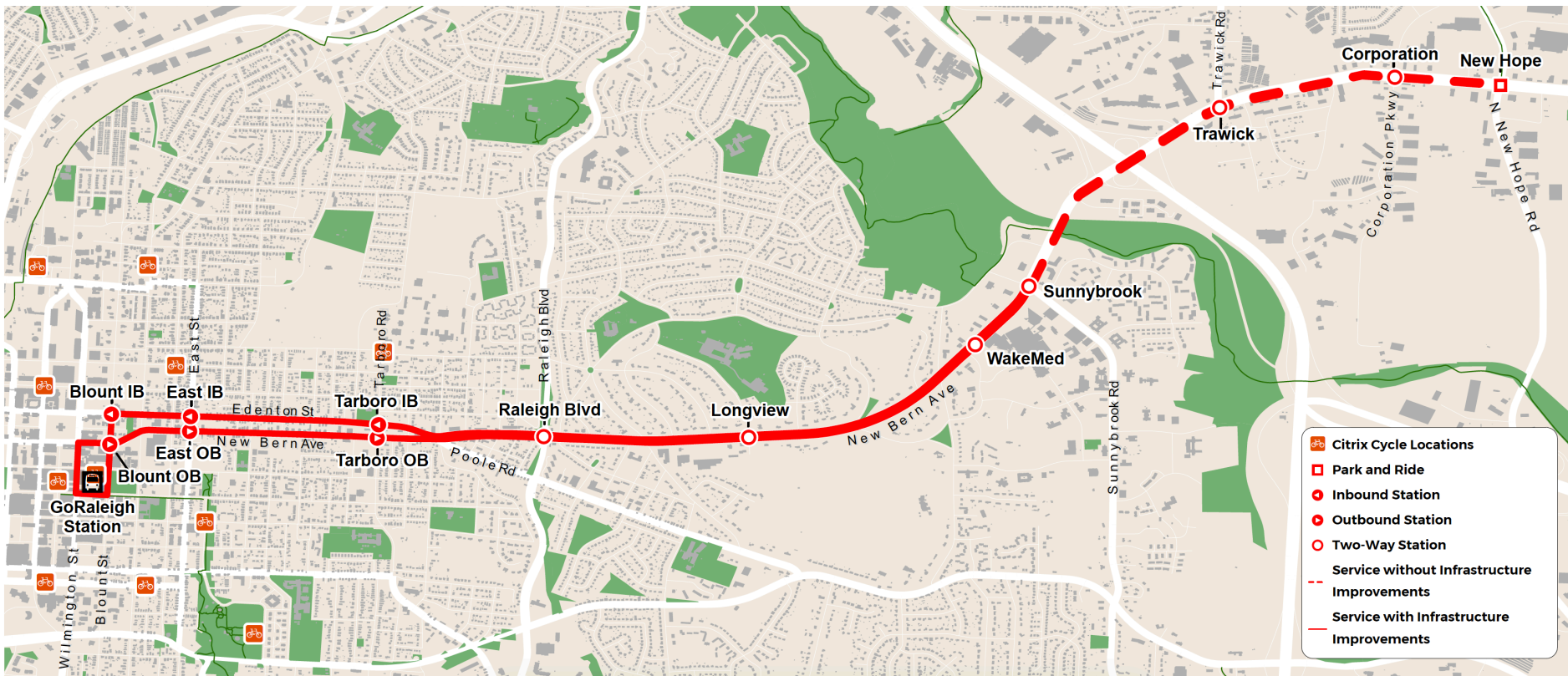


\* This is an inventory of station amenities and does not represent a proposed design.





# Community Wall Activity – Citrix Cycle Locations








# New Bern Avenue BRT – Schedule

We are here



Apr 19	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	2020	2021-2022	2023	
 Open House						 Open House				 Open House		
<ul style="list-style-type: none"><li>• Confirmed BRT route alignment and length</li><li>• Identified initial station locations</li><li>• Introduced BRT runningway design concepts</li><li>• Coordinated with other transportation projects</li></ul>			<ul style="list-style-type: none"><li>• Refined station locations</li><li>• Selected one BRT runningway and vehicle option</li><li>• Introduced transit signal priority options</li><li>• Developed preliminary cost estimates</li><li>• Submitted Small Starts Grant Application</li></ul>			<ul style="list-style-type: none"><li>• Finalize station locations</li><li>• Develop station footprint</li><li>• Refine BRT runningway design</li><li>• Refine cost estimates</li></ul>			Complete Final Design	Construction	BRT Service Begins	



# Ongoing Projects:

## Supporting Wake Transit Plan Implementation



Wake BRT:  
Western Boulevard  
Corridor Study

Raleigh BRT:  
Equitable Development  
Around Transit

Wake BRT:  
New Bern Avenue

Wake BRT:  
Future Projects





# Thank you!

## Upcoming BRT Related Meetings:

### Wake BRT: Western Boulevard Corridor Study



Tuesday, November 12

4:00-8:00 PM

(Presentation at 6:30 PM)

McKimmon Center

1101 Gorman Street, Raleigh, NC 27606

GoRaleigh 12, GoTriangle 300/301/305, and Wolfline 5

PLANNING



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