

# WAKE TRANSIT PLAN

Transit Planning Advisory Committee

TPAC REGULAR MEETING

April 17, 2024

9:30AM – 12:00PM

**GO FORWARD**  
A COMMUNITY INVESTMENT IN TRANSIT

# 1. Welcome and Introductions

David Eatman, TPAC Chair

## 2. Adjustments to the Agenda

David Eatman, TPAC Chair

### 3. General Public or Agency Comment

Reminder: Public comments are limited to 3 minutes.

David Eatman, TPAC Chair

## 4. TPAC Meeting Minutes

### Attachment A

#### Requested Action:

Adopt the March TPAC meeting minutes.

David Eatman, TPAC Chair

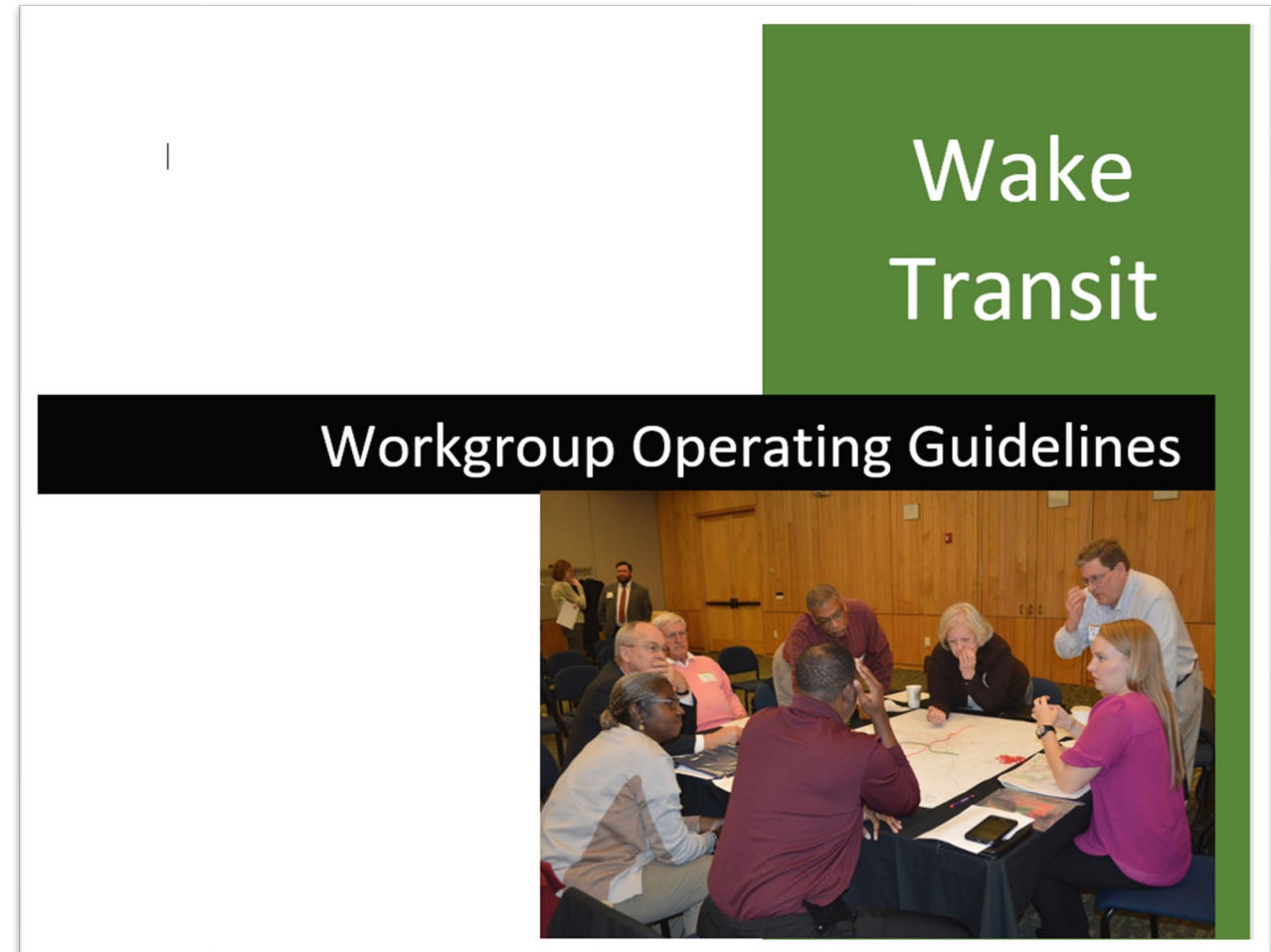
# 5. Wake Transit Workgroup Operating Guidelines Update

## Attachment B

Stephanie Plancich, CAMPO

# 2024 Workgroup Operating Guidelines Update

Timeframe	Description
June 2020	Develop Workgroup Operating Guidelines with the Process Subcommittee
July 2020	TPAC Endorses the Guidelines and they are put into action
Feb 2024	Staff recommend an update to the Guidelines, Approved on Work Task List
Mar 2024	Program Development Subcommittee review & action on recommended update
April 2024	TPAC review and endorsement of the updated Workgroup Operating Guidelines



# Recommended Edits

- Minor edits to grammar, punctuation, and administrative information
- Clarification of TPAC Administrator role and responsibilities
- Clarification of Workgroup Coordinator role and responsibilities
- Removal of two reporting requirements and forms: Quarterly Report Form and Amendment Form
- Expansion of instructions for submitting each Workgroup Identification form
- Added language for establishing workgroup membership



# Added Clarity on Workgroup Membership

## WORKGROUP MEMBERSHIP

*The membership of each workgroup is unique to the task(s) assigned. Which agencies and organizations are included on the member roster is determined by the convening body when they fill out the identification worksheet. It is the job of the Coordinator to send out individual invitations and to maintain the member roster. A member can be anyone that brings value, unique experience or perspective or has regulatory authority over aspects of the project. Any TPAC member can join a Workgroup by emailing the Coordinator and requesting to be included on the member roster.*

**Additional Questions and Comments?**

## 5. Wake Transit Workgroup Operating Guidelines Update

### Requested Action:

Endorse the recommended update to the Wake Transit Workgroup Operating Guidelines.

# 6. FY2024 4<sup>th</sup> Quarter Amendment Request

## Attachment C and C1

Ben Howell, CAMPO

# Timeline

# FY24 4th Quarter Amendment Request

ACTION	DATE
Submission Deadline	February 23, 2024
Released for Public Comment	March 8, 2024
Subcommittee Review and Disposition	March 26, 2024
Public Comment Period Ends	April 5, 2024
<b>TPAC Considers Amendment Requests</b>	<b>April 17, 2024</b>
<b>Technical Coordinating Committee Consideration and Recommendation</b>	<b>May 21, 2024</b>
<b>CAMPO Executive Board Considers Approval of Changes/Updates</b>	<b>May 15, 2024</b>
<b>GoTriangle Board of Trustees Consider Approval of Changes/Updates</b>	<b>May 22, 2024</b>

### FY 2024 Quarter 4 Requested Wake Transit Work Plan Amendments

**REQUESTED MAJOR AMENDMENT**

Capital Budget Amendment Requests						
Project ID #	Agency	Project Title	Original Funding Allocation	Requested Funding Allocation	Funding Impact	Reason for Major/Minor Amendment Status
TBD	GoTriangle	Regional Transit Technology Plan Update	\$ -	\$ 200,000	\$ 200,000	<p><b>Major Amendment:</b> Amendment request involves project requested to be added to the Work Plan and funded using funds from a budgeted reserve.</p> <p><b>Major Amendment:</b> This amendment request is for funds to hire a consultant to complete an update to the 2019 Regional Transit Technology Plan. The cost for the update to the Plan will be split among Wake, Durham and Orange Counties, and the amendment request is a cost neutral impact to the Wake Transit Plan, as it is requesting funds from a budgeted reserve account.</p>
<b>Total Capital Funding Impact</b>					<b>\$ 200,000</b>	

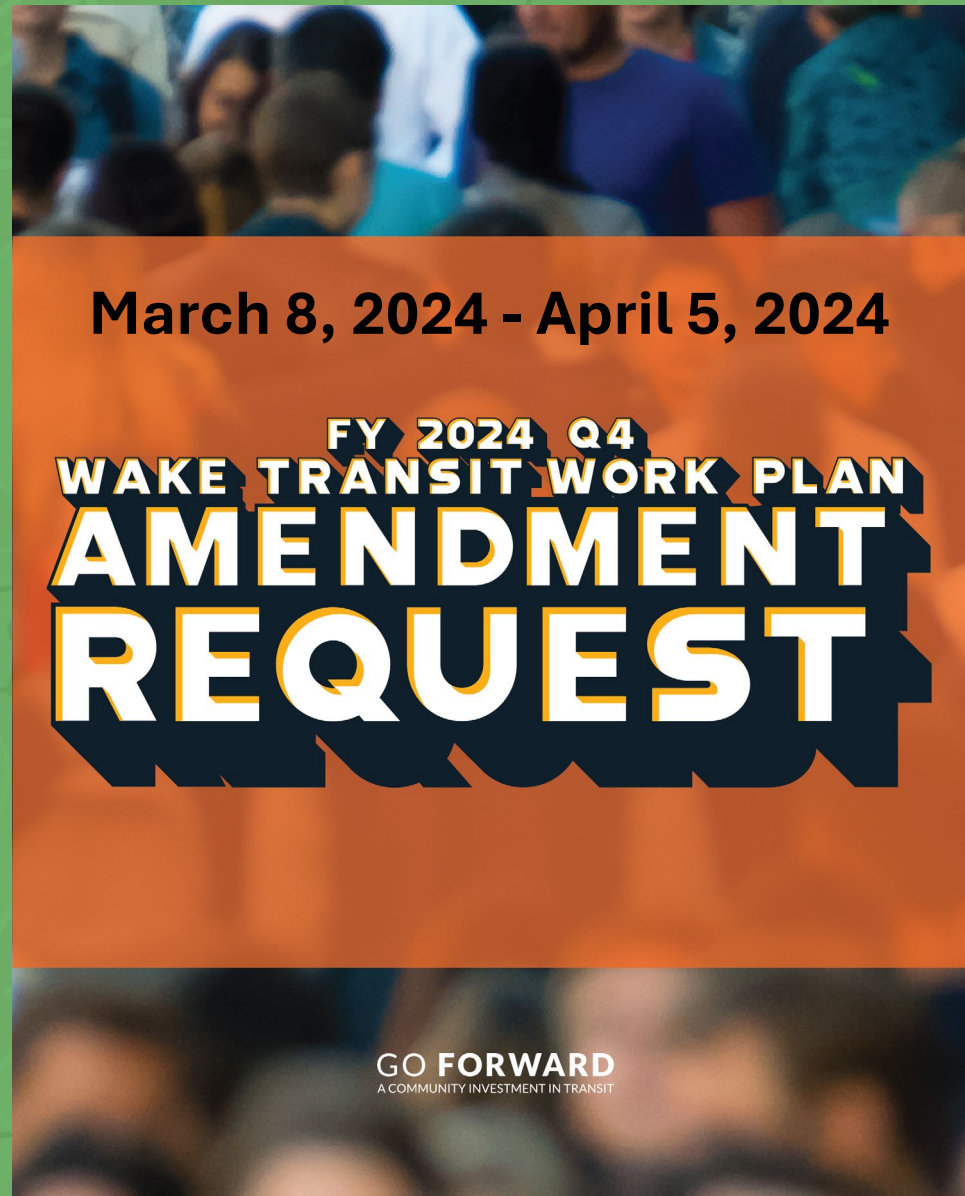
**Net-Zero Impact to Wake Transit Plan - \$200,000 Transferred from Unallocated Technology Reserves**

## FY24-Q4 Amendment Financial Impact

Capital Budget Amendment Request							
Ordinance Tag	Agency	Description	Wake Transit Project Funding since Inception <sup>1</sup>	Wake Transit Proposed Amended Budget	Revised Wake Transit Plan Funding	FY25-FY30 Adopted Wake Transit Plan Funding	Total Project Adopted Wake Transit Plan Funding
Capital Planning	GoTriangle	Regional Transit Technology Plan Update <sup>1</sup>	\$0	\$200,000	\$200,000	\$0	\$200,000
Bus Infrastructure	Reserve	Unallocated Technology Reserve	\$4,246,464	-\$200,000	\$4,046,464	\$337,859	\$4,384,323
<b>Wake Transit Capital Expenditures</b>			<b>\$4,246,464</b>	<b>\$0</b>	<b>\$4,246,464</b>	<b>\$337,859</b>	<b>\$4,584,323</b>
<b>Total Financial Impact - FY24 Wake Transit Work Plan</b>				<b>\$0</b>			

<sup>1</sup> Does not include funding from previous version of project (Adopted FY19 Work Plan)

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March 8, 2024 - April 5, 2024

FY 2024 Q4  
**WAKE TRANSIT WORK PLAN  
AMENDMENT  
REQUEST**

GO FORWARD  
A COMMUNITY INVESTMENT IN TRANSIT

# FY 2024 Q4 Wake Transit Work Plan Amendment Requests

## Project Engagement

VIEWS	PARTICIPANTS	RESPONSES	COMMENTS	SUBSCRIBERS
126	6	19	11	2





**Social Media Totals**

Social Media Channel	Impressions	Engagements	Link Clicks
X_Wake Transit (7)	724	8	3
X_GoT (5)	1044	19	9
Instagram_GoT (3)	465	28	8
Facebook_GoT (3)	294	17	8
<b>TOTAL</b>	<u>2527</u>	<u>72</u>	<u>28</u>

**Email & Website Totals**

Email	Sent	Opened	Clicked
GoTriangle (2)	2728	1061 (39%)	84
GoForward	Views	Entrances/Users	Average Session
GoTriangle	123	55/86	1m and 28s

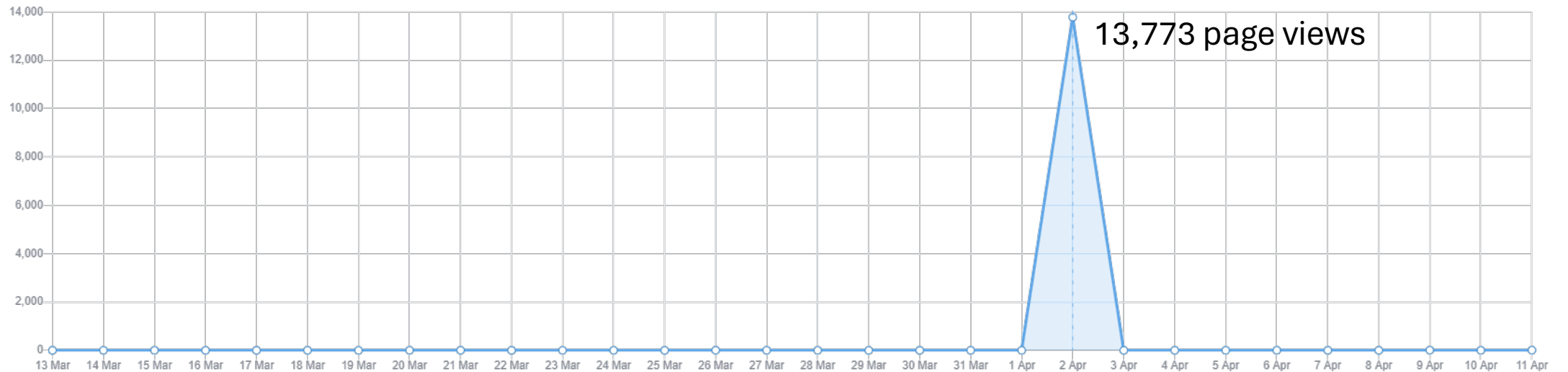
# The Wake Transit Blog!

<b>Sessions</b> 52 ↓ -95% vs. Previous 30 Days	<b>Pageviews</b> 13,826 ↑ 1348% vs. Previous 30 Days
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<b>Avg. Session Duration</b> 1h 18m 8s ↑ 396880% vs. Previous 30 Days	<b>Total Users</b> 445 ↓ -54% vs. Previous 30 Days
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# The Wake Transit Blog Spiked (April 2, 2024)

## [www.waketransit.com](http://www.waketransit.com)



End of Comment Period

# FY24 4th Quarter Amendment Request

All public comments were reviewed by CAMPO staff and input was considered in relation to the requested FY24 Wake Transit Workplan Amendment Request but resulted in no changes.

The Program Development Subcommittee Reviewed the FY24 Q4 Wake Transit Workplan Amendment Request at their meeting on March 26<sup>th</sup>, and unanimously recommended approval.

## 6. FY2025 4<sup>th</sup> Quarter Amendment Request

### Requested Action:

Recommend approval of the requested FY24/Q4 Amendment request to the governing boards.

# 7. Engagement Summary: Draft FY 2025 Work Plan

## Attachment E

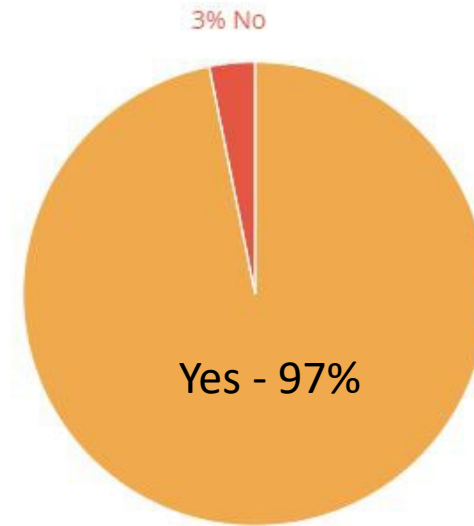
R. Curtis Hayes, GoTriangle

# Draft FY 2025 Wake Transit Work Plan

February 26, 2024 – March 26, 2024

**GO FORWARD**  
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Have you heard of Wake Transit before today?



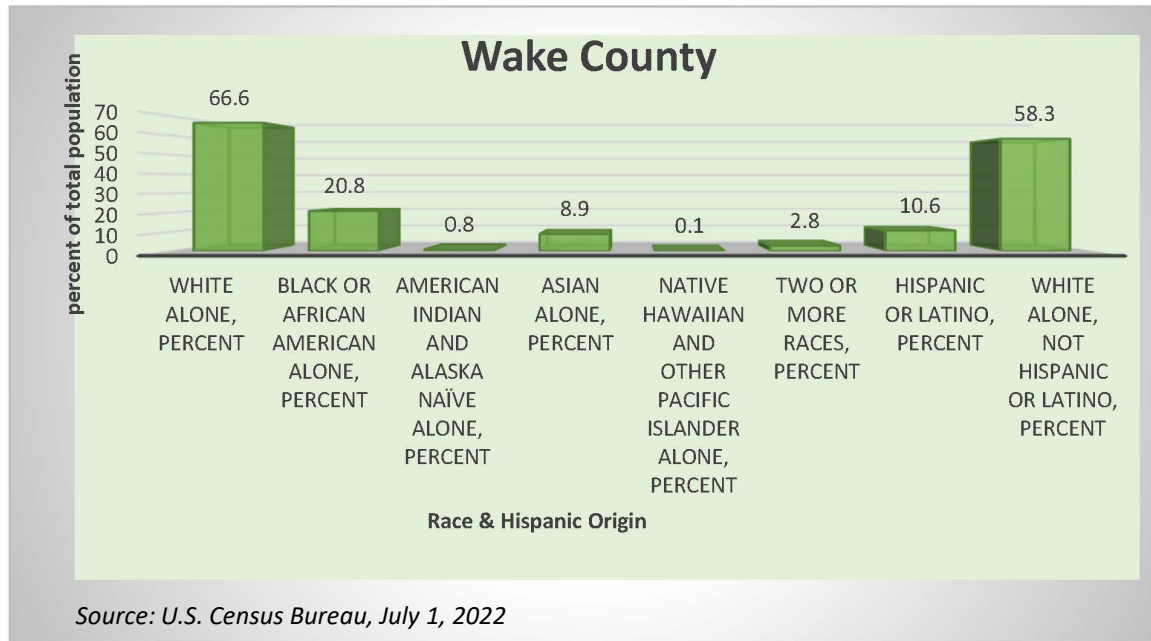
97% Yes  
63 respondents

## Draft FY 2025 Wake Transit Work Plan Development & Adoption Schedule

Draft FY25 Work Plan	Recommended Work Plan	Adoption of FY25 Work Plan
<u>Sept '23 – Jan '24</u> Plan Development	<u>March – April '24</u> Edits and Updates	<u>May '24</u> TPAC Approval
<u>Feb '24</u> Release for Public Review	<u>May '24</u> Release for Public Review	<u>June '24</u> CAMPO & GoT Boards Adopt



## Wake County, N.C., Race and Hispanic Origin



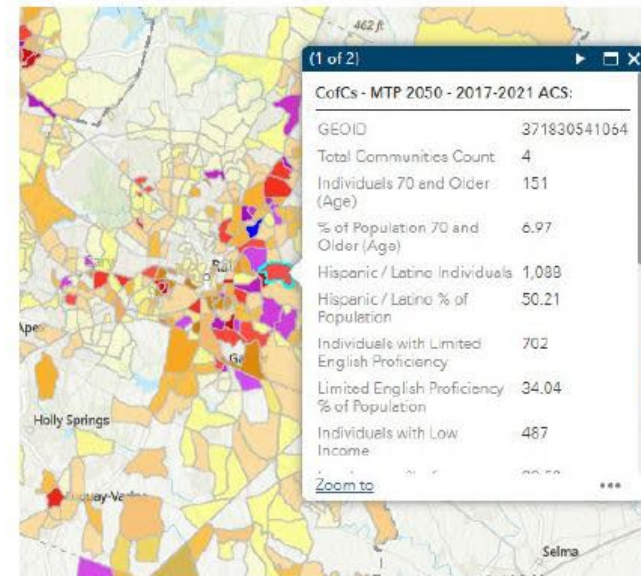
Wake County has a diverse and growing population, but just exactly where are its communities of concern? How do we plan to engage and communicate in order to comply with Title VI of the Civil Rights Act of 1964 and Environmental Justice regulations?

## AUDIENCE(S)

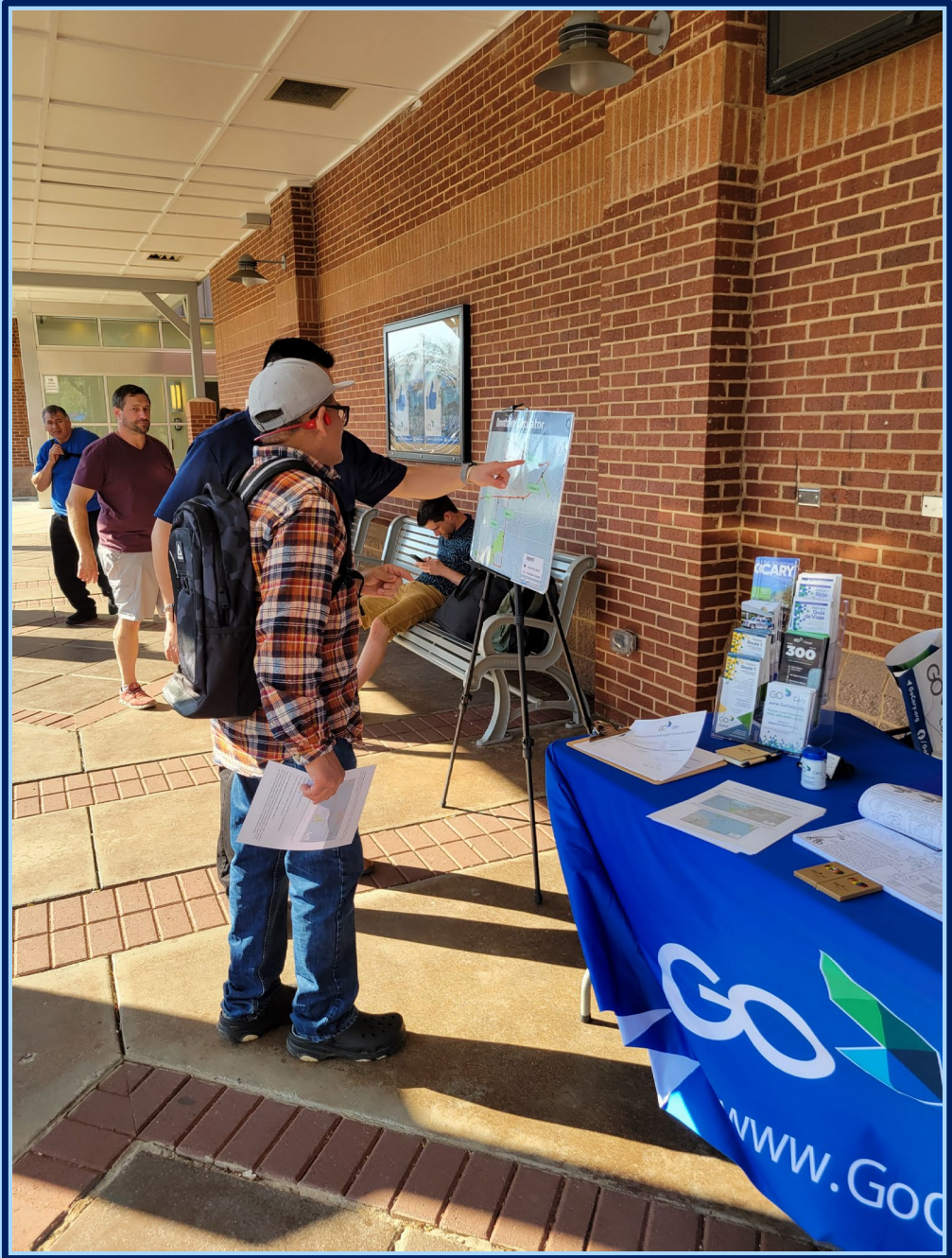
- COMMUNITIES OF CONCERN MAPPING:

<https://camponc.maps.arcgis.com/apps/webappviewer/index.html?id=2217fc3e06cb4085a44e9bfdb38c90d2>

- Disabled
- Limited English Proficiency
- Low Income
- Non White
- Seniors







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Event Location	Date	Interactions
Cary, Dorcas Ministries	02.21.24	10
GoRaleigh Station	02.27.24	30
Western Wake Farmers Market	03.02.24	20
Regional Transit Center	03.05.24	6
Wendell	03.07.24	3
Crabtree Valley Mall	03.07.24	15
Cary Depot, Customer Appreciation Day	03.14.24	15
Morrisville, Holi Celebration	03.16.24	100
Triangle Town Center Mall	03.19.24	10
Wendell, Food Truck Rodeo	03.23.24	4
Holly Springs	03.26.24	10



## **Communications & Engagment Tools**

- Email Campaign
- GoForward Website
- In-Person, Tabling Events
- Print Items: One Page Handout, Flyer, Rack Card, Talking Points
- Social Media: Facebook, Instagram, LinkedIn, and X
- Survey
- Wake Transit Blog
- Wake Transit Progress Report

## **Messaging**

- Public Notice: A 30-day public comment period is scheduled for February 26, 2024 – March 26, 2024.
- We need your input to keep building a safe and accessible system that adds to the quality of life for all residents.
- Your opinion matters and helps Wake Transit stay in sync with local communities, the environment, and the economy.
- We want to hear from you. We need your input.
- Your opinion matters and helps.
- Only 3 days left.
- March 26, 2024 is the last day to comment.

# SURVEY RESULTS

## Draft FY 2025 Wake Transit Work Plan

February 26, 2024 - March 26, 2024

### Project Engagement

VIEWS	PARTICIPANTS	RESPONSES	COMMENTS	SUBSCRIBERS
2,658	271	1,638	194	30

## EMAIL



### The Draft Fiscal Year 2025 [Wake Transit Work Plan](#) is Open for Public Comment Through March 26.

Your opinion matters and helps Wake Transit stay in sync with local communities, the environment, and the economy. The Draft FY25 Wake Transit Work Plan will be open to public comment for 30 days, from February 26 - March 26, 2024.

In FY25, approximately \$45.6 million has been allocated for operational expenditures and nearly \$197 million will support a variety of capital projects.

#### Highlights include:

- Three new transit routes beginning service
- Expansion of numerous existing routes
- Bus stop and station improvements
- Expansion of safety and security measures

Input from community members and Wake Transit stakeholders is vital to the planning process. There are several ways for individuals and groups to submit input.

#### Public comments are accepted through the following channels:

Online: [goforwardnc.org/getinvolvedwake](https://goforwardnc.org/getinvolvedwake)

Email: [info@goforwardnc.org](mailto:info@goforwardnc.org)

Mail: GoTriangle, C&PA, Wake Transit, 4600 Emperor Blvd., Suite 100, Durham, NC 27703

Text: WAKE25 to 855-925-2801 (charges may apply)

Call: 855-925-2801 (toll-free) and enter code 6695 to leave a voicemail

Regional Call Center: GoTriangle, 919-485-RIDE (7433)

In-Person: [Upcoming events](#)

[FY25 Draft Work Plan](#)

## LINKEDIN



GoTriangle  
2,462 followers  
2h • 🌐



Your opinion matters and helps Wake Transit stay in sync with local communities, the environment, and the economy. The Draft FY25 Wake Transit Work Plan will be open to public comment for 30 days, from February 26 - March 26, 2024.

In FY25, approximately \$45.6 million has been allocated for operational expenditures and nearly \$197 million will support a variety of capital projects.

#### Highlights include:

- Three new transit routes beginning service
- Expansion of numerous existing routes
- Bus stop and station improvements
- Expansion of safety and security measures

Input from the community is vital to the planning process. Let us know what you think: <https://lnkd.in/ew4fvTFh>

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**NEWS RELEASE**

### Weigh in on the draft FY25 plan for transit in Wake County

#### For Immediate Release

Contact: R Curtis Hayes, Wake Transit Strategic Communications Coordinator  
[rhayes@gotriangle.org](mailto:rhayes@gotriangle.org) and 919-482-5011.

**DURHAM, NC** (Feb. 26, 2024) Interested in learning what's proposed for public transit in Wake County for the next fiscal year? The public is invited to comment on the Draft FY 2025 Wake Transit Work Plan from Feb. 26 to March 26 at <https://goforwardnc.org/getinvolvedwake>.



4

2 reposts

## PARTNER PARTICIPATION



February 29, 2024

GoRaleigh Newsletter



The Draft FY 2025 Wake Transit Work Plan is available for community review from February 26 to March 26, 2024. View the plan and provide

**GO FORWARD**  
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# Print Samples & Comment Submission Options

## Selected Wake County transit projects | FY 2025

Projected tax revenue: \$150.7 million

- \$45.6 million goes into operating fund, including:
  - \$35.1 million continuation of bus operations funded in previous work plans, and
  - \$3.0 million for new operations, including:

### IN CARY

- \$806,299 for a new East Cary Route 11
- \$806,299 for conversion of Apex-Cary Express Route from Roue ACX to Route 12 In Raleigh

### IN RALEIGH

- \$759,690 for Avent Ferry Route 11
- \$281,463 for Glascock Route 3
- \$61,008 for Method Route 12
- \$25,330 for Carolina Pines Route 7L
- \$296,000 for the creation of the Rolesville Microtransit Service Zone

### IN WAKE COUNTY

- \$4,295 to Wake County to initiate a Youth GoPass program
- \$196.8 million goes into capital fund, including:
  - \$29 million for bus infrastructure, including paratransit and bus operations and maintenance facilities for the City of Raleigh and GoTriangle, including:
    - \$16.5 million for vehicle acquisition, including the purchase, replacement and repowering of buses
    - \$6.2 million for bus stops, park and ride facilities and transit center improvements, including:

### IN RALEIGH

- Midtown Transit Center
- North Carolina State University bus stop improvements

### IN CARY

- Park West Village Transfer Point Improvements
- \$150.9 million for Bus Rapid Transit
- \$45 million to finalize design and provide the local match for \$85.9 million in federal funds for Wake BRT: Southern Corridor
- \$15 million additional funding for Wake BRT: Western Corridor
- \$5.0 million for additional funding for Wake BRT: Northern Corridor
- \$430,000 to CAMPO to complete the Wake Transit Plan Update that will extend the planning horizon and guide Wake Transit projects through FY35



Thank you for participating today. Your responses on this form are incredibly helpful and anonymous. Answering this set of questions, while optional, helps ensure that the investments funded through the Wake Transit program, to improve and expand Wake County's transit network, will best represent the diverse needs and interests of the community.

### WHICH OPTIONS BEST REPRESENT YOU?

- |  |   |
|--|---|
| <input type="checkbox"/> I live, work, and/or attend school in Wake County, NC           | <input type="checkbox"/> I identify as female   |
| <input type="checkbox"/> My primary language is English or I speak and read English well | <input type="checkbox"/> I identify as a male   |
| <input type="checkbox"/> I am 17 years old or younger                                    | <input type="checkbox"/> I identify as non-binary, or other gender  |
| <input type="checkbox"/> I am 18-24 years old  | <input type="checkbox"/> I am considered to be disabled   |
| <input type="checkbox"/> I am 25-64 years old  | <input type="checkbox"/> Five (5) or more people live in my household   |
| <input type="checkbox"/> I am 65 years old or older                                      | <input type="checkbox"/> My household's total income is at or under \$53,000 per year   |
| <input type="checkbox"/> I am a regular or sometime user of transit services             | <input type="checkbox"/> I am of Hispanic, Latino, or Spanish origin of any race  |
| <input type="checkbox"/> I have never or very rarely use transit services                | <input type="checkbox"/> I represent a minority race or 2+ races (African American, Asian, South Asian, American Indian, Alaska Native, Middle Eastern, Hawaiian, Pacific Islander) |

### HOW DID YOU HEAR ABOUT THIS THIS COMMENT PERIOD?

- Saw the table or signs and walked up
- Social media (Facebook, Twitter, Instagram, Next Door, etc.)
- Flyer, poster or TV ad on the bus, at a stop or station
- Email from Wake Transit or GoTriangle
- Email from another organization
- Wake Transit or TPAC meeting
- Word of mouth or at another meeting
- TV, Radio or Newspaper (local media)
- Other: Please write it in the space below

### ADDITIONAL COMMENTS REGARDING THE DRAFT FY25 WAKE TRANSIT WORK PLAN

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Find out more at [goforwardnc.org/wake-county](https://goforwardnc.org/wake-county)

## FY 2025

## Draft Wake Transit Work Plan

January 26, 2024



**Online:** [goforwardnc.org/getinvolvedwake](https://goforwardnc.org/getinvolvedwake)  
**Email:** [info@goforwardnc.org](mailto:info@goforwardnc.org)  
**Mail:** GoTriangle, C&PA, Wake Transit, 4600 Emperor Blvd., Suite 100, Durham, NC 27703  
**Text:** WAKE25 to 855-925-2801 (charges may apply)  
**Call:** 855-925-2801 (toll-free) and enter code 6695 to leave a voicemail  
**Regional Call Center:** GoTriangle, (919) 485-RIDE (7433)





## Key Metrics

•**Impressions:** This metric counts the number of times your content is displayed on someone's screen, regardless of whether they interact with it or not.

•**Engagements:** Engagements go a step further than impressions. It's when a user interacts with your content beyond just viewing it. This could include actions like likes, shares, comments, or even just clicking on the image itself.

•**Link Clicks:** Clicks are a specific type of engagement where a user actively clicks on a link within your content. This action often leads to a website visit and can generate leads for business.

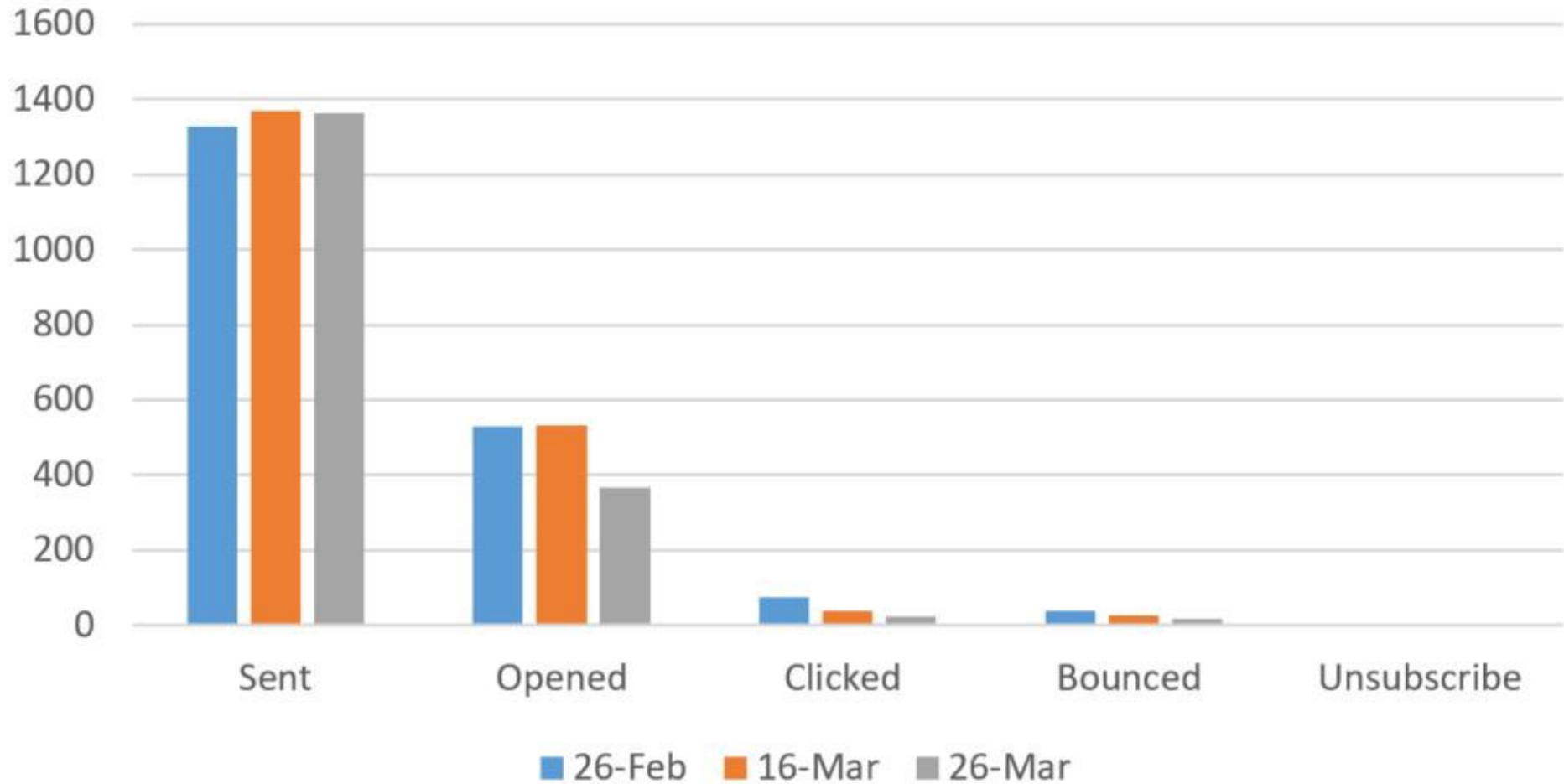
### Social Media Totals

Social Media Channel	Impressions	Engagements	Link Clicks
X_Wake Transit (9)	1073	28	6
X_GoT (7)	2116	33	5
Instagram_GoT (4)	621	33	13
Facebook_GoT	4041	103	31
<b>TOTAL</b>	<b><u>7851</u></b>	<b><u>197</u></b>	<b><u>55</u></b>

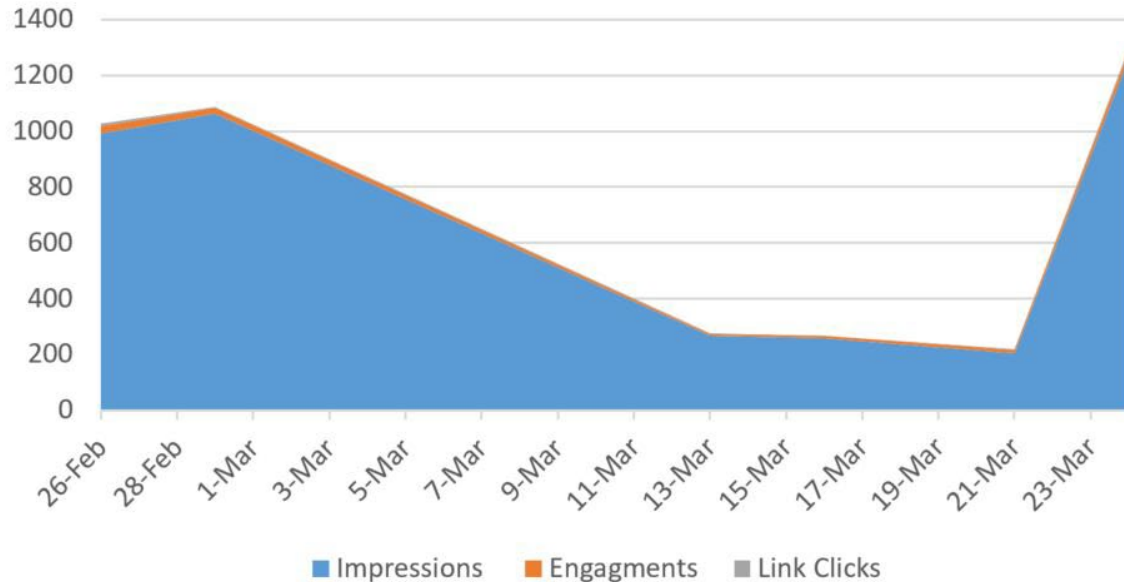
### Email, Website, and Blog Totals

Email	Sent	Opened	Clicked
GoTriangle (3)	4056	1426 (35%)	138
GoForward	Views	Entrances	Average Session
GoTriangle	858	617	2m and 13s
Blog	Sessions	Page Views	Total Users
Wake Transit (2)	49	381	32

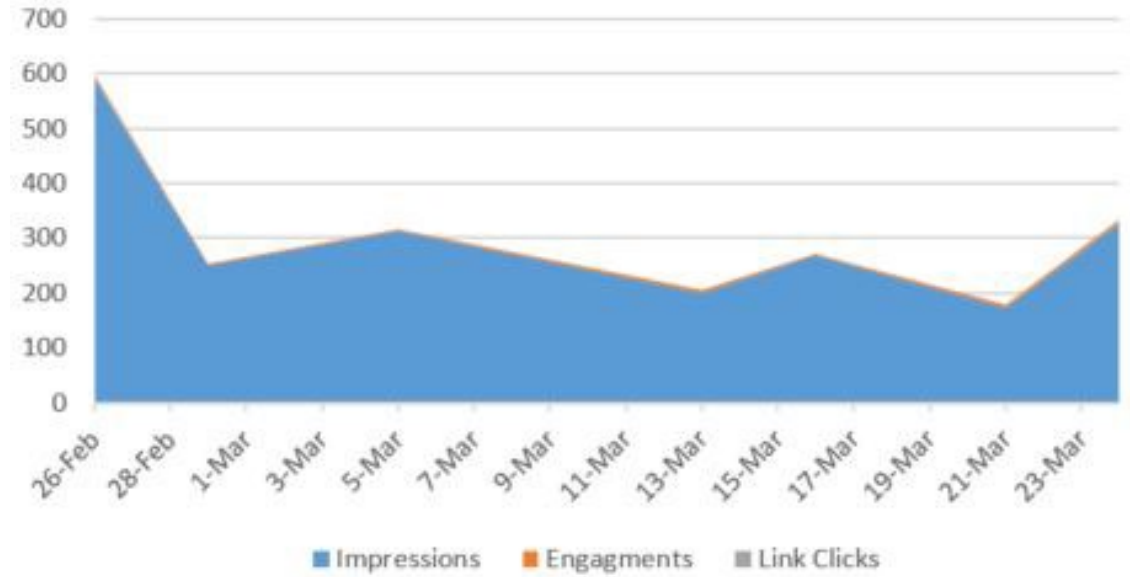
# Email Campaign



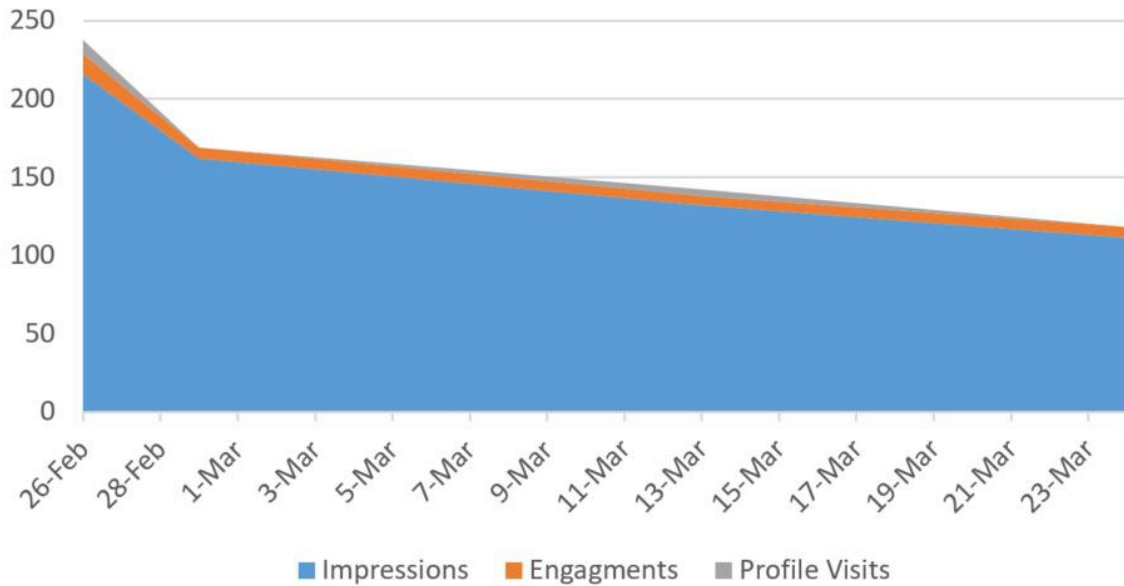
### Social Media: Facebook, GoTriangle



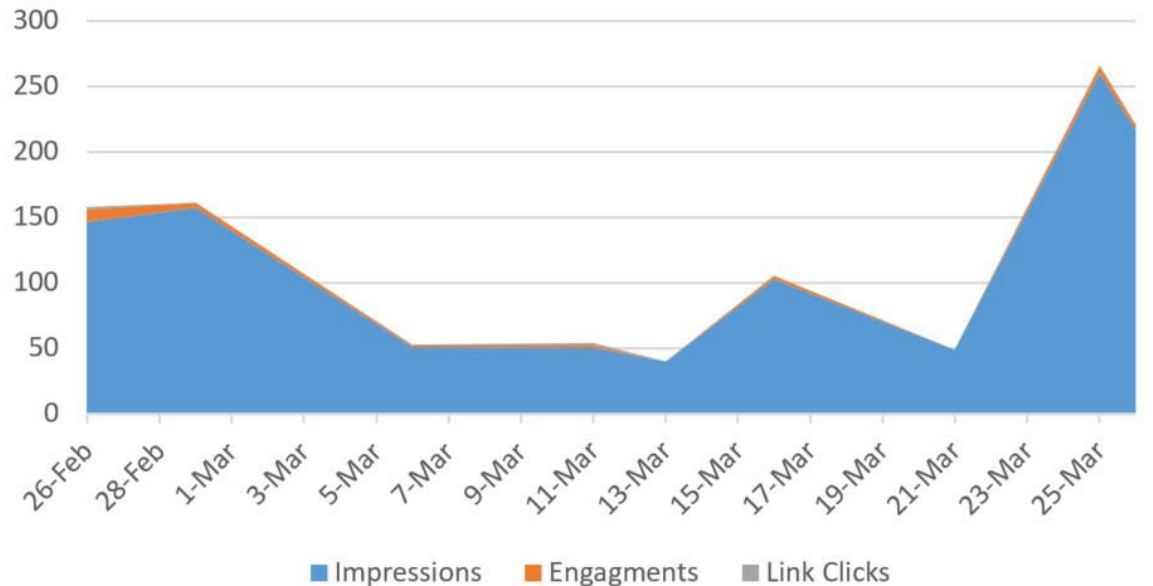
### Social Media: X, GoTriangle



### Social Media: Instagram, GoTriangle

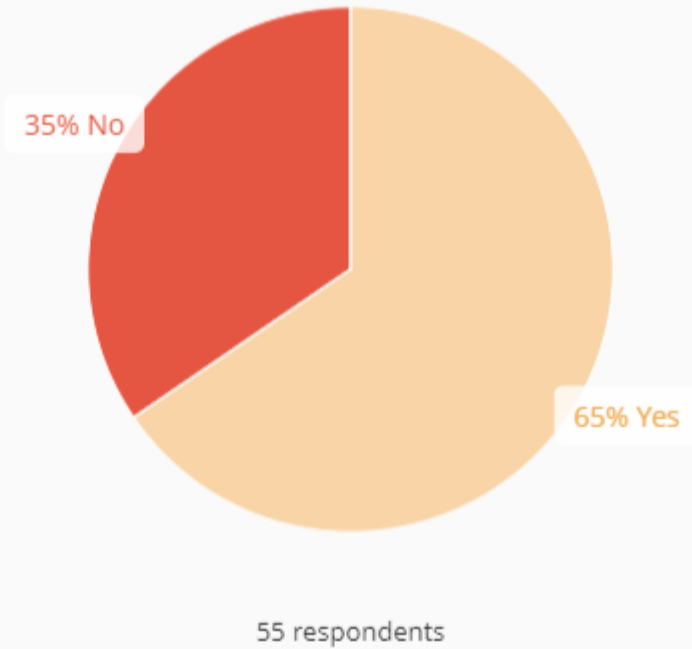
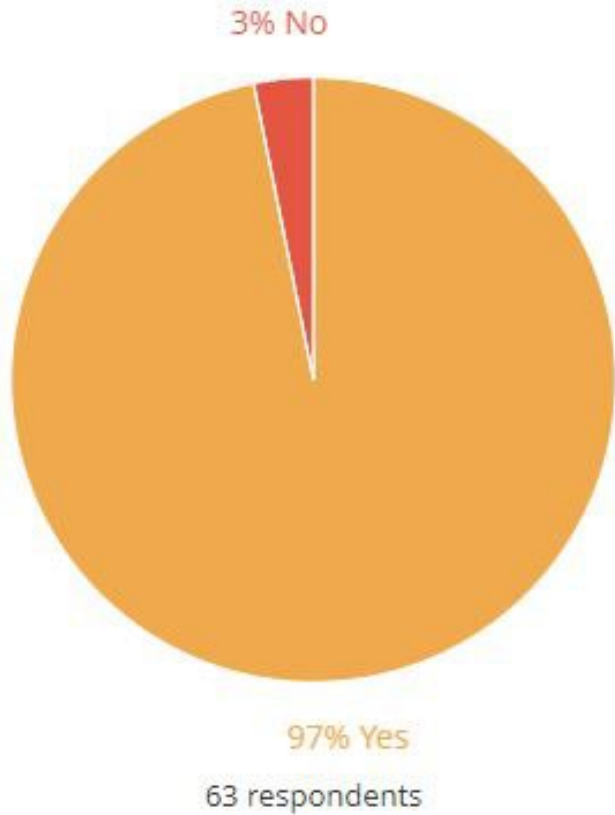


### Social Media: X, Wake Transit Channel



Did you know Wake Transit is an investment program that funds projects to improve and expand transit services across Wake County?

Have you heard of Wake Transit before today?



# 7. Engagement Summary: Draft FY 2025 Work Plan

## Requested Action:

Receive as Information

# 8. Introduction to NC State's Wolfline Transit System

Andrea Neri, NCSU



# An Introduction to Wolfline

## NC State University's Transit System

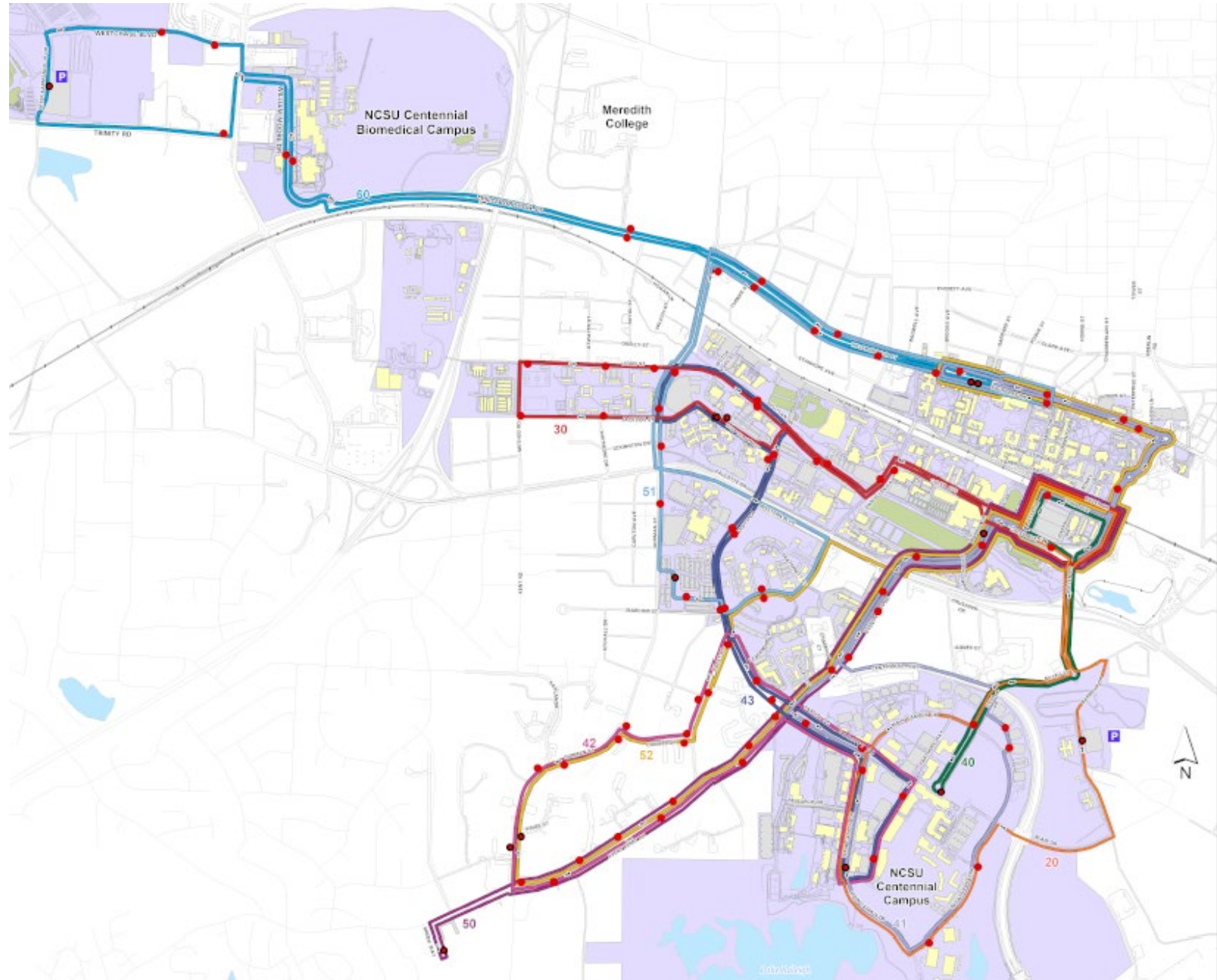
- Runs from 7 a.m. – 1 a.m.
- No fare or ID required
- PassioGo app for real-time bus information
- ADA compliant
- National Transit Database reports available to public





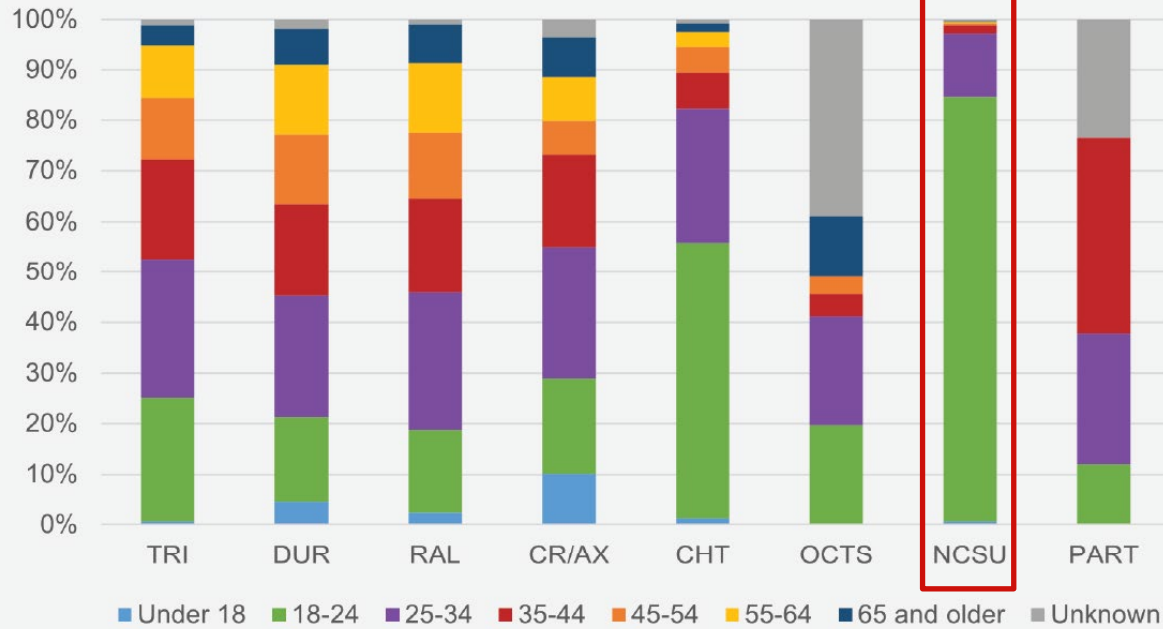
## WOLFINE SYSTEM

- 35 buses in the Wolfline fleet (25 deployed at peak)
- 10 weekday routes (all frequent service)
- 3 weekend routes
- Service area: 9 sq mi
- Population: 46,000

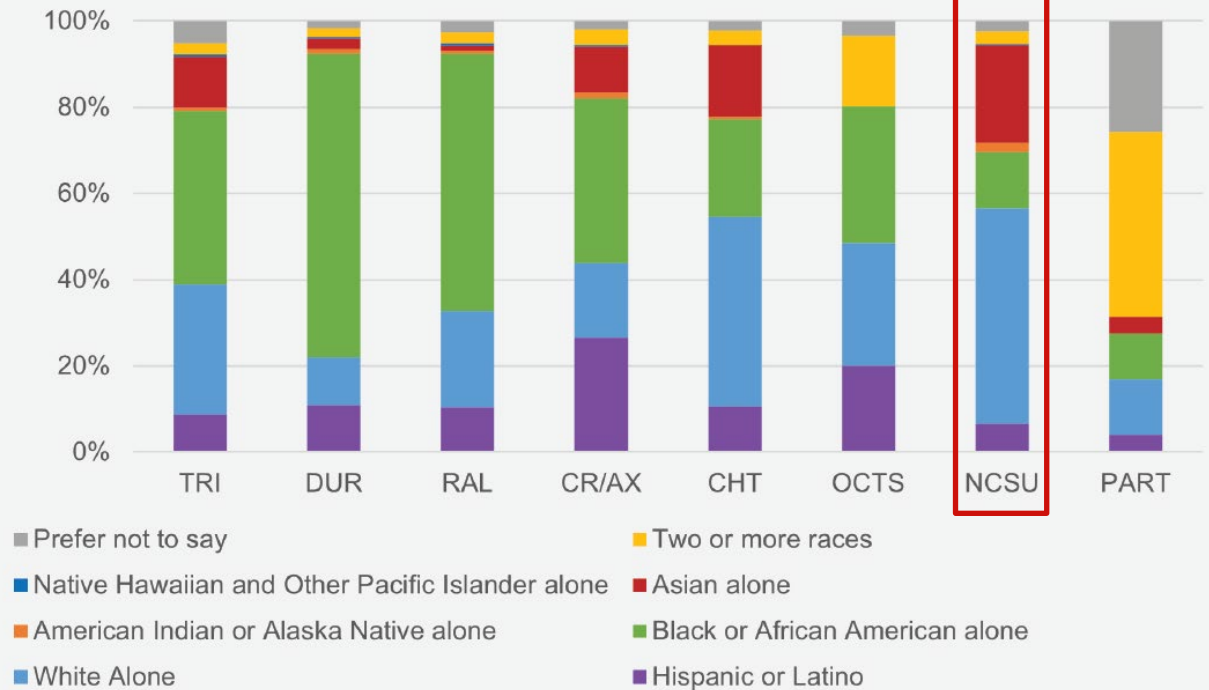


# WHO RIDES WOLFLINE? (2024 TRTS)

**Age**  
Individual Agencies



**Race and Ethnicity**  
Individual Agencies



## WOLFLINE GOVERNING SERVICE GUIDELINES

- Outlined in the terms and conditions of the Agreement between North Carolina State University and Transdev Services, Inc. together with service performance measures.
- Title VI: Wolfline is not required to produce a fare equity analysis.
- Federal Transit Administration (FTA) compliance

## TRANSDEV CONTRACT

- Aug, 2017 – July, 2029
- Fixed-route operations and maintenance
- Fleet
- Bus Operations and Maintenance Facility
- Current start pay: \$19.07/hour (CDL holders only)



# INTERCONNECTED SYSTEM

## CURRENT TRANSFER OPTIONS

- 5 regional routes (GoT: 100, 300, 305, CRX and DRX)
- 5 local routes (GoR: 4, 11, 11L, 12 and 27)

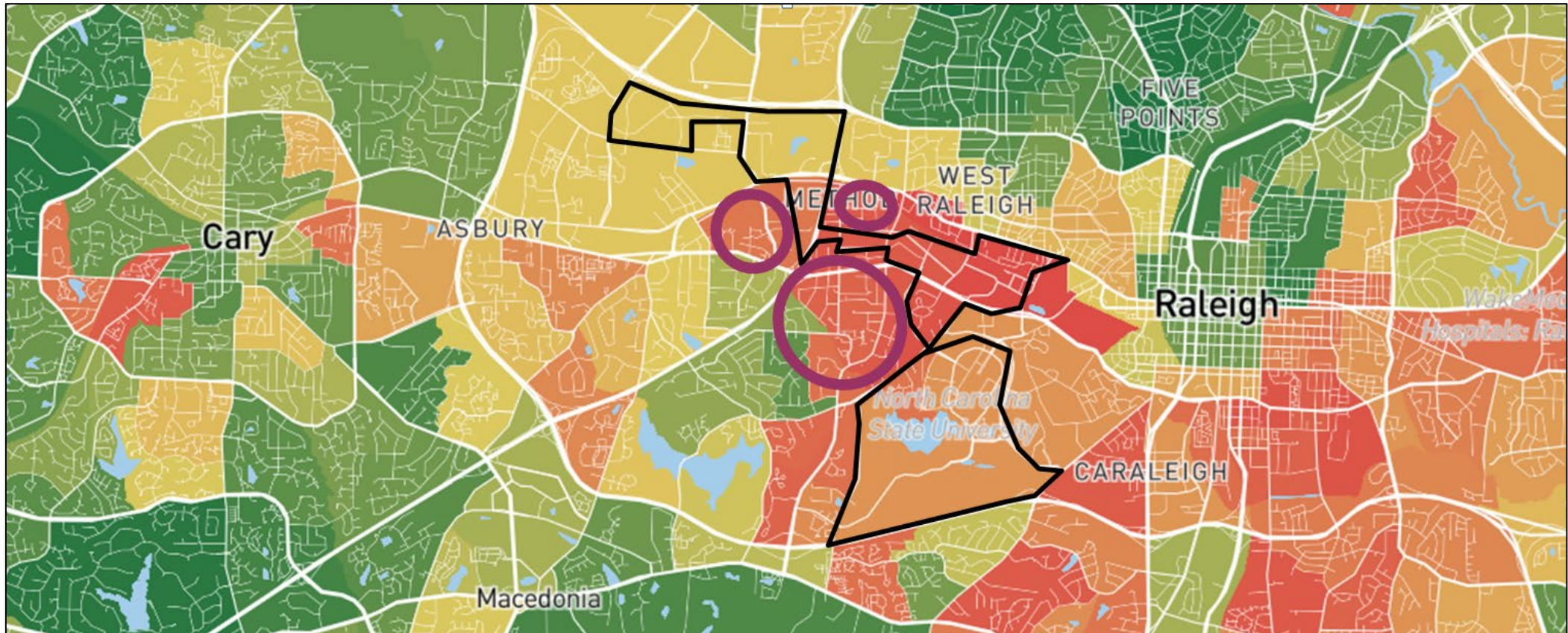
## ADDITIONAL FUTURE TRANSFER OPTIONS

- Increased frequency and connectivity along GoT Route 100X
- Increased GoR Route 11 frequency and Route 12 span
- New GoR 9 (Hillsborough St) and 16L (North Hills – NCSU) service
- New GoC 11 East Cary – NCSU Vet School)
- BRT / GoR enhanced transfer points



## LOW INCOME POPULATION

- Total student enrollment: 38,442
- Families <20% area average income: 4.3% = 1,653
- Adjacent to Reinvest neighborhoods





# NCSU TRANSPORTATION MASTER PLAN (2017)



Prepared for:  
**NC STATE UNIVERSITY**  
Prepared by: **Kimley»Horn** November 2017

## Key Transit Recommendations

- 1. Implement routing and schedule changes to increase efficiency ✓
- 2. Provide additional on-demand night service from 12 AM - 3 AM ✗
- 3. Create a simplified service plan ✓



Figures 2.1 and 2.2: Public outreach sessions at NC State



# NC STATE PHYSICAL MASTER PLAN (2023)



- Basic design guidance
- Generic transit hub identified in the Talley Student Union area

# NC STATE PHYSICAL MASTER PLAN (2023)

## Stops

Transit Stops are designed and located to serve passenger demand and to facilitate safe passenger loading and unloading. At certain locations, bus layovers are desirable to allow buses to get back on schedule. Strategically placed bus layovers increase the overall reliability of individual routes and the bus system as a whole.

## Architectural Standards

- In general, shelters shall be uniform to present a consistent identity.

## Site Standards

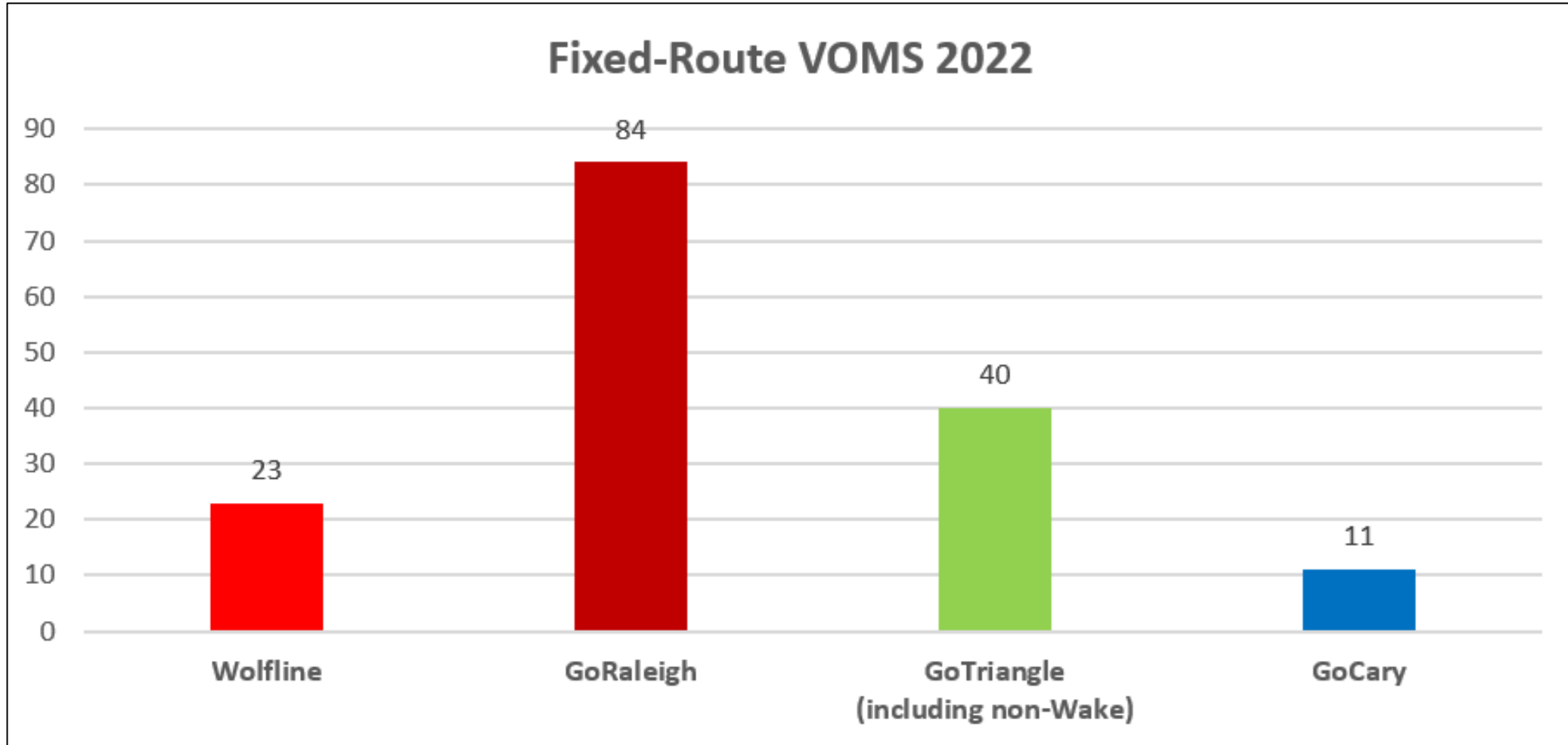
- Transit Stops are safe and accessible and are configured and sited so waiting space does not impede pedestrian flow.
- Transit Stops provide site amenities such as comfortable benches, recycling and landfill waste bins, route maps, wayfinding signage, and appropriate lighting.
- Transit Stops have clearly identifiable Wolfline signage with route number and route name.
- Bus Layovers are located away from buildings' fresh-air intakes and Exterior Hearths to reduce infiltration of fumes and noise. Seating is sited away from the source of exhaust fumes.



Transit Stop at Hunt Library on Centennial Campus Precinct

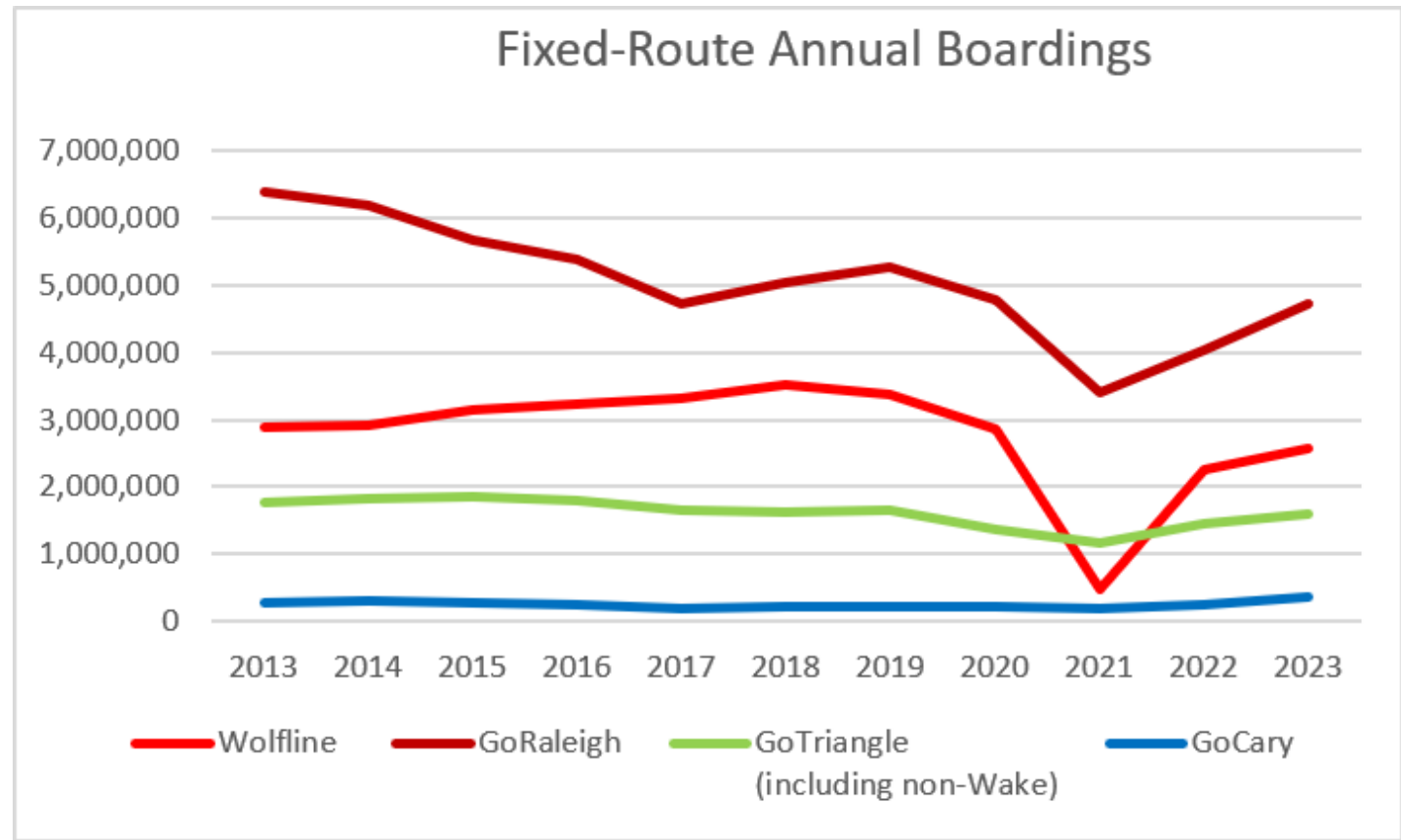


# VEHICLES OPERATED IN MAXIMUM SERVICE



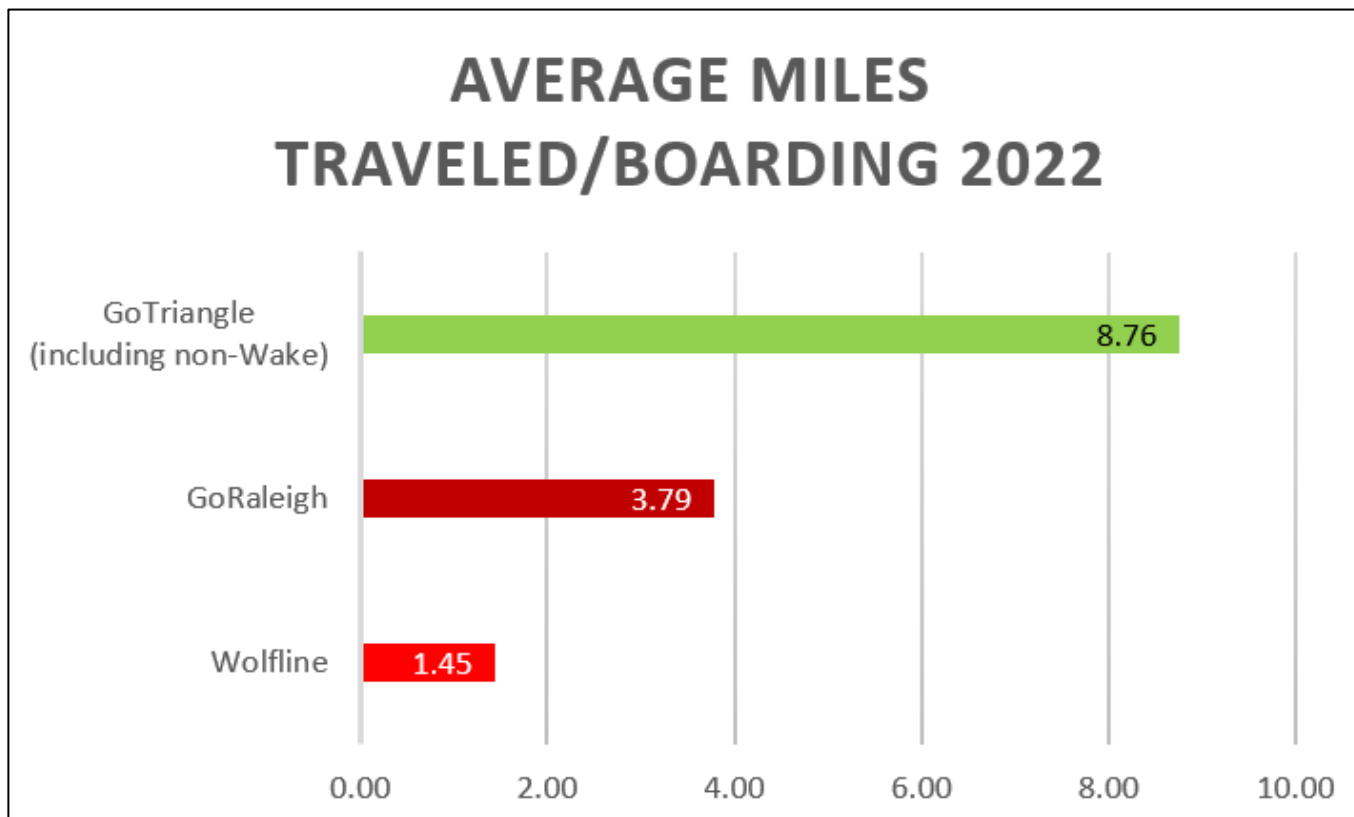
# SYSTEM RIDERSHIP

- FY23: 2,560,095 boardings (+13.8% over FY22)
- Still recovering: -27% from 2018 peak (10 less VOMS)



# PASSENGER MILES TRAVELED

	Wolfline	GoRaleigh	GoTriangle (including non-Wake)	GoCary
Fixed-Route PMT 2022	3,273,214	18,981,995	14,564,160	N/A on NTD



# OPERATING COST PER VEHICLE REVENUE HOUR / BOARDING / PASS. MILE

	Wolfline	GoRaleigh	GoTriangle (including non-Wake)	GoCary
Fixed-Route Cost/VRH 2022	\$ 115	\$ 114	\$ 198	\$ 110
Fixed-Route Cost/Boarding 2022	\$ 2.97	\$ 8.83	\$ 14.90	\$ 21.08
Fixed-Route Cost/Passenger Mile 2022	\$ 2.04	\$ 2.33	\$ 1.70	N/A on NTD

## RIDERSHIP BY STOP

	Boardings	Alightings	Total
<b>Average</b>	83	82	164
<b>Median</b>	28	29	56

**Top three stops** by average weekday boardings - with alightings and total activity (Fall 2022):

	Stop	Boardings	Alightings	Total
1.	Dunn Ave at Jeter Dr (Coliseum Parking Deck)	1,298	1,394	2,692
2.	Engineering II (Oval Dr)	1,229	1,047	2,276
3.	D.H. Hill Library (Founders Dr)	980	868	1,848



## BUS STOP INVENTORY

- Updated bi-annually (Last: April 2022)
- Spreadsheet format
- Includes: stop name, code, location, campus/off-campus, amenities status, accessibility, shared/not-shared, on/offers, improvement prioritization ranking
- 101 bus stops inventoried

## BUS STOP IMPROVEMENT METHODOLOGY

1. **Accessibility** - Unpaved stops prioritized over paved stops based on average daily activity (boardings+alightings).
1. **Amenities** - Paved stops prioritization based on average daily boardings only.

Internal funds only to be used for the improvement of stops on campus.

# BUS STOP IMPROVEMENTS 2023/2024

- 4 landing pads
- 8 simme seats
- 4 sets of trash cans
- 2 shelters





# BUS STOP IMPROVEMENTS 2023/2024

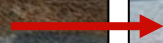
Shared Stop: Cates Ave at Jensen Dr



January 2024



February 2024



# LOW-COST OF BUS STOP IMPROVEMENTS ON CAMPUS

COST SUMMARY			
			<b>Varsity Dr at Avent Ferry Rd</b>
<b>Contractor-Owned Project Management (Owner+Supervisors)</b>		\$	426
<b>Subcontractor - Demo/Excavation/Concrete Work (Rowlands Backhoe Service, Inc)</b>			
	<i>Traffic control</i>	\$	900
	<i>Excavate grass strip and install compacted ABC stone base for new pavers</i>	\$	2,250
	<i>Backfill site and place seed and straw as needed for stabilization</i>	\$	1,200
	<i>Remove spoils from site</i>	\$	550
<b>Subcontractor - Brick Pavers (Fred Adams Paving)</b>		\$	3,650
<b>Subcontractor Markup (16%)</b>		\$	1,368
<b>Quoted TOT Materials+Labor+Subcontractor Markup</b>		\$	9,918
<b>TOTAL Programmed</b>		\$	<b>10,344</b>
<b>Actual billing from CJF Contracting</b>		88%	\$ 9,078
Facilities Project Management Cost		\$	908
<b>Actual TOT Including Facilities PM expenses</b>		\$	<b>9,986</b>
<b>Facilities and Administration (F&amp;A) Overhead</b>		\$	3,355.37
<b>Actual TOT + F&amp;A</b>		\$	<b>13,341.37</b>

**BASIC BUS STOP**

**ELEMENTS:**  
 Bus stop sign  
 Paved boarding area  
 Sidewalk connection  
 Street lighting

**APPROXIMATE COST:**  
\$20,000-\$25,000

**MODE:**  
 Bus

**TYPICAL RIDERSHIP:**  
 Fewer than 25 daily passenger boardings

The illustration shows a red bus stop sign on a pole to the left of a paved boarding area. A person in a wheelchair is shown sitting on the paved area. The background is a light blue sky with a white cloud and a green ground area.



# SHARED STOPS

- 16 stops shared with GoRaleigh
- 9 stops shared with GoTriangle
- On average, 84% of the daily activity is associated with Wolfline customers (FY22 data)

Stop Name	Wolfline boardings	Wolfline daily activity	GoR boardings	GoR activity	GoTriangle boardings	GoTriangle activity	Total boardings	Total activity
Gorman St at Graduate Ln	60	122	11	18			71	140
Gorman St at Conifer Dr (Parkwood Village Apts)	38	78	20	30			58	108
Cates Ave at Jensen Dr	11	43	4	8			15	51
Hillsborough St at Meredith College (inbound)	7	8	8	3	7	12	22	23
Hillsborough St at Turner St	2	3	2	3	4	7	8	13
Hillsborough St at Meredith College (outbound)	0	0	3	8	5	13	8	21
Morrill Dr at Carmichael Gym	934	1077	103	146			1037	1223
Dunn Ave at Jeter Dr (Coliseum Parking Deck)	438	827	28	56			466	883
Hillsborough St at NCSU Belltower	156	189	13	18	5	11	174	218
Avent Ferry Complex	64	161	15	28			79	189
Morrill Dr at Faucette Dr	37	67	5	8			42	75
Morrill Dr at Cates Ave (Northbound)	25	821	31	110			56	931
Hillsborough St at Brooks Ave	19	116	13	34	48	65	80	215
Hillsborough St at Enterprise St (North Hall)	11	152	7	26	4	11	22	189
Hillsborough St at Friendly Dr	4	9	8	13	6	13	18	35
Hillsborough St at Shepherd St	3	3	2	5	1	3	6	11
Hillsborough St at Horne St (WB)	0	0	15	25	7	19	22	44



# FY25 BUS STOP IMPROVEMENTS REQUEST

Stops prioritized for funding:

- Dunn Ave at Jeter Dr
- Dan Allen Dr at Bragaw Hall

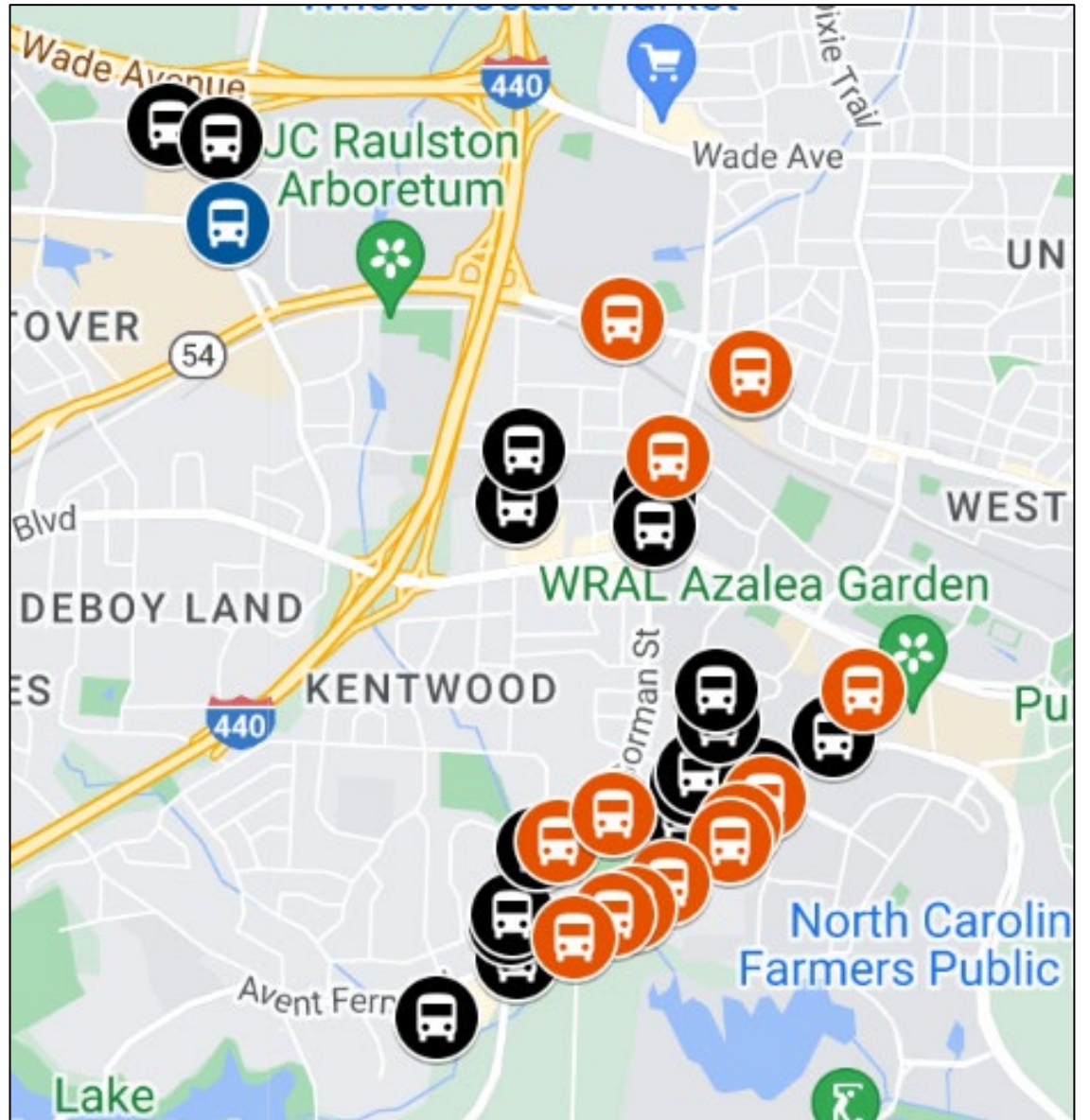
WT Service Level Standards will be applied.





## OFF-CAMPUS STOPS

- 35% total
- 33 stops (15 shared)
- 68% unpaved (vs 10% on-campus) - see map.





# CURRENT BOMF

- 6514 Chapel Hill Rd
- Acreage: 1.81
- Employee parking: 37 spaces
- Bus parking: 40 spaces
- Maintenance bays: 2
- Office footprint: 5,700 sq ft





# BOMF – VISION GOALS

- Short-term goal: ensure seamless BOMF availability
- Long-term goal: relocate to an improved and expanded Wolfline BOMF



# INTERNAL NEEDS ASSESSMENT STUDY FOR FUTURE BOMF

- Min. acreage: 3 (excluding fleet electrification needs)
- Employee Parking: 50 spaces
- Bus Parking: 35 spaces
- Maintenance Bays: 3
- Office footprint: 7,000 sq ft
- Suitable for fleet electrification

## Reference Wake Transit policy documents:

1. Guidelines for Eligibility of Wake Transit Funding for Locally Administered Planning Efforts
2. Project Prioritization and Reprogramming Guidance
3. Community Engagement Policy
4. Policy Framework for Use of Wake Transit Funds to Acquire Real Property

## RECENT PASSENGER SURVEYS

- Triangle Region Travel Survey, 2023 (NCDOT, MPOs, GoTriangle)
- Employee Commuter Survey, 2023 (Central Pines Regional Council)
- Student Commuter Survey, 2023 (Central Pines Regional Council)
- Multiple Faculty/Staff and Student Surveys, 2023 (NCSU, Institutional Strategy and Analysis office)
- Customer satisfaction baseline (2016) – match between current and prior efforts to be verified



## WOLFLINE COSTS AND FUNDING SOURCES

- Student Transit Fee: 88%
- CoR-NCSU Agreement: 6%
- Parking Revenue Subsidy: 6%

Parking Subsidy to Transit with \$4 increase in FY24-25, FY26-27, and FY28-29

Year	Total Transit Expense	Student Fee Revenues	CoR-NCSU Agreement	Parking Subsidy
FY17-18	\$7,601,566	\$5,557,500	\$400,000	\$1,644,066
FY18-19	\$7,671,025	\$6,050,140	\$400,000	\$1,220,885
FY19-20	\$7,675,863	\$5,935,220	\$400,000	\$1,340,643
FY20-21	\$5,980,035	\$5,832,333	\$450,000	(\$302,298)
FY21-22	\$6,691,181	\$6,194,384	\$450,000	\$46,797
FY22-23	\$7,331,497	\$6,421,357	\$450,000	\$460,140
FY23-24	\$7,492,253	\$6,793,912	\$450,000	\$248,341
FY24-25	\$7,535,483	\$7,069,012	\$450,000	\$16,471
FY25-26	\$7,735,717	\$7,222,140	\$450,000	\$63,577
FY26-27	\$7,817,681	\$7,418,840	\$450,000	(\$51,159)
FY27-28	\$7,953,745	\$7,487,966	\$450,000	\$15,779
FY28-29	\$8,037,403	\$7,621,966	\$450,000	(\$34,563)

Projected

# DETERMINATION OF BASELINE

<i>Summary of Existing Funds for Public Transportation Systems in Wake County</i>								
	GoTriangle	Town of Cary	City of Raleigh	Wake County (TRACS)	Wake Forest	Wendell	Knightdale	Zebulon
FY 2016 Operating Baseline Expenditure	\$ 6,591,568	\$ 3,531,656	\$ 25,111,968	\$ 5,201,334	\$ 280,179	\$ 3,000	\$ 17,972	\$ 5,516
<b>FY 2016 Operating Baseline Expenditure Allocated by Revenue Source</b>								
Federal	\$408,820	\$1,551,645	\$ -	\$139,648	\$ -	\$ -	\$ -	\$ -
State	\$782,793	\$290,715	\$2,650,401	\$730,599	\$ -	\$ -	\$ -	\$ -
Local	\$4,054,891	\$1,352,528	\$17,103,097	\$ -	\$ 280,179	\$3,000	\$17,972	\$5,516
Farebox	\$584,410	\$336,768	\$4,330,379	\$74,884	\$ -	\$ -	\$ -	\$ -
Other	\$760,654	\$ -	\$1,028,091	\$4,256,203	\$ -	\$ -	\$ -	\$ -
<b>Total Allocated Revenue</b>	<b>\$ 6,591,568</b>	<b>\$ 3,531,656</b>	<b>\$ 25,111,968</b>	<b>\$ 5,201,334</b>	<b>\$ 280,179</b>	<b>\$ 3,000</b>	<b>\$ 17,972</b>	<b>\$ 5,516</b>
<b>Revenue Hours</b>								
Fixed Route	40,008	35,879	212,715	0	0	0	0	0
Demand Response	16,829	24,736	468,427	118,545.84	0	0	0	0
Vanpool	8,413	0	0	0	0	0	0	0
Contracted Services	7,827	0	0	0	0	0	0	0
<b>Total Revenue Hours</b>	<b>73,077</b>	<b>60,615</b>	<b>681,142</b>	<b>118545.84</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
	GoTriangle	Town of Cary	City of Raleigh	Wake County (TRACS)	Wake Forest	Wendell	Knightdale	Zebulon
Capital Baseline Expenditure (FY 2012 - FY 2016 Annual Average)	\$ 949,036	\$ 114,679	\$ 7,249,124	\$ 509,545	\$ 1,429	\$ 989	\$ -	\$ -
<b>Capital Baseline (FYs 2012 - FY 2016 Annual Average) Allocated by Revenue Source</b>								
Federal	\$ -	\$ 86,642	\$ 5,759,658	\$ 98,993	\$ -	\$ -	\$ -	\$ -
State	\$ -	\$ -	\$535,240	\$253,282	\$ -	\$ -	\$ -	\$ -
Local	\$673,667	\$26,127	\$954,226	\$ -	\$ 1,429	\$ 989	\$ -	\$ -
Farebox	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Other	\$275,369	\$1,910	\$ -	\$157,269	\$ -	\$ -	\$ -	\$ -
<b>Total Allocated Revenue</b>	<b>\$ 949,036</b>	<b>\$ 114,679</b>	<b>\$ 7,249,124</b>	<b>\$ 509,545</b>	<b>\$ 1,429</b>	<b>\$989</b>	<b>\$ -</b>	<b>\$ -</b>

NCSU?





# DETERMINATION OF BASELINE

- City of Raleigh MoU:  
\$350,000
- Student Transit Fee:  
\$4,922,118
- Parking Revenue:  
\$521,273

Summary of Wolfline FY16 Baseline Funds	
<b>FY16 Operating Baseline Expenditure Allocated by Revenue Source</b>	
Federal	0
State	0
Local	350,000
Farebox	0
Other	5,443,391
<b>Total Allocated Revenue</b>	<b>5,793,391</b>
<b>Revenue Hours</b>	
Fixed Route	72,245
Demand Response	0
Vanpool	0
Contracted Services	0
<b>Total Revenue Hours</b>	<b>72,245</b>
<b>Capital Baseline Expenditure (FY2012 - FY2016 Annual Average) Allocated by Revenue Source</b>	
Federal	0
State	0
Local	0
Farebox	0
Other	0
<b>Total Allocated Revenue</b>	<b>0</b>

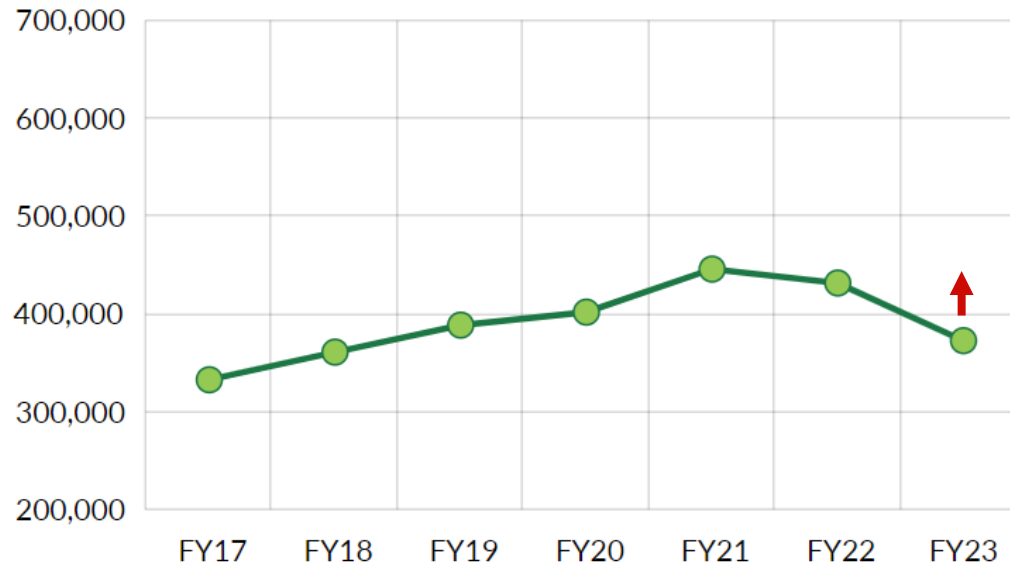
# WAKE TRANSIT PERFORMANCE TRACKER

## FIXED-ROUTE SERVICE HOURS - WOLFLINE IMPACTS

**GOAL** Increase the amount of fixed-route service hours



Annual total of fixed-route vehicle revenue hours



**+61,533 = 435,128 VRH (+16.5%)**

# WAKE TRANSIT PERFORMANCE TRACKER

## FREQUENT SERVICE NETWORK - WOLFLINE IMPACTS

**GOAL** Increase the frequent service network from 17 miles to 99 miles ? ↻ 📄

Current number of route miles on the frequent network



**+45 Miles with Wolfline (9 Off-Campus) = 66 Miles**

## WAKE TRANSIT BUS PLAN SERVICE GUIDELINES AND PERFORMANCE MEASURES

- NC State will work with TPAC members to perform a service evaluation of its system based on the route classification, transit service design and service level standards.
- Wolfline will strive to align its vision, goals, service standards and public engagement practices to those of the GoForward transit partners.

**QUESTIONS?**

## 8. Introduction to NC State's Wolfline Transit System

Requested Action:

Receive as Information



# 9. TPAC Subcommittee Update

## Upcoming Subcommittee Meetings:

\*Modified Meeting Schedule

Subcommittee	Program Development	Community Engagement
Chair(s)	Caleb Allred, Town of Morrisville	R. Curtis Hayes, GoTriangle
Vice Chair(s)	Shavon Tucker, City of Raleigh	Andrea Epstein, City of Raleigh
Next Meeting	*Tuesday, 4/30 (1:30-3:30pm)	*Tuesday, 4/16 (9:30am-12pm) *Thursday, 4/25 (1:30-3:30pm)

## 15. Workgroup Updates

- Fare Workgroup (Michelle Peele)
- Technology Workgroup (Michelle Peele)
- Financial Policies Workgroup (Paul Kingman)
  - Meeting Summary – Attachment D
- Baseline Workgroup (Ben Howell)
- Safety & Security Workgroup (Ben Howell)

# 15. Other Business

- Reminder that the Train-The-Trainer workshop for Wake Transit Plan Update, Phase 1 engagement activities will take place at the CE meeting on April 25<sup>th</sup>. This event should be attended by your agency's communications and engagement staff who will be responsible for sharing information to your community members in addition to regular CE members.
- **Any news or updates from partners?**

# 13. Adjourn

## Next TPAC Meeting:

The next TPAC meeting will be held In-Person at CAMPO  
on Wednesday, May 15, 2024