

# WAKE TRANSIT PLAN

Transit Planning Advisory Committee

TPAC REGULAR MEETING

May 11, 2022

9:30AM – 11:30PM

**GO FORWARD**  
A COMMUNITY INVESTMENT IN TRANSIT

# I. Welcome and Introductions

Gaby Lawlor, TPAC Chair

## II. Adjustments to the Agenda

Gaby Lawlor, TPAC Chair

### III. General Public or Agency Comment

Reminder: Public comments are limited to 3 minutes.

Gaby Lawlor, TPAC Chair

# IV. TPAC Meeting Minutes

## Attachment A

### Requested Action:

Consider adoption of the draft April TPAC meeting minutes.

Gaby Lawlor, TPAC Chair

# V. Wake BRT Program Update

Het Patel, City of Raleigh

Transportation - Transit

# Wake Bus Rapid Transit Program Update

TPAC

May 11, 2022



Raleigh



# Wake BRT Program Overview

## Northern Corridor

STATUS: MIS Study (kick-off)

NEXT STEPS: Preliminary Design (TBD)

## Western Corridor

STATUS: Preliminary Design (10%)

NEXT STEPS: Anticipated Final Design (2024)

## New Bern Ave Corridor

STATUS: Advance Design (90%)

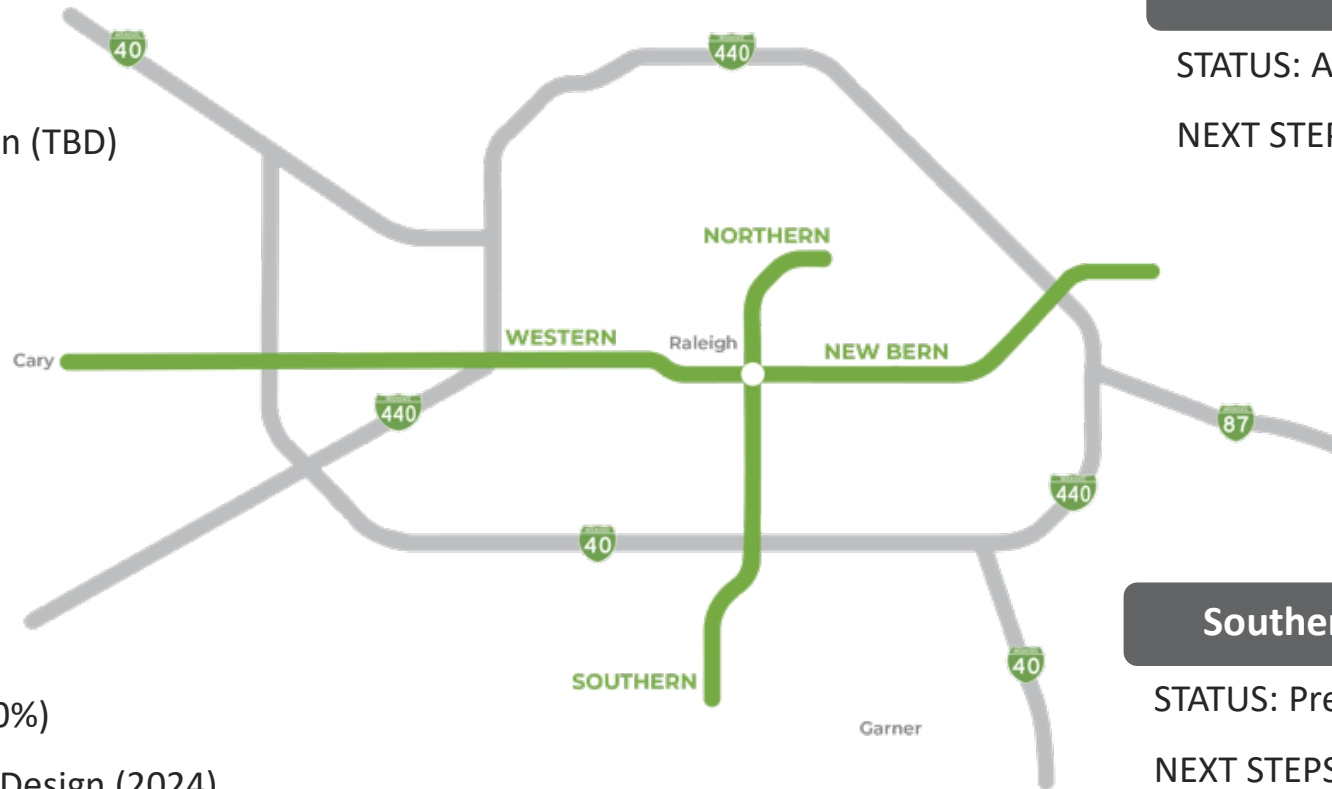
NEXT STEPS: Construction Start (2022)

Anticipated Service (2024)

## Southern Corridor

STATUS: Preliminary Design (5%)

NEXT STEPS: Anticipated Final Design (2024)





# Wake BRT: New Bern Avenue

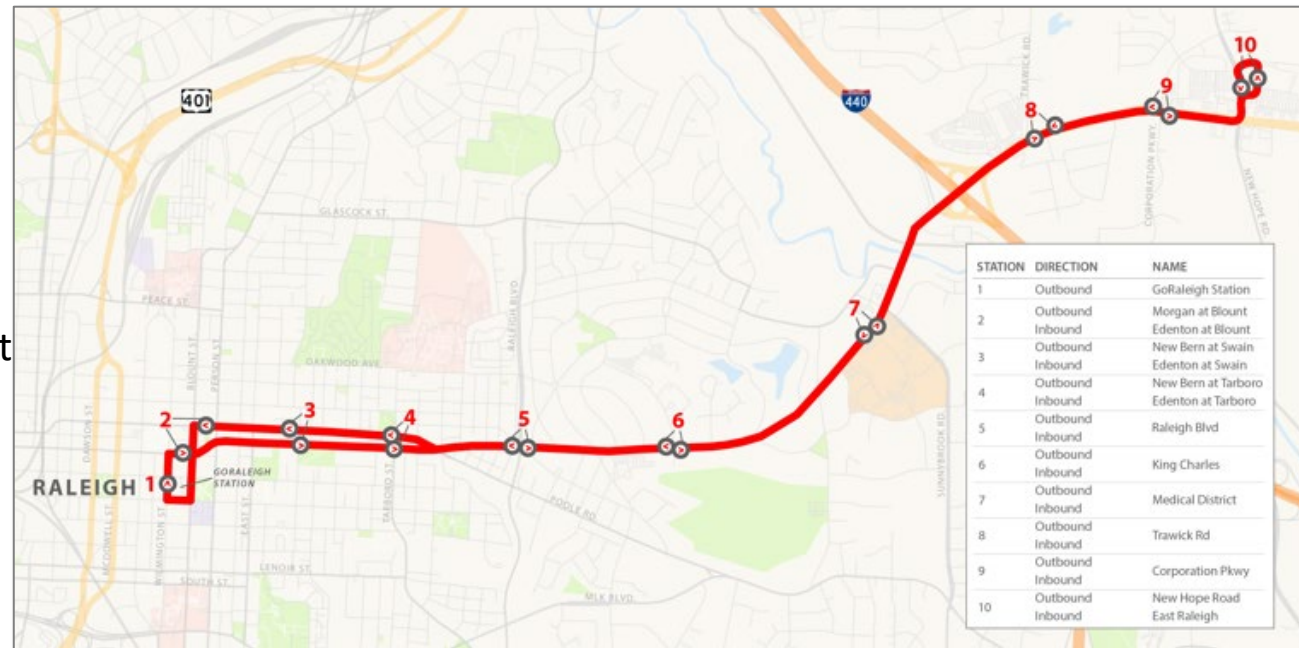
## Overview

- Final (90%) design phase
- Ten (10) Stations (19 platforms)
- Seven (7) CNG buses
- Project improvements include green stormwater infrastructure, sidewalk improvements, use path, water and sewer main upgrades

## Timeline

- Spring 2022 – 90% design
- Spring 2022 – Start ROW acquisition
- Fall 2022/Winter 2023 – Anticipated start of construction
- Fall 2024/Winter 2025 – Anticipated start of service

mult



# Wake BRT: New Bern Avenue

TRANSPORTATION

## Wake BRT: New Bern Ave



**CONSTRUCTION STARTS FALL 2022**

Wake Bus Rapid Transit (BRT): New Bern Ave will connect downtown Raleigh to WakeMed and New Hope Rd via fast and reliable BRT service. BRT will use dedicated transit lanes and transit signal priority to ensure frequent and on-time-service.

**IMPROVEMENTS INCLUDE:**

- 19 enhanced transit platforms
- Green stormwater infrastructure
- A multi-use path on the south side of New Bern Ave
- Sidewalk on the northside of New Bern Ave
- Water and sewer main upgrades
- Landscaping
- Overall improved connectivity

Impacts to downtown within the BRT project limits include a reduction of bike lanes, parking and loading zones.



Wake BRT platform amenities include seating, weather protection, ADA accessible boarding, digital signage with real time arrival information, trash & recycling, off-board ticketing, art and much more!

- Spring 2022 - Right-of-Way and Easement Acquisition
- Fall 2022 - Start Construction
- Fall 2024 - Services Begins

**HAVE QUESTIONS?**  
Contact:  
Sean Driskill  
sean.driskill@raleighnc.gov  
Het Patel  
het.patel@raleighnc.gov



**raleighnc.gov**  
Search: Wake BRT: New Bern Ave

## Downtown Impacts

- Reduction in bike lanes, parking and loading zones
- Station construction and utility relocations
- New traffic patterns, pavement marking changes

## Next Steps

- FTA Coordination (complete Readiness Review) and Small Starts Grant Agreement in Summer 2022
- Real Estate acquisition scheduled to start in Summer 2022 and be completed in Fall 2022
- Additional public engagement meetings & updates scheduled for Fall 2022, including Virtual Open House
- Public pre-construction meeting in early 2023

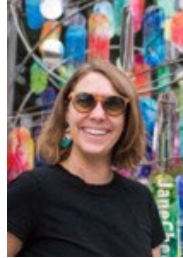
# New Bern Avenue – Art Integration



[Leslie Bartlebaugh](#)  
Glass Artist -  
Trawick



[Johnny "Lee" Chapman, III](#)  
Concrete  
Integration  
Artist



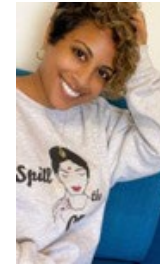
[Jane Cheek](#)  
Glass Artist –  
New Hope Rd &  
East Raleigh



[Max Dowdle](#)  
Glass Artist –  
King Charles



[Shawn Etheridge](#)  
Glass Artist –  
Tarboro



[Mayanthi Jayawardena](#)  
Glass Artist –  
Swain

- Eleven (11) artists selected to create artwork for the corridor - nine glass artists, one concrete artist and one railing artist – more info [here](#)



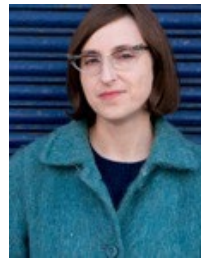
[Georges Le Chevallier](#) Glass  
Artist –  
Corporation  
Pkwy



[Alberto Ortega](#) Glass  
Artist –  
Raleigh Blvd



[Kiara Sanders](#)  
Glass Artist -  
Blount



[Felix Obelix](#)  
Glass Artist –  
Medical  
District



[David Wilson](#)  
Railing Artist

- Draft conceptual designs will be available via Public Input, where residents and stakeholders can provide feedback – link to be shared when ready

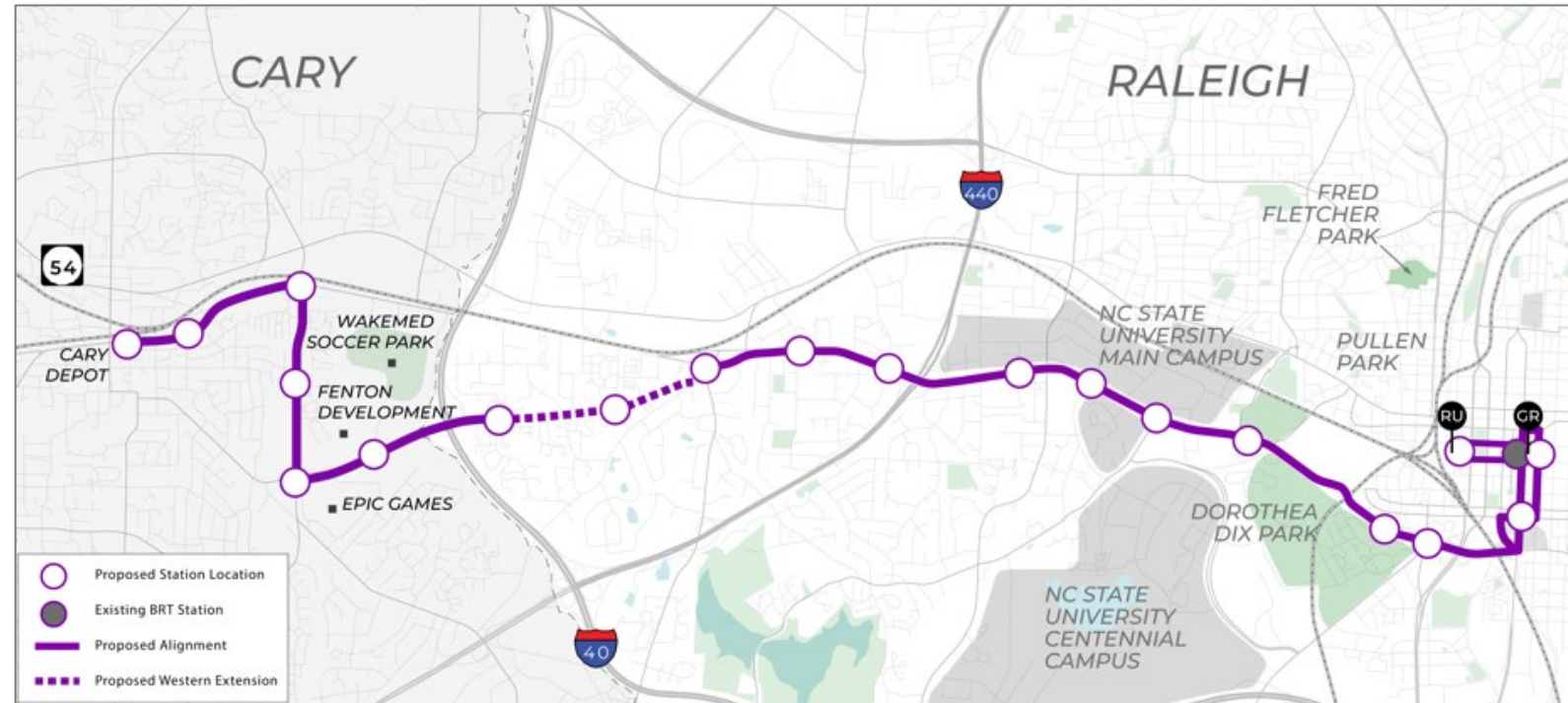
# Wake BRT: Western Corridor

## Overview

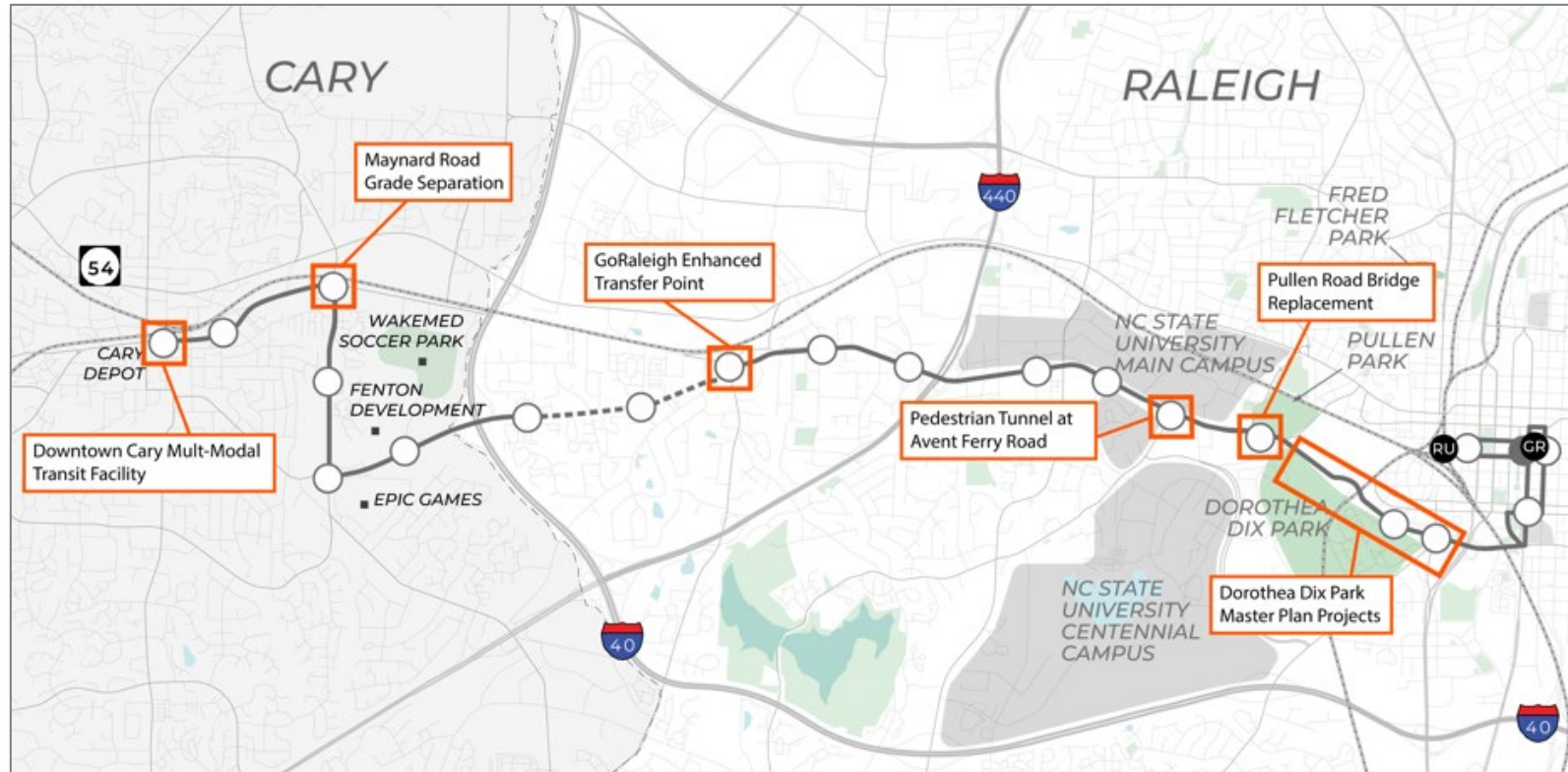
- Preliminary design phase
- Approximately 12 miles
- 20 proposed stations
- Downtown Raleigh to Downtown Cary
- Ten (10) CNG buses or other alternatively fueled buses

## Timeline

- January 2021 – Began preliminary design
- Fall 2022 – 10% design
- Fall 2023 – Anticipated 30% design
- Fall 2023 – Anticipated FTA CIG Small Starts Ratings Submission



# Western Corridor – Parallel Projects



## Ongoing Capital Projects

- Number of ongoing design projects along Western Corridor (COR, NCDOT and Town of Cary)
- Awaiting design decisions related to these projects from project sponsors to accurately develop cost estimates for Western Corridor BRT project

## Ongoing Planning Work

- City of Raleigh currently working on multiple studies/planning initiatives along the corridor. City Council review expected Summer 2022:
  - Western Blvd Corridor Study
  - Western TOD overlay
  - Initiating Station Area Planning

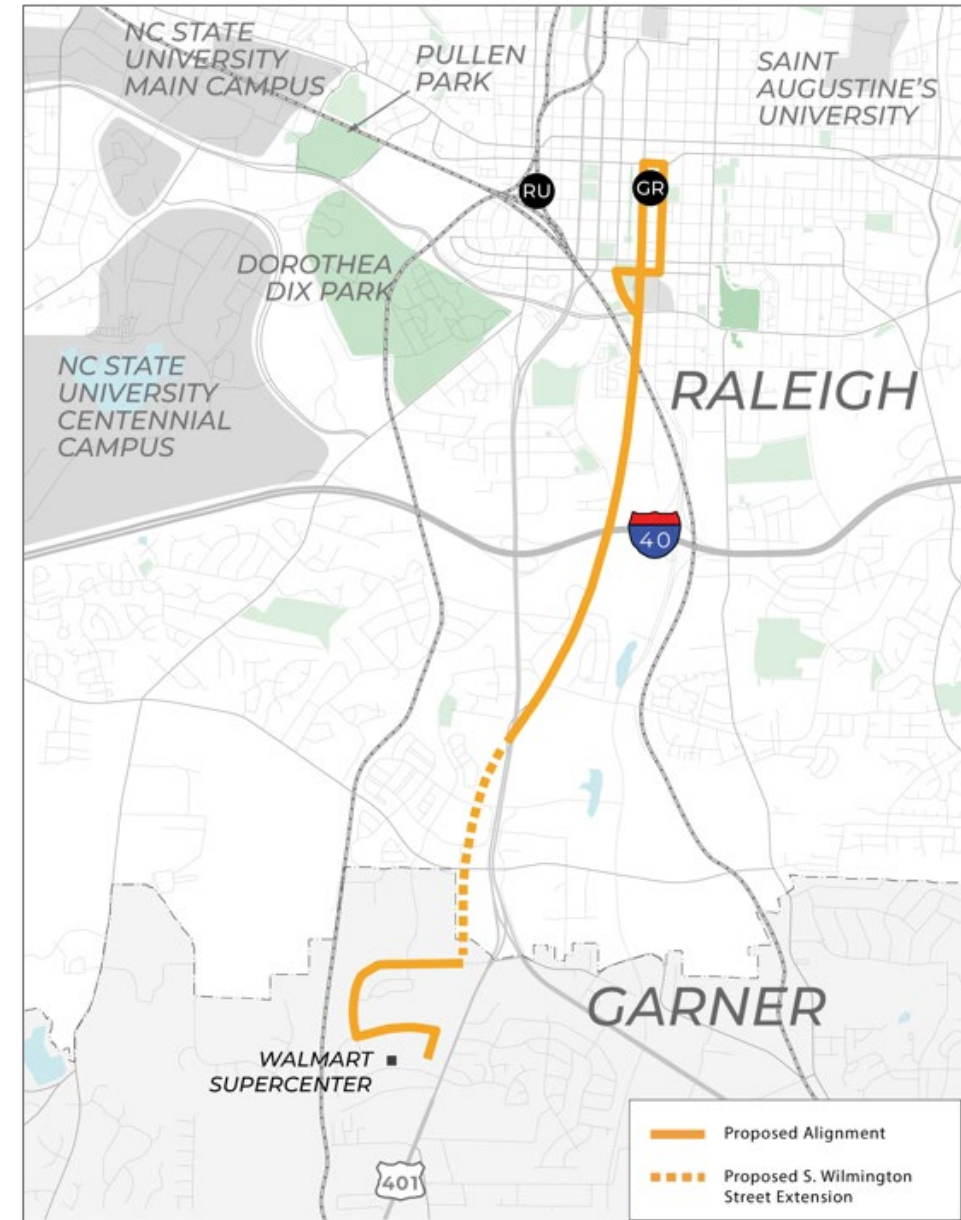
# Wake BRT: Southern Corridor

## Overview

- Preliminary design phase (5%)
- Connecting downtown Raleigh and Purser Drive in Garner
- Approximately 5 miles and up to 10 proposed stations
- Seven (7) CNG or other alternatively fueled buses

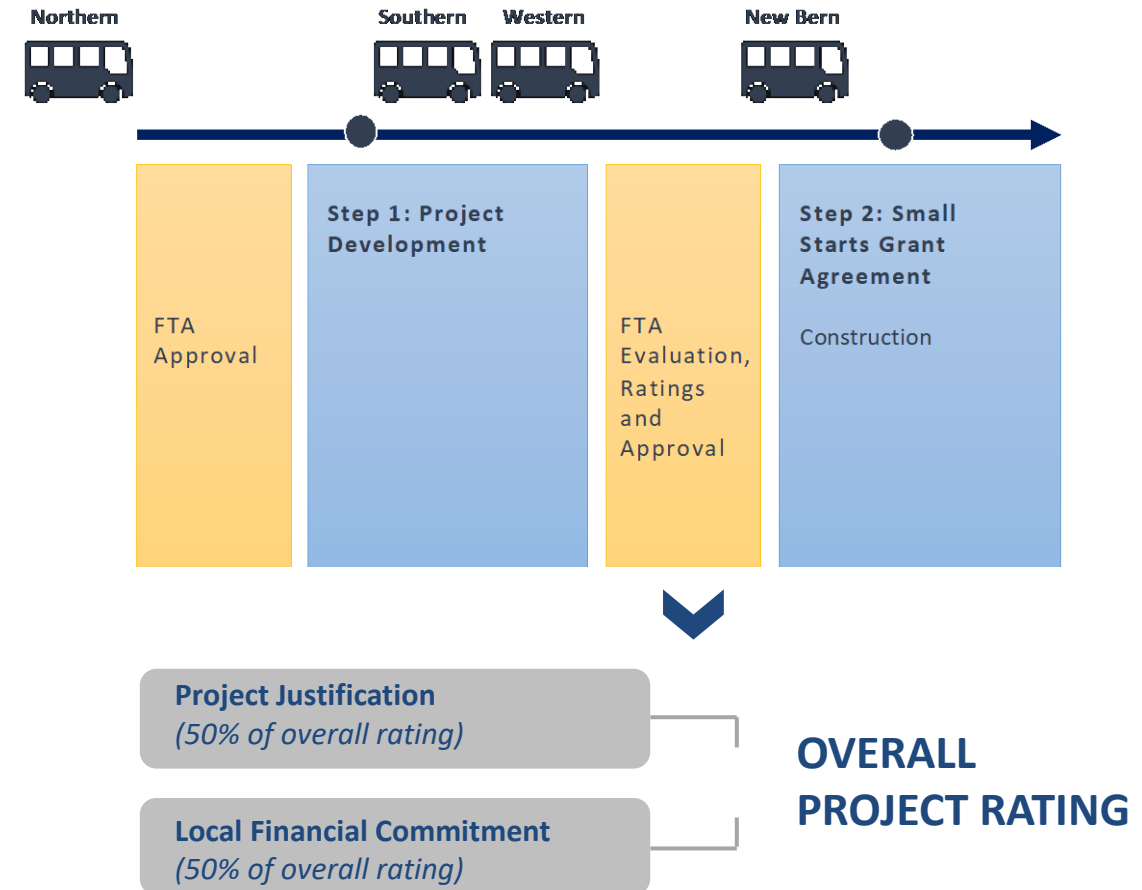
## Timeline

- Fall 2021 – Began preliminary design
- Spring 2022 – 5% design
- Summer/Fall 2022 – Anticipated 10% design
- Summer/Fall 2022 – Anticipated FTA CIG Small Starts Ratings Submission



# FTA CIG Small Starts Ratings

- ✓ Project Development (PD) Acceptance for both Southern and Western Corridors
- Next step: Submit ratings application for each project to determine funding eligibility
  - Projects must be rated at least a “medium” to be considered for future federal funding
- Small Starts Ratings Applications determine federal ask
  - **Important to have accurate project cost estimates before the ratings application**



# FTA CIG Small Starts Ratings Strategy

## 1. Wake BRT: Western Corridor Small Starts Ratings in August-September 2023

- Coordination needed with capital projects along Western Corridor. Awaiting design decisions related to these projects from project sponsors to accurately develop cost estimates for Western Corridor BRT project.

## 2. Wake BRT: Southern Corridor Small Starts Ratings in August-September 2022

- Less complex design assumptions related to BRT, fewer stations
- Will need to identify a funding source for general purpose lanes along S. Wilmington St Extension. However, funding source **does not** need to be identified before a ratings application.



# Northern Major Investment Study

## Study Overview

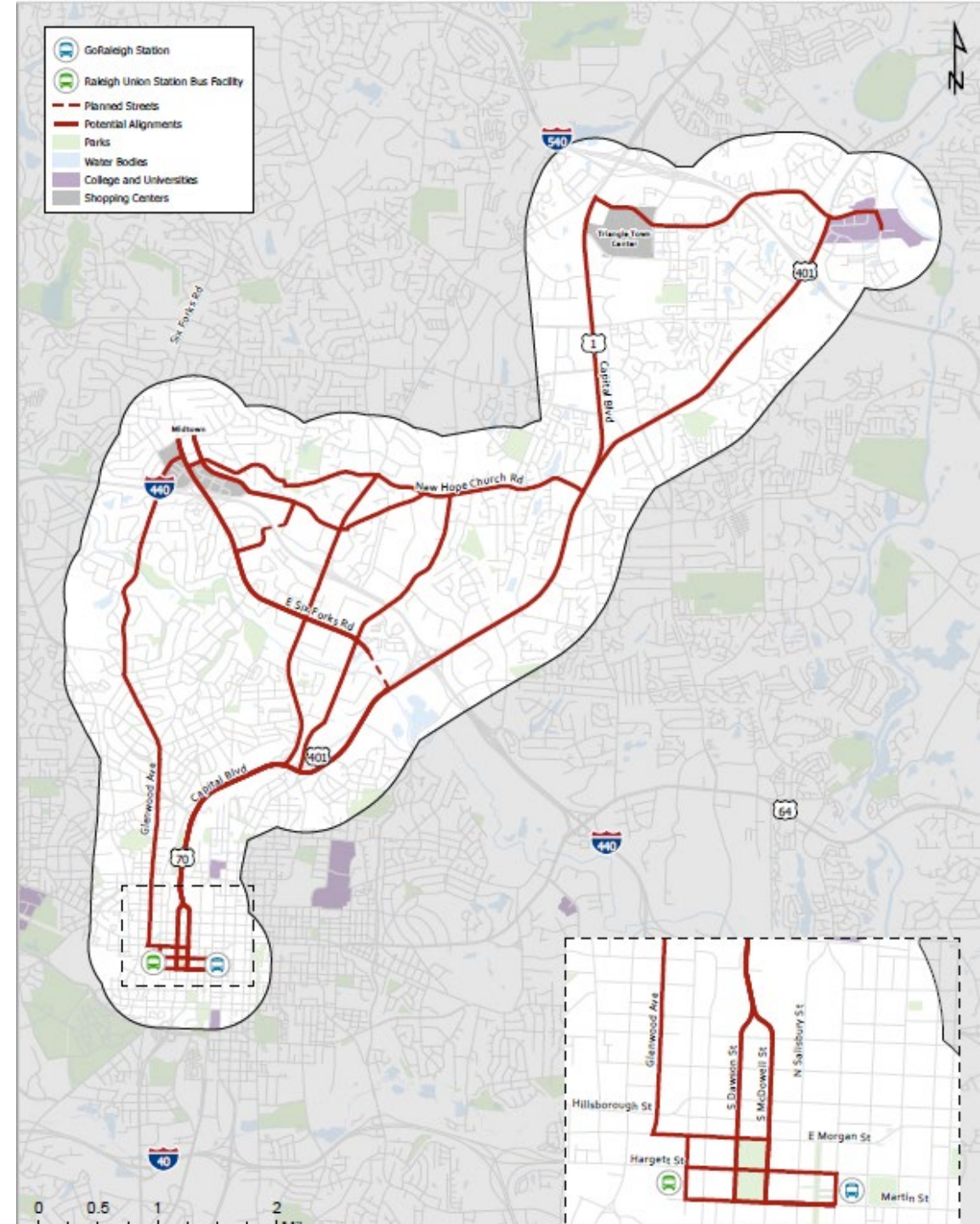
- Develop recommendations to connect to North Hills and Triangle Town Center and phasing opportunities for implementation
- Approximate timeframe: 18 months
- Funded by local Wake Transit funds and federal funds
- Contract fee approximately \$500K
- HDR’s DBE participation 18%

October 2021	HDR recommended as top-ranked consultant
February 2022	Council authorized CM to execute contract with HDR
March 2022	Northern MIS study begins
End of 2023	Northern MIS study anticipated completion date

# Northern Major Investment Study

## Study Area + Alternatives Analysis

- Connections to North Hills and Triangle Town Center, and investigation of potential connections to Wake Tech
- For potential connection to Wake Tech, question is if this would be beneficial connection for a CIG project (near or far term) vs. high-frequency local route
- Three (3) step alternatives analysis process:
  - Fatal Flaw – vehicle operability
  - Refinement and Screening (Level 1)
  - Detailed Screening (Level 2)



# Northern Major Investment Study

*Engagement to include virtual and non-virtual outreach, as well as targeted outreach to include those not typically well represented in the process, such as minorities and low literacy populations*

## **Phase 1: Public Engagement**

Fall 2022 - Refinement & Screening of Alternatives

## **Phase 2: Public Engagement**

Winter/Spring 2023 - Detailed Screening

## **Phase 3: Public Engagement**

Spring/Summer 2023 - Recommended Alternatives

# Wake BRT Program Next Steps

April/May 2022	New Bern Avenue – Real Estate acquisition to begin
May 2022	New Bern Avenue – Art Integration draft conceptual designs
Summer/Fall 2022	Southern Corridor – Anticipated 10% design
Fall 2022/Winter 2023	New Bern Avenue – Anticipated start of construction
Fall 2022	Fall Virtual Open House (hybrid in-person engagement)

Transportation - Transit

Thank you

May 11, 2022



# V. Wake BRT Program Update

## Requested Action:

Receive as Information.

Het Patel, City of Raleigh

# VI. FY 2023 Wake Transit Work Plan, Project Agreement Groupings and Reporting Deliverables Attachment B

Steven Schlossberg, GoTriangle



FY 2023 Work Plan Project Agreement  
Groupings and Reporting Deliverables

TPAC Meeting  
May 11,2022



# FY23 Work Plan Project Agreement

## Groupings and Reporting Deliverables

*Background* - The purpose of the agreements is to guide deliverables for funds appropriated in the Wake Transit major capital and operating funds appropriated by the tax district.

*Operating Agreements or Master Agreements*- an agreement between an agency tasked to provide an Implementation Element, the Tax District and other agencies as needed, or an operating plan if the Implementation Element is to be provided by the Agency. The agreement shall state the details of the service to be provided and detail expectations on funding, responsibilities, schedule and performance. The agreement shall adhere to minimum standards outlined in Section 8.02 of [the Transit Governance ILA]. Master agreements mean an Operating or Capital Funding agreement that directs a discrete logical grouping of projects, operations or studies.

*Capital Funding Agreements or Master Agreements* - an agreement between an agency and other agencies to provide an Implementation Element or a project plan if the implementation element is to be provided by the Agency. The agreement or project plan shall state the details of the capital improvements to be provided and detail expectations on funding, responsibilities, schedule and performance and shall adhere to minimum standards outlined in Section 7.01 of [the Governance ILA]. Master agreements mean an Operating or Capital Funding agreement that directs a discrete logical grouping of projects, operations or studies.

*GoTriangle is the Lead Agency for this initiative*

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# FY23 Work Plan Project Agreement

## Groupings and Reporting Deliverables

<u>Groupings:</u>		<u>Amount:</u>
General Operating - Bus Operation	<a href="#"><u>General Opt-Bus Operation'!A1</u></a>	22,808,758
General Operating - Transit Plan Admin	<a href="#"><u>General Opt-Transit Plan Admin '!A1</u></a>	5,479,393
General Operating - Tax District Admin	<a href="#"><u>General Opt-Tax Dist Admin'!A1</u></a>	551,371
Special Funding -YGP - GoTriangle	<a href="#"><u>GoTriangle Youth GoPass'!A1</u></a>	5,000
General Capital - Bus Infrastructure	<a href="#"><u>General Capt-Bus Infrastructure'!A1</u></a>	17,711,713
General Capital - Bus Acquisition - City of Raleigh	<a href="#"><u>General Capt-COR VAQ'!A1</u></a>	2,652,840
General Capital - Bus Acquisition - GoTriangle	<a href="#"><u>General Capt-GOT VAQ'!A1</u></a>	1,000,000
General Capital - Community Funding Area - Town of Fuquay-Varina	<a href="#"><u>General Capt-FV'!A1</u></a>	50,000
Special Capital - Bus Infrastructure- GoRaleigh	<a href="#"><u>Special Capt-GoRaleigh'!A1</u></a>	7,800,000
Special Capital -Bus Infrastructure - GoTriangle	<a href="#"><u>Special Capt-GOT'!A1</u></a>	9,110,000
Special Capital - BRT - GoRaleigh	<a href="#"><u>Special Capt-BRT'!A1</u></a>	7,630,000
Special Operating & Capital Technology - Raleigh & Cary	<a href="#"><u>R&amp;C Technology'!A1</u></a>	35,000
Special Operating & Capital Technology - GoTriangle	<a href="#"><u>GoTriangle Technology '!A1</u></a>	15,000
<b>Total</b>		<b>74,849,075</b>
Reserve Technology	N/A	1,081,600
Community Funding Area Program Project Sppnsor Pending	N/A	902,963
<b>Total including Reserve</b>		<b>76,833,638</b>

# FY23 Work Plan Project Agreement Groupings and Reporting Deliverables

## Operating Example

GoCary General Operating Funding Agreement: Bus Operations		
1)	Increase Midday Frequencies on Pre-Existing Routes - TO004-B	\$ 561,614
2)	Sunday and Expanded Holiday Service on All Pre-Existing Routes - TO004-A	\$ 466,425
3)	Apex-Cary Express - TO005-BE	\$ 170,820
4)	GoCary Complementary ADA Services - TO005-BI	\$ 165,165
5)	Weston Parkway Route - TO005-H	\$ 1,057,402
<b><u>Deliverables</u></b>		
1. Revenue hours of service		
2. Ridership		
3. Passenger boardings per revenue hour		
4. Operating cost per passenger boarding		
5. Farebox recovery		
6. On-time performance		

# FY23 Work Plan Project Agreement Groupings and Reporting Deliverables

## Capital Example

<b>GoRaleigh General Capital Funding Agreement: Bus Acquisition</b>		
1)	Acquisition of Fixed Route Vehicles (3 buses - 1 new and 2 replacement) - TC001-E & TC001-F	\$ 2,061,832
2)	Paratransit Replacement Vehicles - TC001-J	\$ 411,008
3)	Replacement and Expansion of Support Vehicles - TC001-L	\$ 180,000
<b><u>Deliverables</u></b>		
1. Date of order / release of purchase order, indicating number of vehicles		
2. Date of receipt and date vehicles accepted, indicating number of vehicles		

*Project sponsors are encouraged to evaluate project budgets every quarter and release funds back to fund balance when possible.*

# FY23 Work Plan Project Agreement Groupings and Reporting Deliverables

## Staffing:

1. Status of hire
2. Quarterly staff highlights (functions, deliverables, or accomplishments – may be provided as single report by project sponsor for all staff)

## Transit Service:

1. Revenue hours of service
2. Ridership
3. Passenger boardings per revenue hour
4. Operating cost per passenger boarding
5. Farebox recovery
6. On-time performance

## Plans/Studies

1. Date RFP/RFQ released for plan/study
2. Date contract awarded for plan/study
3. Estimation of percent completion of scope on quarterly basis
4. Results and/or recommendations of plan/study

*Deliverables are standardized per the TPAC endorsed policy when possible*

## FY23 Work Plan Project Agreement Examples

- Minimal changes from FY22 agreements (Date / Year)
- Recommended change on all agreements to expire 12/31/XX
  - *Allows consistency*
    - Changes from 9/30/XX or 12/31/XX to 12/31/XX.

The Agreement shall become effective upon execution by all Parties ("Effective Date"). The term of this Agreement shall be from the Effective Date until December 31, 2023. The Parties may extend the term of this Agreement or may otherwise amend this Agreement as set forth in Section 7.

- Allows for *Period of Performance Extensions* to occur in Q1 in the near future.
  - True accounting of full year expenditures from the year before.
- Examples of General Capital, General Operating and Special agreements are included as part of Attachment B.

# VI. FY 2023 Wake Transit Work Plan, Project Agreement Groupings and Reporting Deliverables Attachment B

## Requested Action:

Consider recommending approval of the FY 2023 Recommended Wake Transit Work Plan project agreement groupings and reporting deliverables to the Wake Transit governing boards

Steven Schlossberg, GoTriangle

# VII. TPAC Subcommittee Report

## Upcoming Subcommittee Meetings:

Subcommittee	Budget & Finance	Planning & Prioritization	Community Engagement
Chair	Steven Schlossberg, GoTriangle	David Walker, City of Raleigh	Andrea Epstein, City of Raleigh
Vice Chair	Shavon Tucker, City of Raleigh	Kevin Wyrauch, Town of Cary	Bonnie Parker, CAMPO
Next Meeting	5/19 – 2:00-3:00pm *as needed	5/24 – 1:30-3:30pm	5/26 – 1:30-3:00pm



## VIII. Other Business

Any other new or old business to discuss?

# IX. Adjourn

Next TPAC Meeting:

June 8, 2022