



NC Capital Area **Metropolitan Planning Organization**

# **Technical Coordinating Committee Meeting**

**May 2, 2024**

**10:00 AM**

# 1. Welcome and Introductions

## 2. Adjustments to the Agenda

Item 5.4 Amendment #4 to FY2024-2033 Transportation Improvement Program (TIP) was added to the agenda.

### 3. Public Comments

*This is an opportunity for comments by those in attendance. Please limit comments to three (3) minutes for each speaker.*

## 4. Minutes

### 4.1 TCC Meeting Minutes: April 4, 2024

#### Requested Action:

**Approve the April 4, 2024 Meeting Minutes.**

## 5. Regular Business

5.1 Triangle Regional Transit Survey 2023

5.2 Morrisville Parkway Access Management Study Recommendations

5.3 FY 2024 4th Quarter Wake Transit Work Plan Amendment Request

5.4 Amendment #4 to FY2024-2033 Transportation Improvement Program (TIP)

5.5 NC 540 (R-2829) Bonus Allocation Programming

5.6 TCC Bylaws Amendments & Updates

5.7 CAMPO – DCHC MPO Planning Area Agreement

# 5.1 Triangle Regional Transit Survey 2023



# TRIANGLE REGIONAL TRANSIT SURVEY

*CAMPO Technical Coordinating Committee*



May 2, 2024



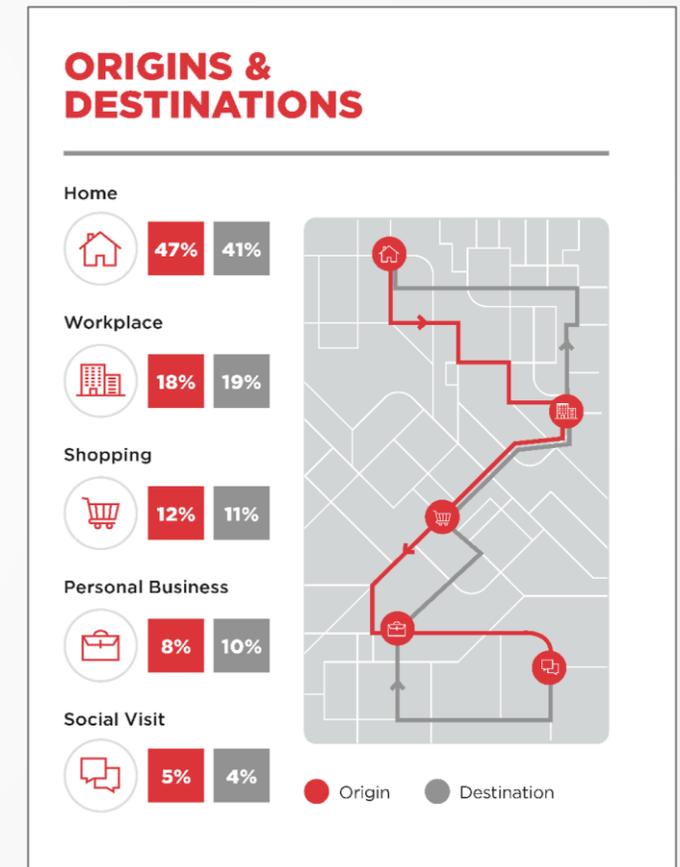
# Briefing Overview

- Survey Highlights (10 min)
- Dashboard (5 min)
- Questions (5 min)

# Differences between Surveys

- Origin-Destination (OD) Survey – *typically every five years*
  - Records detailed characteristics of individual trips
  - Geocodes rider and trip information
  - Reflects representative random sample
- Customer Satisfaction Survey (CPS) - *typically annual*
  - Collects user perspectives on safety, driver courtesy, bus stops, amenities and service (such as frequency).

• **Both surveys collect demographic information and other rider characteristics**



# All Systems OD Survey Highlights



## SURVEY

*October 2 - November 30, 2023*



**9,892** surveys  
completed



**9** transit  
agencies



**15%** of  
riders surveyed



**112** routes  
surveyed



Met or exceeded sampling targets for select  
agency routes – **AVERAGE OF 121%**

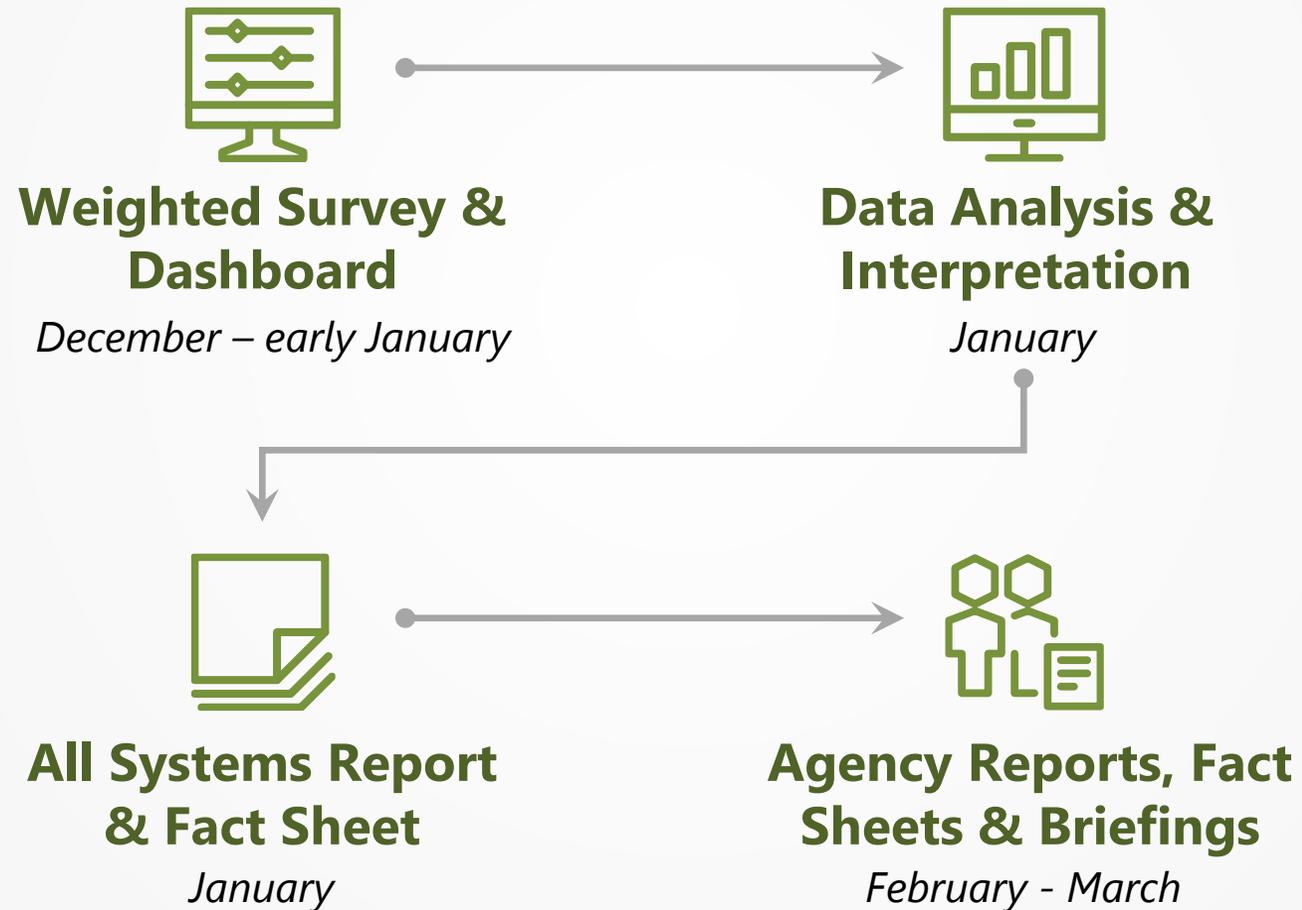


Participation  
Rate – **70%**

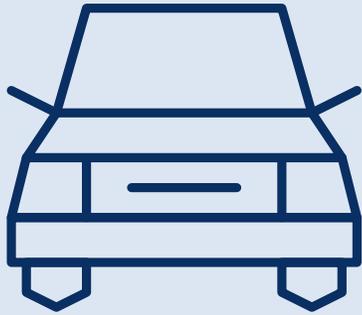


**On to off (O2O) surveys** on over **40 ROUTES**  
with additional data used for weighting/expansion

# All Systems Survey Process

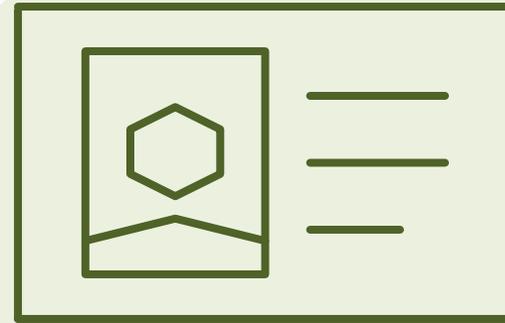


# All Systems Survey Highlights



**27%**

Own a car which they  
could have used to  
complete this trip



**42%**

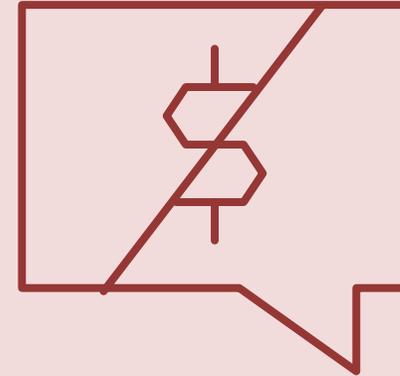
Without a driver's  
license

# All Systems Survey Highlights



**34%**

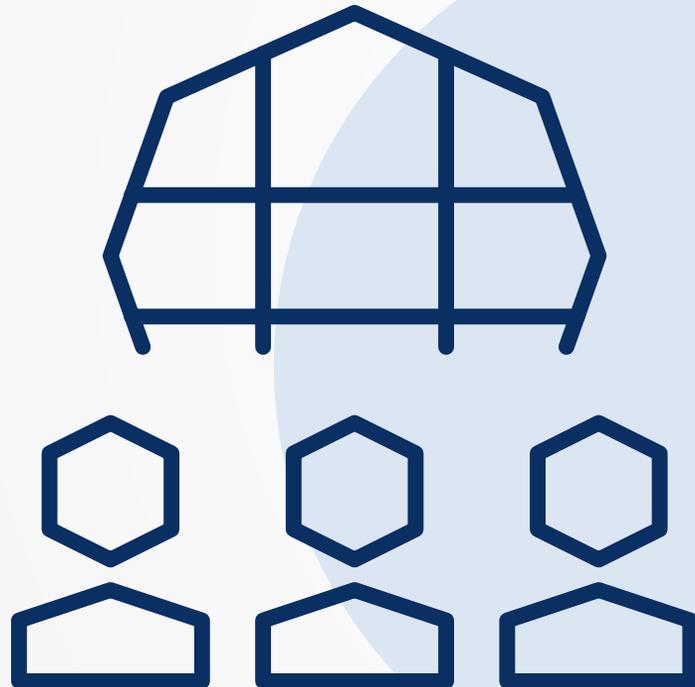
Household income  
less than \$25,000



**30%**

Refused to disclose  
their income

# All Systems Survey Highlights



**63%** Between 18-34  
years old

**43%** African American  
riders

**30%** White  
riders

# All Systems Survey Highlights

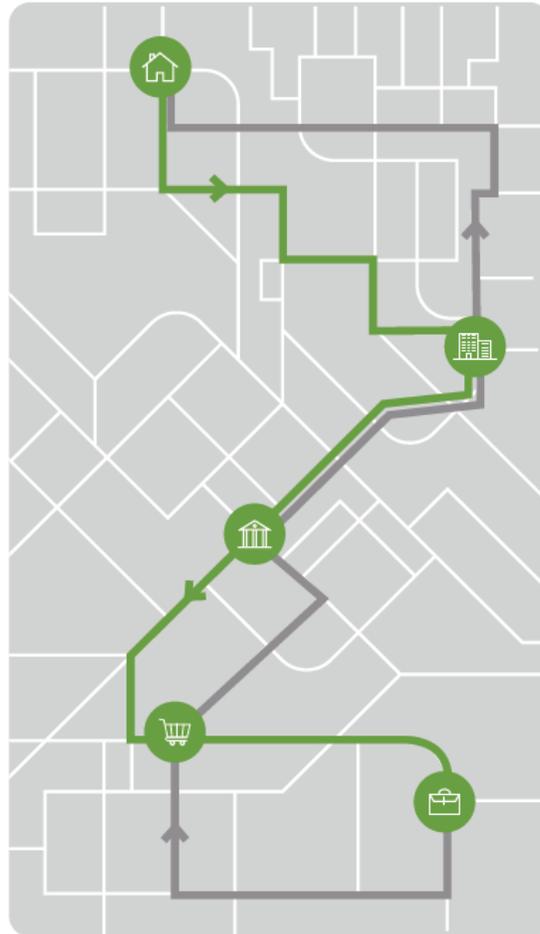


**47%**

Home as origin

**40%**

Home as destination



**15%**

Work as origin

**16%**

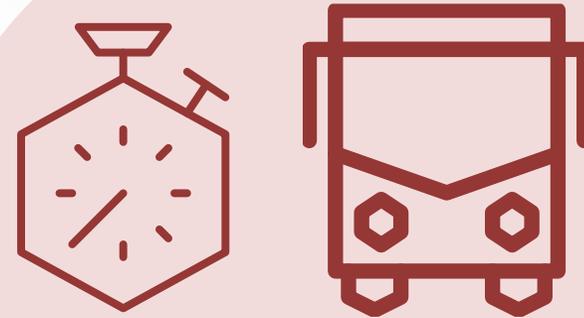
Work as destination

# All Systems Survey Highlights



**Over 90%**

Walk to cover the distance  
between the bus stop and  
origin/destination



**Over 70%**

Cover the origin/destination  
to bus stop distance  
between 1 to 5 minutes

# Total Survey Collection

## Survey Collection Summary by System:



<i>Agencies</i>	<i>Surveys Collected</i>	<i>Collection Goal</i>	<i>Completion Percentage</i>
<b>GoRaleigh</b>	<b>2032</b>	<b>1627</b>	<b>125%</b>
<b>GoTriangle</b>	<b>1352</b>	<b>1173</b>	<b>115%</b>
<b>GoCary/GoApex</b>	<b>177</b>	<b>109</b>	<b>163%</b>
<b>Wolfline (NCSU)</b>	1799	1548	116%
<b>GoDurham</b>	2819	2483	114%
<b>Chapel Hill Transit</b>	1669	1181	141%
<b>Orange Co. Transit</b>	22	27	83%
<b>*PART</b>	22	12	178%
<b>Total</b>	<b>9892</b>	<b>8159</b>	<b>121%</b>

\*Piedmont Authority for Regional Transportation

# Trip Characteristic Trends (2015-2023)

## Origin/Destination

### Top Origins and Destinations

GoRaleigh

GoTriangle

GoCary

Wolfline

Total



Home

Origin

-5.3%

-11.3%

-13.7%

-5.0%

-8.8%

Destination

6.6%

3.8%

8.4%

11.6%

7.6%



Work

Origin

0.6%

-5.5%

-12.3%

1.2%

-4.0%

Destination

-6.0%

-12.3%

-7.2%

-0.1%

-6.4%



Shopping

Origin

2.7%

2.9%

9.3%

-0.6%

3.6%

Destination

-0.2%

2.9%

-3.2%

-2.7%

-0.8%

# Time of Day Trends (2015-2023)

Time of Day	GoRaleigh	GoTriangle	GoCary	Wolfline	Total
<b>AM</b> (before 9:00 am)	<b>-12.3%</b>	<b>-20.0%</b>	<b>-8.9%</b>	<b>-10.2%</b>	<b>-12.8%</b>
<b>Midday</b> (9:00 am – 3:29 pm)	<b>6.7%</b>	<b>21.3%</b>	<b>-0.7%</b>	<b>4.5%</b>	<b>7.9%</b>
<b>PM</b> (3:30 pm – 6:29 pm)	<b>-0.7%</b>	<b>-7.6%</b>	<b>5.8%</b>	<b>0.7%</b>	<b>-0.4%</b>
<b>Evening</b> (after 6:30 pm)	<b>6.3%</b>	<b>6.3%</b>	<b>3.8%</b>	<b>5.0%</b>	<b>5.3%</b>

# Deliverables Snapshot



## All Systems Report

PREPARED FOR

GO Raleigh GO Triangle GO Cary GO Durham WOLFLINE

Chapel Hill transit CAMPO DCHC ORANGE COUNTY NORTH CAROLINA PART

2024  
All Systems Report

# TRIANGLE REGIONAL TRANSIT SURVEY



PRESENTED BY  
CAMBRIDGE SYSTEMATICS Planning Communities

## GoRaleigh Agency Report

GO Raleigh

FEBRUARY 2024  
GoRaleigh Agency Report

# TRIANGLE REGIONAL TRANSIT SURVEY



PREPARED BY  
CAMBRIDGE SYSTEMATICS Planning Communities ETC INSTITUTE

## GoTriangle Fact Sheet

GO Triangle

GoTriangle Highlights  
**TRIANGLE REGIONAL TRANSIT SURVEY 2023**

GoTriangle coordinated with other transit agencies in the Triangle to participate in a survey in Fall 2023 to collect data on demographics and trip characteristics for bus riders throughout Wake, Orange, and Durham Counties. The survey results will help GoTriangle and other agencies identify needs and plan for improvements in regional transit service delivery. Survey results will inform local transit plans, development of future rail and bus rapid transit corridors, and regional travel demand modeling and multimodal transportation plans.



**KEY STATS & FACTS**

- >88% walk to the bus stop from their origin
- 91% walk from the bus to their destination
- In-system transfers: 48% of riders transfer buses, 18% make 2 or more bus transfers
- 23% of riders surveyed | 15 routes surveyed | 1,352 surveys completed

**ORIGINS & DESTINATIONS**

Origin	Destination
Home: 45%	42%
Workplace: 24%	26%
College / University: 9%	8%
Personal Business: 6%	5%
Shopping: 4%	5%



● Origin ● Destination

# Dashboard



<https://etcinstitute.com/triangle-wake-county-nc-transit-portal/>

**ETC INSTITUTE** | About Solutions Research Resources Start the conversation

Origin-Destination Interviews Report Boarding to Alighting Counts Summary

## Origin-Destination Interviews Report

Direction Finder 2.0

HOMEPAGE

MAPPING ORIGIN-DESTINATION  
Access maps showing Origin/Destination info.

MAPPING BOARDING-ALIGHTING  
Access maps showing ridership info.

TREND DATA NEXT SURVEY

MAPPING RESULTS

**GO Raleigh**  
**GO Triangle**  
**GO Cary**  
**GO Durham**  
**Chapel Hill transit**

**Triangle Regional Public Transportation**  
**Transit On-Board Survey**

Unlinked/Linked Expansion Results

Microsoft Power BI | Pages

**ETC INSTITUTE** | About Solutions Research Resources Start the conversation

## Boarding to Alighting Counts Summary

Phone: 913.254.4584 info@etcinstitute.com www.etcinstitute.com WakeCounty Transportation Web

Counts Miles Boarding Alighting Trips Chord Sankey Maps

### Ride Time of Route Table

Route Name	Count of Route Name	Average of Travel Minutes
1 Capital Blvd	555	19.82
1: Northgate - N. Poite - Guess Rd	240	18.23
10 Longview	14	11.70
10: Chpl Hill Rd - S. Square - New Hope	392	55.04
10B: Chpl Hill Rd - S. Square - Shannon	98	15.86
11 Avert Ferry	59	14.00
11: W. Main - Duke/VA - Hillsborough	56	18.91
11B: W. Main - Duke/VA - Constitution	259	16.12
12: E. Main St - NCCU - Southpoint	509	28.77
12B: NCCU - NC 54 / 55 - Durham Station	117	23.44
13 Chavis Heights	12	7.49
15 WakeMed	561	18.12
16 Oberlin	13	22.75
17 Rock Quarry	71	18.52
18 Poole-Barwell	40	18.89
19 Apollo Heights	180	14.65
2 Falls of Neuse	100	20.80
20A Garner	115	15.41
20B Garner	45	16.64
21 Caraleigh	216	14.20
<b>Total</b>	<b>12555</b>	<b>17.36</b>

### Ride Time of Route

Direction: All County: All Trip Type: All

Count of Route Name (Blue bars) Average of Travel Minutes (Black dots)

Route Name

Microsoft Power BI | 1 of 8

## 5.1 Triangle Regional Transit Survey 2023

Requested Action:  
Receive as information.

## 5.2 Morrisville Parkway Access Management Study Recommendations

# Morrisville Parkway Access Management Study

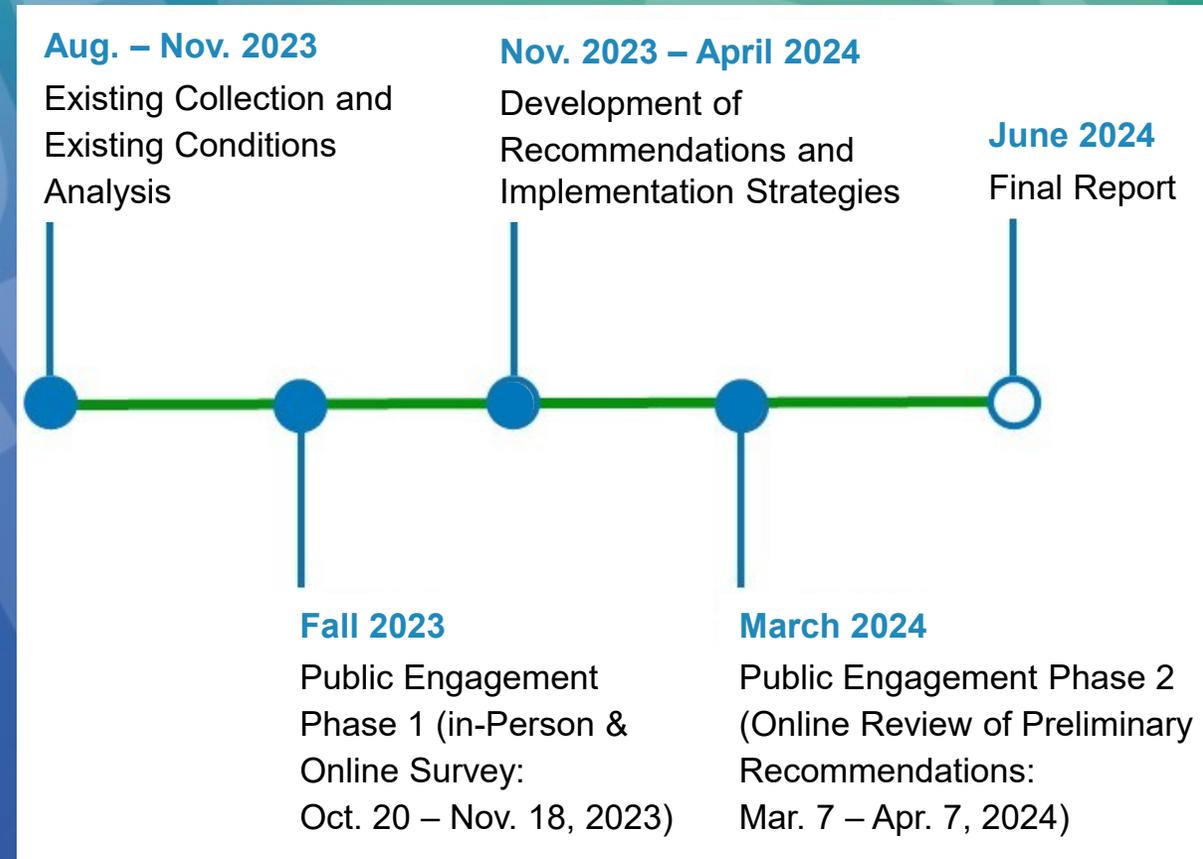
## Recommendations



# Introduction

- The goal of this study is the development of an access management strategy for Morrisville Parkway to evaluate curb cuts, intersection safety, and multi-modal connectivity
- The corridor was identified as a high priority in the Town of Morrisville's 2019 Comprehensive Transportation Plan (CTP).
- This study is examining:
  - Median openings
  - Access controls
  - Signage
  - Signalization
  - Intersection operations
  - Multimodal connectivity along and across the corridor
  - Speed limits
  - Traffic calming opportunities
- The recommendations will incorporate public input in addition to collected data and traffic analyses.

## Project Timeline



# Schedule

Task	2023					2024					
	Aug	Sept	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	June
<b>Task 1: Project Management, Meetings, and Coordination</b>											
Task 1.a: Project Coordination and Meetings	PMT	PMT	PMT/TSC	PMT	PMT/TSC	PMT	PMT	PMT	PMT/TSC	PMT	PMT
CAMPO TCC/Executive Board Presentations										TCC/Board	
Town of Morrisville Informational Presentations/Endorsement										Council	Council
<b>Task 2: Data Collection and Existing Plans Review</b>											
Task 2.a: Obtain Available Data and Plans											
Task 2.b: Collect Traffic Count Data											
Task 2.c: Base Mapping											
Task 2.d: Crash Analysis											
<b>Task 3: Existing Conditions Assessment</b>											
Task 3.a: Volume Development											
Task 3.b: Traffic Capacity Analysis											
Task 3.c: Traffic Safety Analysis											
Task 3.d: Field Safety Assessment											
<b>Task 4: Recommendations to Address Morrisville Parkway</b>											
Task 4.a: Identify Safety and Operational Strategies											
Task 4.b: Identify Transportation Infrastructure Strategies											
<b>Task 5: Implementation Strategies and Plan for Recommendations</b>											
Task 5.a: Conceptual Roadway Designs											
Task 5.b: Estimate Probable Costs											
Task 5.c: Prepare Implementation Strategy											
<b>Task 6: Public Outreach and Engagement Strategy</b>											
Task 6.a: Develop and Deploy Public Involvement Plan											
Task 6.a: Public Input Meeting			In Person								
Task 6.b: Public Engagement Online Survey/Recommendations			Survey					Recommendations			
<b>Task 7: Draft and Final Documentation</b>											
Task 7.a: Complete Plan and Report											
Task 7.b: Present Final Plan											

# Technical Steering Committee

## Roles and Expectations

- Provide perspective on area changes or projects that could affect the study
- Provide technical expertise and ensure that the study is conducted effectively
- Ensure that the study aligns with community goals, plans and policies
- General oversight to ensure that the project adheres to technical standards
- Three meetings planned throughout the duration of study



# Public Involvement Summary

- **Phase 1: Document and Assess Existing Conditions**
  - Past Community Events
    1. Trick-or-Treat the Trail - October 21, 2023
    2. Pop-up event at Morrisville Aquatic and Fitness Center - November 7, 2023
  - Survey
    - 164 total responses
    - Received feedback about safety and traffic for all modes including pedestrians, cyclists, vehicles, and transit

**Morrisville Parkway Access Management Study**

The Town of Morrisville is partnering with the Capital Area Metropolitan Planning Commission (CAMPO) to complete an access management study for the two-mile section of Morrisville Parkway between Davis Drive and NC 24 (Chapel Hill Road). The corridor will be evaluated for general safety improvements associated with access management for vehicles, cyclists, and pedestrians.

**We want to hear from you!**  
The purpose of this survey is to understand the existing conditions of the study corridor from the community perspective. The survey consists of eight questions and should take you about five to ten minutes to complete. The survey is open from October 20, 2023 to November 30, 2023.

**1 Please check all of the options that apply to you.**

- I live, work, and/or attend school in the Town of Morrisville
- I am a regular or occasional user of transit services
- My primary language is English or I speak and read English well
- I am 17 years old or younger
- I am 18-24 years old
- I am 25-44 years old
- I am 45 years old or older
- I identify as a woman
- I identify as a man
- I identify as non-binary, or other gender
- I am or am considered to be disabled
- I live or more people live in my household
- My household's total income is at or above \$75,000 per year
- I am of Hispanic, Latino or Spanish origin
- I represent a minority race or 2+ race (American American, Asian, South Asian, American Indian, Alaska Native, Black or African American, Native Hawaiian or Other Pacific Islander)

**2 How often do you travel along the corridor? Select all that apply.**

	Daily	Weekly	Monthly
Drive	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Bike	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Walk	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Transit	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

**3 What is the purpose of your travel? Select all that apply.**

- Work
- School
- Shopping / Errands
- Leisure / Recreation
- Other (please specify)

**4 How would you describe the volume of traffic along the corridor?**

- Congested
- Moderate
- Clear

**5 Do you feel safe and secure when travelling along the corridor? Select all that apply.**

	Very safe	Somewhat safe	Somewhat unsafe	Very unsafe
Drive	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Bike	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Walk (Pedestrian)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Walk (Stroller)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Transit	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

**6 Do you have suggestions or preferences for improving traffic flow, safety, or access along the corridor for:**

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

**7 Is there anything else you would like to add?**

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

**8 How did you find out about this survey? Select all that apply.**

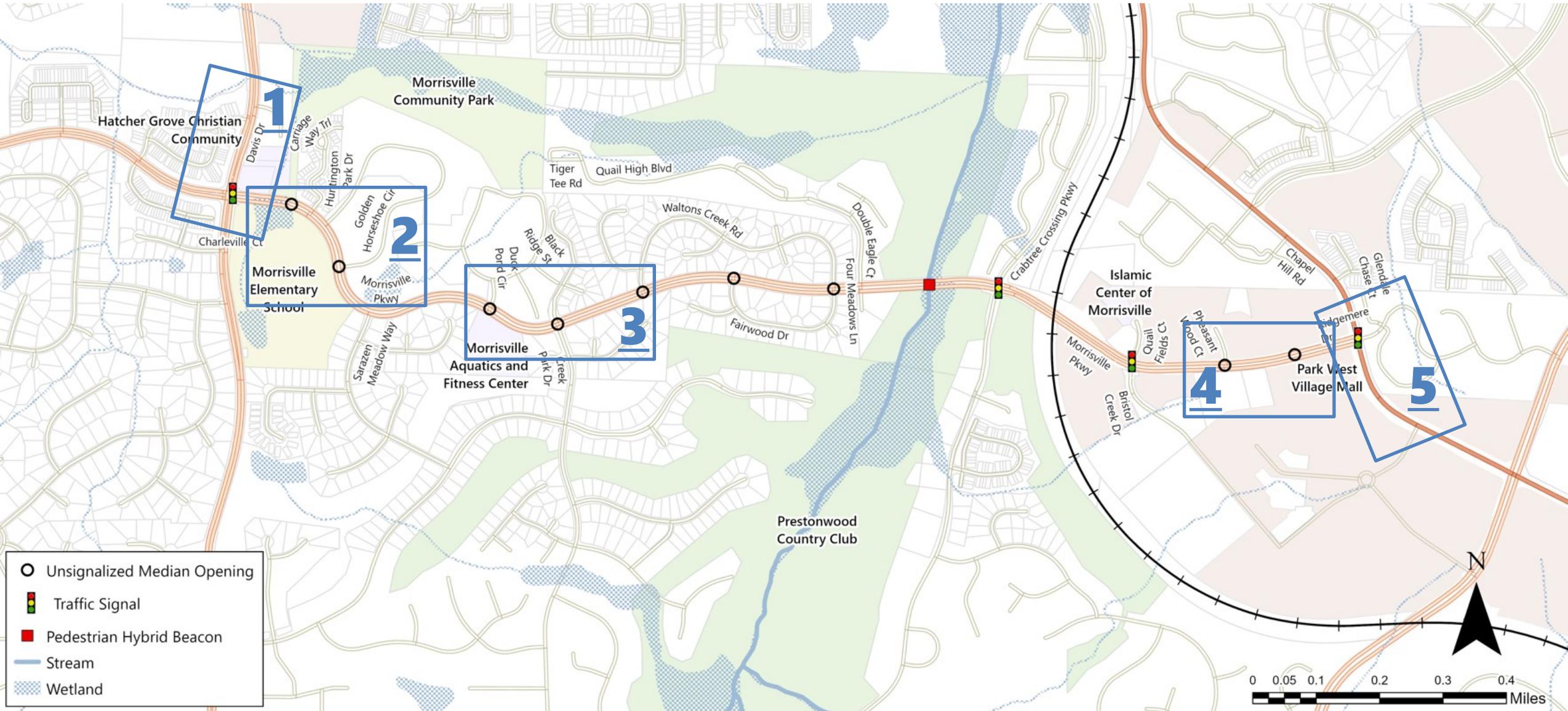
- Town of Morrisville website, email, social media, brochure
- Town of Cary website, email, social media, brochure
- CAMPO website, email, social media, brochure
- Community event
- Word of mouth
- Other (please specify)

Phase 1 Survey



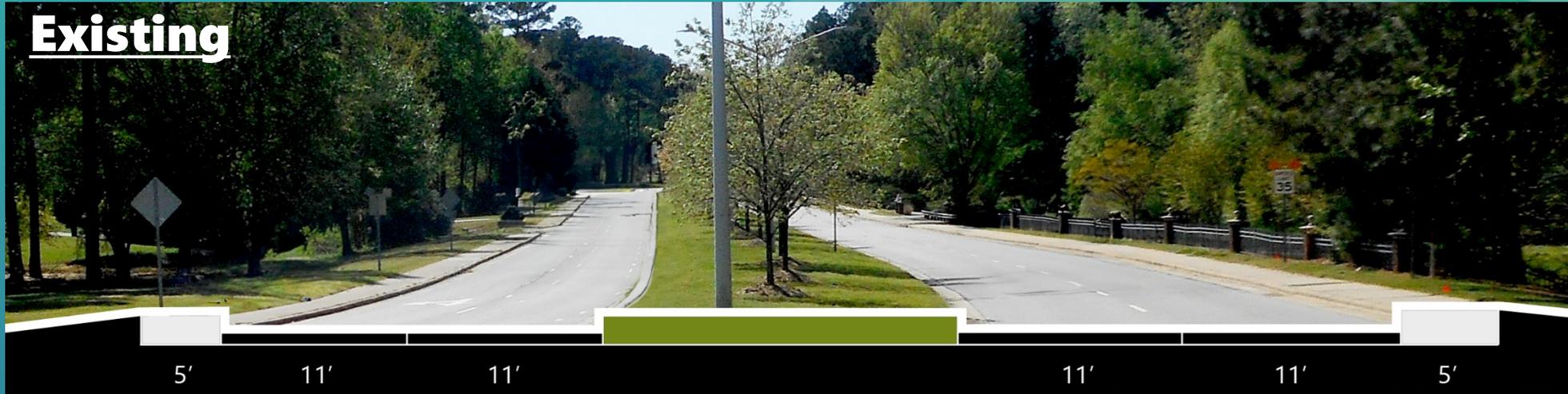
October Community Event

# Areas for Improvement



# Recommended Corridor Cross-Section

## Existing



## Proposed



- Multi-use path on both sides of road
- Lane striping to visually narrow travel lanes and reduce speeds
- Path width and separation to road may vary based on right-of-way availability

# 1. Morrisville Parkway at Davis Drive



## Summary of Issues/Challenges

- This intersection experiences **heavy traffic and delays** during morning and afternoon peak travel periods
- Extensive **queueing for the southbound left-turn** movement during the afternoon peak hour
- A shared thru and right-turn lane currently exists on westbound Morrisville Parkway and there is **no dedicated right-turn lane** available for vehicles accessing northbound Davis Drive
- Large intersection results in **difficult crossings** for pedestrians
- High number of **left-turn and rear end crashes**

# Recommendations Davis Drive Area

To Walmart Neighborhood Market

Davis Drive (SR 1613)



Bambino's  
Playschool

Willow Creek  
Senior Living  
Apartments

Add a westbound right-turn lane

Davis Drive (SR 1613)

Morrisville Elementary  
Driveway

Morrisville Parkway (SR 3060)

To NC 54

Davis Drive (SR 1613)

Add a second southbound left-turn lane

- Add high visibility crosswalk markings on all approaches
- Add a Leading Pedestrian Interval to signal

To Publix

Westover  
Park

To NC 55

Morrisville Parkway (SR 3060)

Mid-Term Improvement  
Long-Term Improvement

## 2. Morrisville Parkway at Morrisville Elementary



### Summary of Issues/Challenges

- **Very high pedestrian crossing volume** associated with Morrisville Elementary arrival and dismissal periods
- Vehicles not properly yielding to pedestrians in crosswalks
- **Extensive queueing present** during the afternoon school pick-up for Morrisville Elementary School, resulting in stopped vehicles along Morrisville Parkway
- **Inadequate left-turn storage** at western school driveway
- **Visibility concerns** for crossing pedestrians and vehicles due to curves on Morrisville Parkway
- **Pedestrian crossings are difficult** when the school crossing guard is not present

# Recommendations Morrisville Elementary Area



**Lengthen the eastbound left-turn lane**

**Add Pedestrian Hybrid Beacon (PHB)**



*Pedestrian Hybrid Beacon (PHB)*

**Add a pedestrian refuge island**

**Signalize Intersection**

**Add Crosswalk**

**Add a left-turn lane**

**Mid-Term Improvement**  
**Long-Term Improvement**

Morrisville  
Elementary  
School



# 3. Morrisville Parkway at Morrisville Aquatics Center



## Summary of Issues/Challenges

- The Duck Pond Circle and Black Ridge Street/Creek Park Drive locations experienced the **most crashes of any unsignalized intersection** along the corridor
- Crosswalks currently exist across Creek Park Drive and Black Ridge Street, however crosswalks are not present across Morrisville Parkway in this location.
- **Vehicles not properly yielding to pedestrians** crossing Morrisville Parkway
- There are a **lack of left-turn lanes** along Morrisville Parkway for each direction
- **Limited sight distance** due to curve sections

# Recommendations Morrisville Aquatics Area



To Davis Drive

Duck Pond Circle

Add a 100 ft left-turn lane

Consider adding median channelization island and signal

Signalize intersection and add crosswalks

Black Ridge Street

Waltons Creek Rd

Morrisville Parkway (SR 3060)

Morrisville Aquatics and Fitness Center

Add a 100 ft left-turn lane

Lengthen left-turn lane

Add a 100 ft left-turn lane

To NC 54

Mid-Term Improvement  
Long-Term Improvement

## 4. Morrisville Parkway at Park West Village Area



### Summary of Issues/Challenges

- There are safety concerns with the **Park West Village median opening, due to its proximity to the NC 54 (Chapel Hill Road)** intersection which experiences routine congestion and queueing
- New westbound left-turn lanes were constructed at both intersections, however **left-turn lanes are lacking in the eastbound direction**
- Providing raised median channelization islands would **help prevent left turns** from the side streets, which help reduce traffic collisions

# Recommendations Morrisville Parkway at Park West Village Area



**To Davis Drive**

**To NC 54**

**Add a channelization island**

**New westbound left-turn lane**

**Add a channelization island to restrict left-turns and thru movements from the side streets**

**New westbound left-turn lane**

**Morrisville Parkway (SR 3060)**

**Pheasant Wood Court**

**Add a 100' eastbound left-turn lane**

**Add a 100 eastbound left-turn lane**

- Completed Improvement**
- Mid-Term Improvement**
- Long-Term Improvement**

**Triangle Badminton Club**

**SecurCare Self Storage**

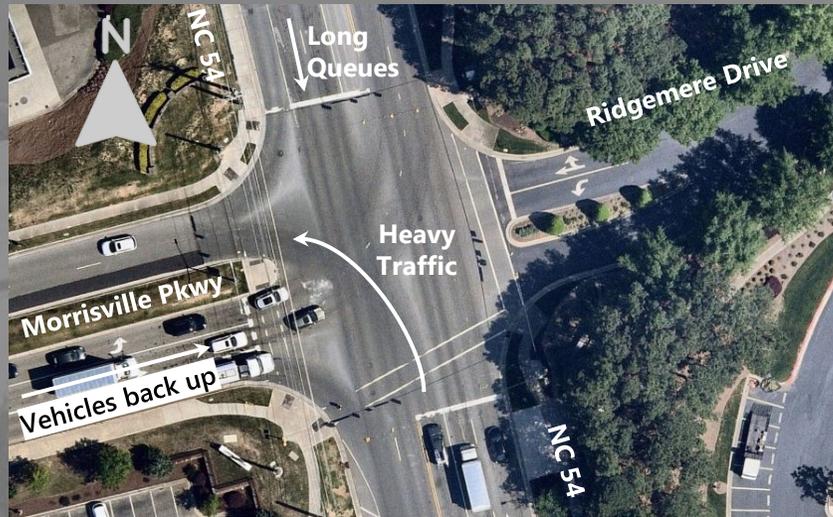
**Fifth Third Bank**

**Trader Joe's**

**Sheetz**

**Park West Village**

# 5. Morrisville Parkway at NC 54



## Summary of Issues/Challenges

- Highest number of **crashes** along study corridor
- Vehicles **not properly yielding to pedestrians** entering crosswalks
- Crosswalk pavement markings are worn
- **Heavy northbound left-turn traffic** from NC 54
- Eastbound vehicles on Morrisville Parkway can back up to block prior intersection
- **Long queues** on southbound approach of NC 54

To Davis Drive

Morrisville Parkway (SR 3060)



Ridgemere Drive

- Add high visibility crosswalk markings on all approaches
- Add a Leading Pedestrian Interval to signal

Add a second left-turn Lane

NC 54 - Chapel Hill Road

Mid-Term Improvement  
Long-Term Improvement

Fifth Third Bank

Trader Joe's

Mattress Firm

B&B Theatres

Park West Village

Michaels

Blaze Pizza

# Recommendations Morrisville Parkway at NC 54

# Construct Cost Estimate

	<u>Construction Cost</u>	<u>Mid-Term</u>	<u>Long-Term</u>
<b>TOTAL</b>	\$5,096,050	\$3,014,650	\$2,081,400
Misc. & Mob (45%)	\$2,293,200	\$1,356,600	\$936,600
Contract Cost	\$7,389,250	\$4,371,250	\$3,018,000
Construction			
Inspection & Admin.	\$1,182,300	\$699,400	\$482,900
<b>TOTAL Estimated</b>			
<b>Construction Cost</b>	<b>\$10,864,750</b>	<b>\$6,427,250</b>	<b>\$4,437,500</b>

<u>Location</u>	<u>Improvement</u>	<u>Construction Cost</u>	<u>Phasing</u>
Corridor-Wide	1 Multiuse Path (south)	\$956,400	Mid-Term
	2 Multiuse Path (north)	\$956,400	Long-Term
	3 Yellow inside lane lines	\$15,150	Mid-Term
	4 White outside lane lines	\$15,150	Mid-Term
	5 Add high vis crosswalks to side streets	\$79,200	Mid-Term
Morrisville Parkway at Davis Drive	6 Add second SB left-turn lane	\$292,500	Long-Term
	7 Add westbound right-turn lane	\$247,500	Mid-Term
	8 Add high vis crosswalk markings to all	\$7,500	Mid-Term
	9 Protected phasing and LPI to signal	\$100,000	Mid-Term
Morrisville Parkway at Community Park/Northern School Access	10 Pedestrian Hybrid Beacon	\$100,000	Mid-Term
	11 Extend EB left-turn lane	\$45,000	Long-Term
Morrisville Parkway at Southern School Access	12 Signalize intersection	\$200,000	Mid-Term
	13 Add pedestrian refuge island	\$3,750	Mid-Term
	14 Add westbound left-turn lane	\$157,500	Mid-Term
Morrisville Parkway at Duck Pond Circle	15 Add stop bars and other markings	\$7,500	Mid-Term
	16 Add median channelization island	\$7,500	Long-Term
	17 Add westbound left-turn lane	\$157,500	Mid-Term
Morrisville Parkway at Morrisville Aquatics Center	18 Signalize intersection	\$200,000	Long-Term
	19 Lengthen westbound left-turn lane	\$180,000	Mid-Term
	20 Add eastbound left-turn lane	\$157,500	Mid-Term
Morrisville Parkway at Morrisville Aquatics Center	21 Signalize intersection	\$200,000	Mid-Term
	22 Add high vis crosswalks	\$7,500	Mid-Term
Morrisville Parkway at Waltons Creek Road	23 Add eastbound left-turn lane	\$157,500	Mid-Term
Morrisville Parkway at Pheasant Wood Court	24 Add eastbound left-turn lane	\$157,500	Long-Term
	25 Add median channelization island	\$7,500	Long-Term
Morrisville Parkway at Park West Village	26 Add eastbound left-turn lane	\$157,500	Mid-Term
	27 Add median channelization island	\$7,500	Mid-Term
Morrisville Parkway at NC 54	28 Add second NB left-turn lane	\$382,500	Long-Term
	29 Add high vis crosswalks	\$7,500	Long-Term
	30 Add Leading Pedestrian Interval	\$25,000	Long-Term

# Questions/Discussion

## Project Contacts

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Dionne Hines, AICP | [dhines@vhb.com](mailto:dhines@vhb.com) | 919.926.7694

## 5.2 Morrisville Parkway Access Management Study Recommendations

**Requested Action:**  
**Receive as information.**

## 5.3 FY 2024 4th Quarter Wake Transit Work Plan Amendment Request

# 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
TPAC Considers Amendment Requests	April 17, 2024
<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)

**GO FORWARD**  
A COMMUNITY INVESTMENT IN TRANSIT



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
<i>TOTAL</i>	<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

# 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 Work Plan Amendment Request at their meeting on March 26<sup>th</sup>, and unanimously recommended approval.

The TPAC considered the FY24 Q4 Wake Transit Work Plan Amendment Request at their meeting on April 17<sup>th</sup>, and unanimously recommended approval.

## 5.3 FY 2024 4th Quarter Wake Transit Work Plan Amendment Request

### Requested Action:

**Recommend Executive Board approve the FY 2024 Q4 Wake Transit Work Plan Amendment Request.**

## 5.4 FY2024-2033 Transportation Improvement Program (TIP) – Amendment #4

- CAMPO and statewide CAMPO-eligible projects
- Changes made from January 1, 2024 – March 31, 2024
- Select projects from April Item N
  - FFY 25 LAPP Investment Program
  - Statewide projects HV-0001 : Construction of electric vehicle supply equipment and ER-5600: Vegetation management
  - Transit projects TD-5269 and TD-5285 to install electric charging infrastructure to support deployment of battery-electric buses.

## 5.4 FY2024-2033 Transportation Improvement Program (TIP) – Amendment #4

### Requested Action:

**Recommend approval of Amendment #4 to the FY2024-2033  
Transportation Improvement Program (TIP).**

## 5.5 NC 540 (R-2829) Bonus Allocation Programming

# CAMPO Bonus Allocation

Strategic Transportation Investment (STI) law provides Bonus Allocation funding for:

- Local funding participation
  - ½ of local contribution
  
- Highway Tolling
  - ½ value of toll revenue bonds
  - ½ forecasted revenue for 1st 10 years –operation costs
  - \$100 million maximum
  - Must be programmed within toll county
  
- Programming Limitations
  - 10 percent Regional/Division Needs
  - Must be obligated within 5 years
  - Use on highway or highway-related projects only

# CAMPO Adopted Bonus Allocation Policy/Methodology

## Guiding Principles

- Inclusion in the Metropolitan Transportation Plan (MTP)
- Logical Nexus to Generating Source of Bonus Allocation Funds
- Recognition of Funding Challenges with STI law
- Recognition of Funding Opportunities with STI law

## BA Methodology – local contribution

- MPO works with contributing local government to determine existing MTP projects suitable for programming with Bonus Allocation funds.
- MPO Executive Board approves all bonus allocation funding

# BA Methodology – Tolling Generated

- Four Phases of Analysis for Candidate Project Prioritization

Phase I – determine study area for candidate selection

Phase II – analyze MTP projects using Triangle Regional Model (TRM)

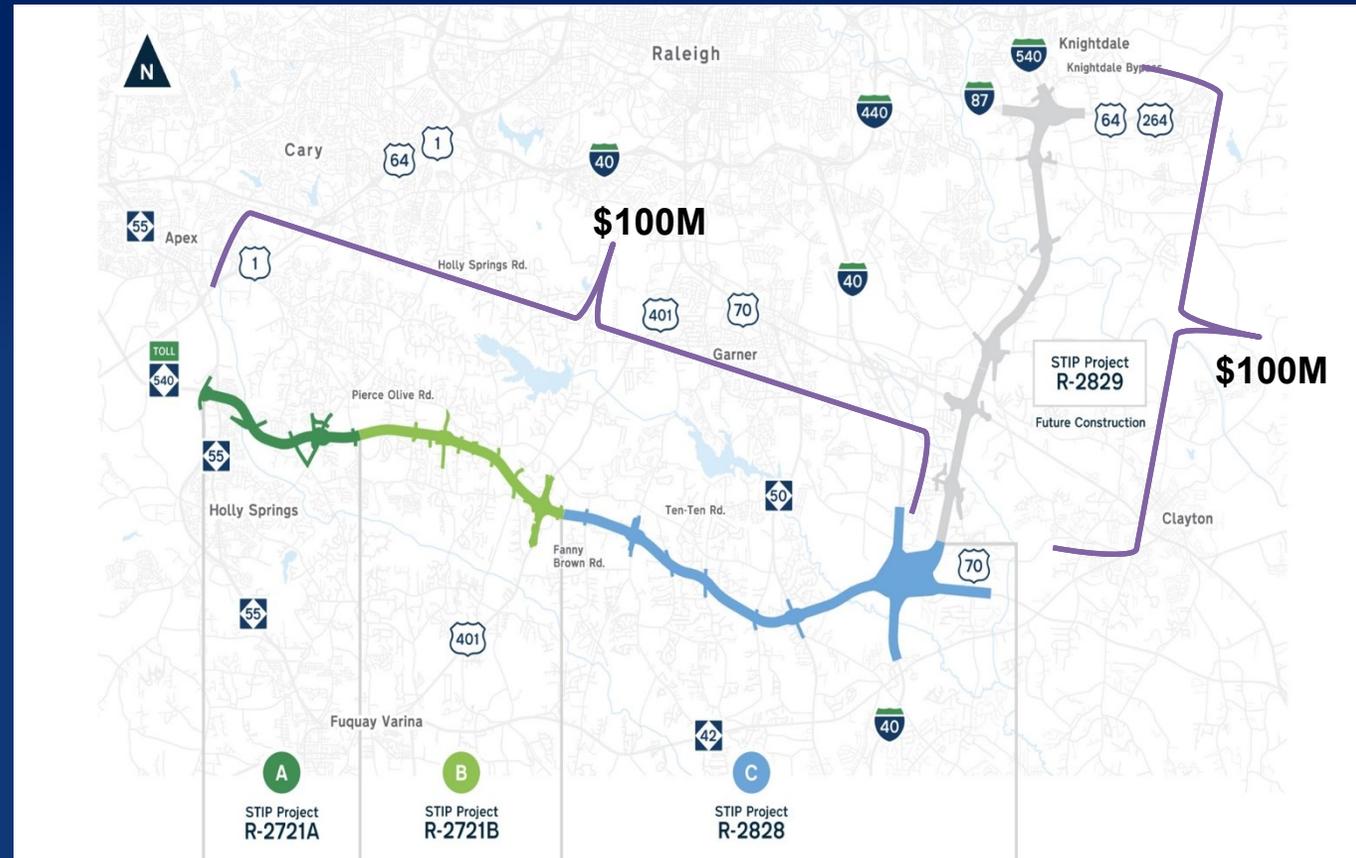
Phase III – analyze intersection and operational improvements  
(non-modeled projects)

Phase IV – compare benefits between candidate projects in a common platform along with safety information

- MPO Executive Board programs projects

# NC 540 Bonus Allocation

- Two Bonus Allocation awards from Complete 540 Project
- R-2721 & R-2828 NC 55 to I-40
  - Must be obligated from FY2021-2025
- R-2829- I-40 to US 64/US 264
  - Must be obligated from FY2025-2029





# Phase III

100+ Intersections

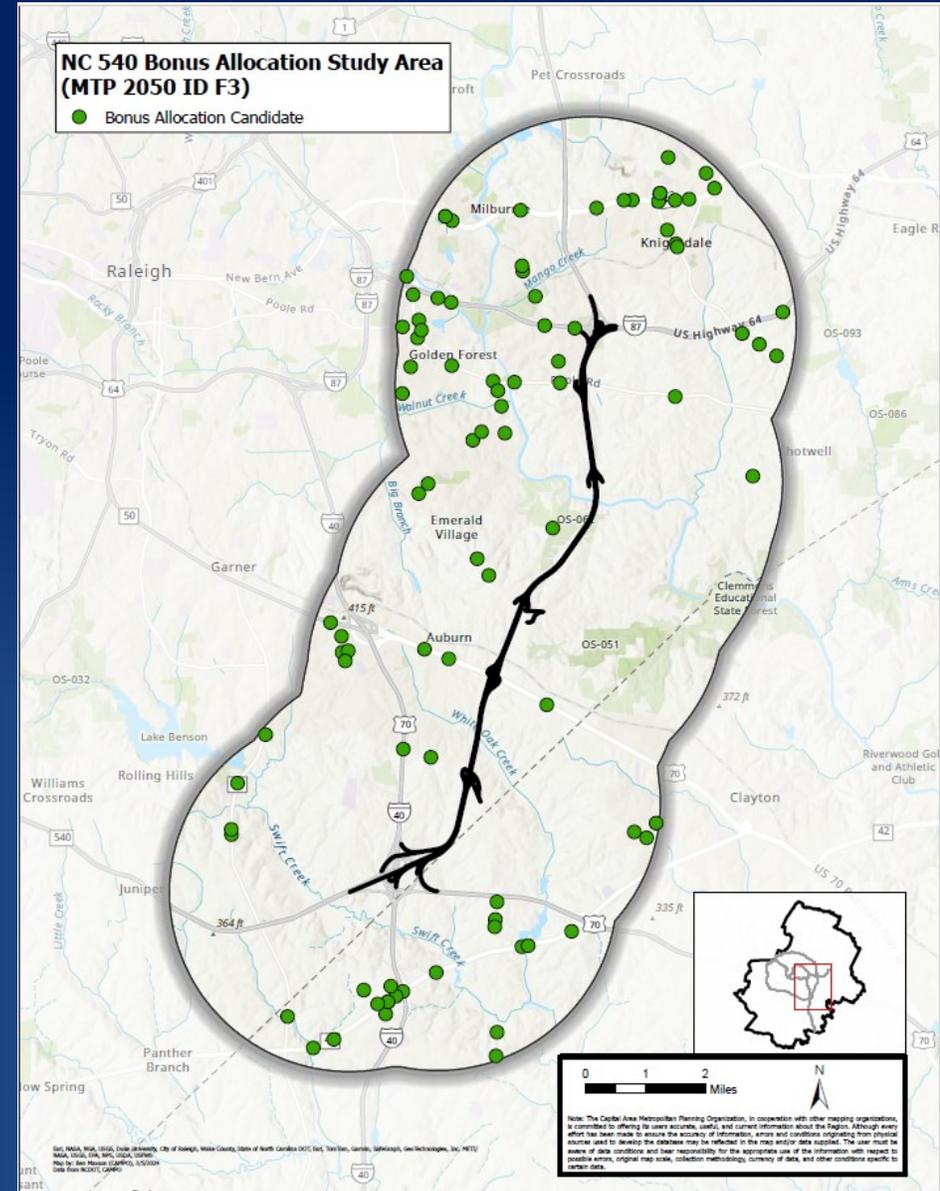
Located in Johnston Co

Safety Concern

Traffic Volume

Growth

540 Build Impact



Project No.	Mainline Roadway	Cross Street(s)	Description/Comments	Estimated Cost	Funding Tier
HL-0133A	Poole Rd.	Hodge	Second Eastbound Left Turn Lane (EB LTL) & Second Southbound Right Turn Lane (SB RTL)	\$ 2,700,000	Div
HL-0133C	E. Garner	Guy Rd	Install traffic signal, EB RTL 200 ft. storage, WB LTL 200 ft. storage, NB RTL 200 ft. storage.	\$ 2,000,000	Div
HL-0133B	Poole Rd.	Grasshopper	Construct EB RTL with min. 100 ft. storage and NB LTL with min. 300 ft. storage.	\$ 2,500,000	Div
HL-0133E	Auburn Knightdale	Grasshopper	EB RTL on Ak at Grasshopper	\$ 1,500,000	Div
HL-0133G	East Garner Rd	Jones Sausage Rd	Aux lanes along East Garner Rd	\$ 5,600,000	Div
HL-0133H	New Hope	Maybrook	100' northbound LTL.	\$ 1,400,000	Div
HL-0133K	White Oak	West of Chapel Fields Ln	Road improvements to address curve and safety issues	\$ 2,500,000	Div
HN-0012	New Hope	Eva Mae	LTLs on New Hope and signal	\$ 2,000,000	Div
TBD	Poole Rd.	Neuse River	Construct 2 lane bridge over Neuse River	\$ 20,000,000	Div
HL-0133D	US 70 Bus	Auburn Knightdale	Intersection Improvements: Dual Turning lanes	\$ 2,500,000	Reg
HL-0008O	NC 42	Johnston Rd(SR 2735)	LTL on NC 42 at Johnston Rd.	\$ 1,300,000	Reg
HL-0008J	NC-50(Benson Rd)	Rand Rd.	Widen from Buffaloe to Rand	\$ 14,300,000	Reg
HL-0133F	US 70 Bus	Guy Rd	RCI similar to that proposed by U-6113	\$ 4,500,000	Reg
HL-0008P	Ten Ten Rd(SR 1010)	NC-50(Benson Rd)	Construct dual left turn lanes on northbound NC 50 and widen Ten Ten Road (SR 1010) for a receiving lane.	\$ 2,700,000	Reg
HL-0133I	US 64 Bus	Duckling Way	Directional crossover on US 64 Bus at Duckling Way	\$ 1,200,000	Reg
HL-0133J	US 64 Bus	Freedom	3rd EB through lane on US 64 Bus near Freedom Drive with ped accommodations	\$ 3,000,000	Reg

# Recommendations

## 7 Regional Impact Projects

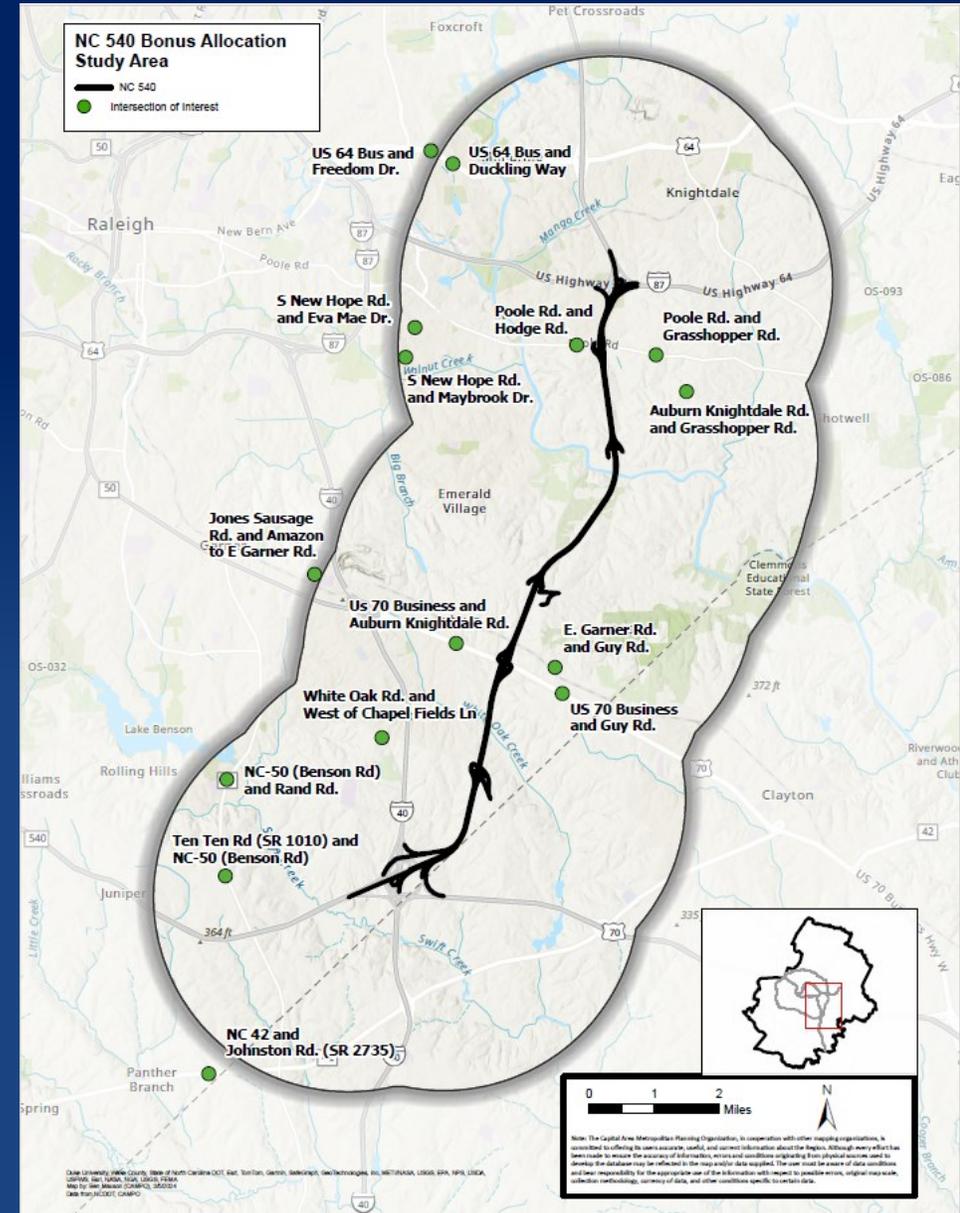
NC 50 (Benson Rd)

US 64 BUS

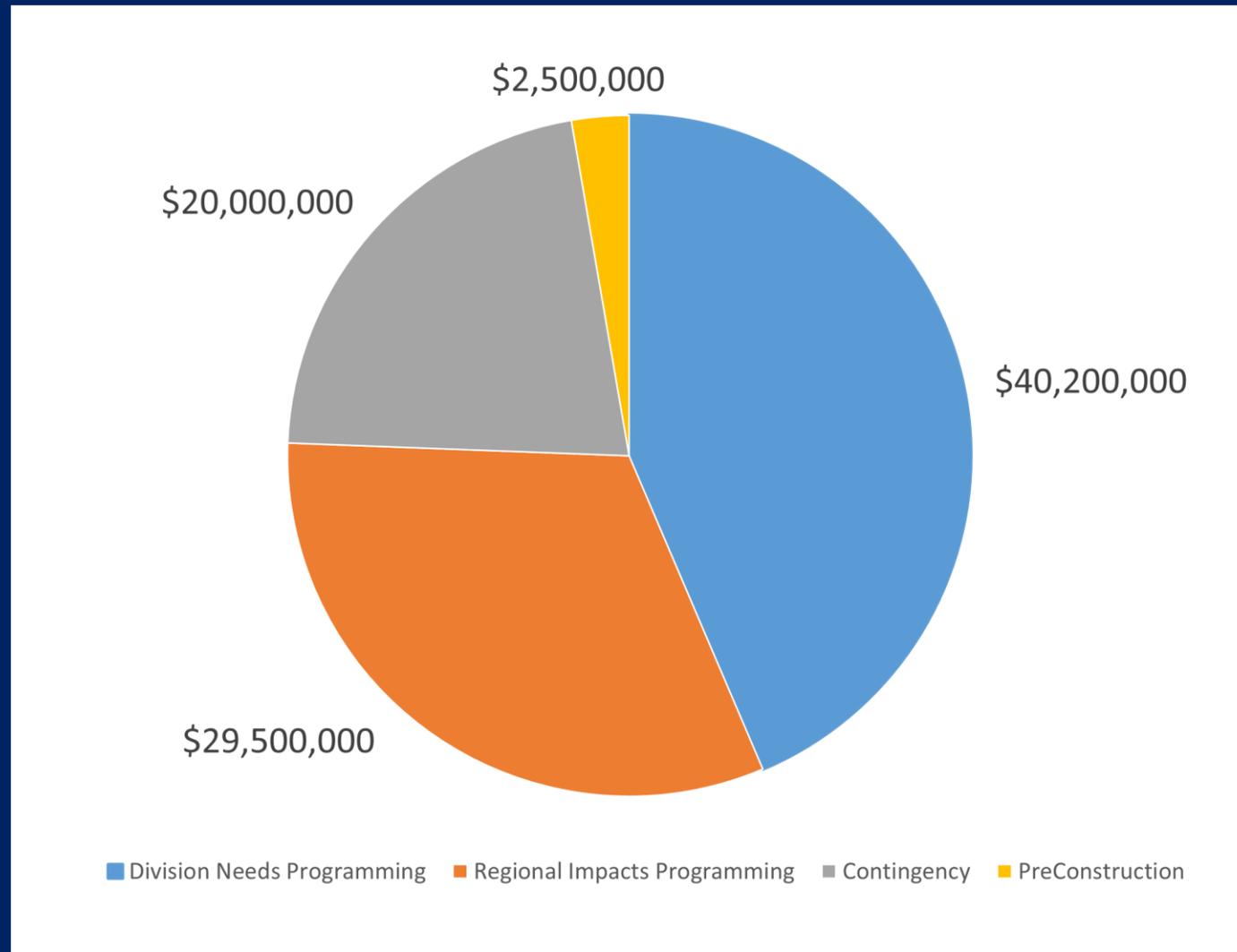
US 70 BUS

NC 42 / Johnson Rd

## 9 Division Needs Projects



# R-2829 BA DRAFT Programming



## Next Steps

- CAMPO/Div 5 refine cost estimates and programming
- CAMPO/Div 5 review comments received from MPO members & P7 Results
  
- April / May – 30-Day Public Comment period & Public Hearing
- June-August - Projects to be included in TIP Amendment #5
  - Posted in June 2024; Adopted August 2024
- July 1, 2024 - Funding becomes available
- June 30, 2029 – Funding must be obligated

## 5.5 NC 540 (R-2829) Bonus Allocation Programming

### Requested Action:

Review the candidate project recommendations and recommend the Executive Board approve the projects for inclusion in the Transportation Improvement Program.

## 5.6 TCC Bylaws Amendments & Updates

TCC Bylaws updates include:

- Addition of Campbell University as an ex-officio member at the direction of the Executive Board

Next step: TCC Adoption

**Requested Action:**  
**Approve updated TCC Bylaws.**

## 5.7 CAMPO - DCHC MPO Planning Area Agreement

- Update of existing MPO planning area agreement to account for changes made to MPO boundaries after 2020 Census
    - Reflects changes to some acronyms (UZA becomes UA, MAB becomes MPA)
  - Addresses urbanized areas that cross joint-MPA boundary
    - Small portion of Raleigh/Cary UZA in DCHC MPO boundary
    - Small portion of Durham UZA in CAMPO boundary
- \* Redline version was not available as only PDF was on file*

### Requested Action:

Recommend approval of the draft agreement updates.

## 6. Informational Items: Budget

6.1 Operating Budget – FY 2024

6.2 Member Shares - FY 2024

**Requested Action:**  
**Receive as information.**

## 7.1 Informational Item: April Project Updates

### Studies:

- Southeast Area Study Update
- U.S. 401 Corridor Study
- MTP Bicycle & Pedestrian Element Update
- NW Harnett Co. Transit Connections Feasibility Study
- Morrisville Parkway Access Management Study (Study Website)
- Apex Rail Switching Operations Relocation Study
- FY 24 Coordinated Public Transit Human Service Transportation Plan Update

### Other Updates:

- Wake Transit/Wake County TPAC Updates
- FY 2024 Wake Plan, Period of Performance Extension
- FY 2024 Wake Plan Development Update
- FY 2024 Community Funding Area Program Update
- Mobility Coordination Committee
- Triangle Transportation Choices (TDM Program)
- NCDOT Highway Project U-2719 Updates

## 7.2 Informational Item: Public Engagement Updates

**Requested Action:**  
**Receive as information.**

## 8. Informational Item: Staff Reports

- MPO Executive Director
- NCDOT Transportation Planning Division
- NCDOT Division 4
- NCDOT Division 5
- NCDOT Division 6
- NCDOT Rail Division
- NC Turnpike Authority
- NCDOT Integrated Mobility Division
- TCC Members



# CAMPO Blueprint for Safety: Technical Advisory Teams (TATs)

Area of Region	Date/Time	Location
Central Wake	May 13 3-5PM	Garner Town Hall
Western Wake	May 15 10AM-12PM	CAMPO Offices
Franklin Co.	May 23 2-4PM	Youngsville Town Offices
Northeast Wake	May 31 9-11AM	Wake Forest Town Hall
Granville Co.	June 7 12:30-2:30PM	Butner Town Hall
Harnett Co.	TBD	TBD
Johnston Co.	TBD	TBD

## Public Engagement in June-July

<https://www.campo-nc.us/programs-studies/blueprint-for-safety-plan>



### May 2024 Popups

2

Town of Angier Concert (4-9PM)

4

Cape Fear Fest (10AM-2PM)

18

Harnett Jamboree (8AM-3:30PM)

Additional Events posted at:  
<https://www.northharnetttransitstudy.com/>

# ADJOURN

## Upcoming Meetings

Date	Event
May 15 4:00 p.m.	Executive Board Meeting
May 31 8:30 a.m.	Joint MPO Boards Meeting
June 6 10:00 a.m.	Technical Coordinating Committee Meeting
June <del>19</del> 12 4:00 p.m.	Executive Board Meeting