



NC Capital Area **Metropolitan Planning Organization**

***WELCOME!***

*Today's Executive Board meeting is being held online.  
The meeting will begin shortly.*

***Please be prepared to mute your audio following roll call.***

**Call In: 650-479-3208   Meeting Code: 474 734 329   Meeting Password: MEET**

**PUBLIC COMMENTS SPEAKER SIGN UP SHEET:**

**<https://docs.google.com/spreadsheets/d/1YlwjbkgQ7roJN1vvgXLibDmpDYgaucwkJcfOXx1Q5qg/edit#gid=916175477>**

**Download Presentation Slides: <https://campo.legistar.com/Calendar.aspx>**



NC Capital Area **Metropolitan Planning Organization**

# **Executive Board Meeting**

**November 17, 2021**

**4:00 P.M.**

# 1. Welcome and Introductions

## *Roll Call of Voting Members & Alternates*

Town of Angier

Town of Apex

Town of Archer Lodge

Town of Bunn

Town of Cary

Town of Clayton

City of Creedmoor

Franklin County

Town of Franklinton

Town of Fuquay-Varina

Town of Garner

GoTriangle Board of  
Trustees

Granville County

Harnett County

Town of Holly Springs

Johnston County

Town of Knightdale

Town of Morrisville

NC Board of Transportation

City of Raleigh

Town of Rolesville

Wake County

Town of Wake Forest

Town of Wendell

Town of Youngsville

Town of Zebulon

Federal Highways – Ex. Ofo

NC Turnpike Auth – Ex. Ofo

## 2. Adjustments to the Agenda

## 3. Ethics Statement:

*In accordance with the State Government Ethics Act, it is the duty of every Executive Board member to avoid conflicts of interest.*

*Does any Executive Board member have any known conflict of interest with respect to matters coming before the Executive Board today? If so, please identify the conflict and refrain from any participation in the particular matter involved.*

## 4. Public Comments

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

## 5. Consent Agenda

5.1 Approve the Executive Board October 2021 Meeting Minutes

5.2 Adopt the FY 22 Unified Planning Work Program Amendment #1

5.3 Approve the FY 2022, Q2 Wake Transit Work Plan Amendment Requests

5.4 Adopt the Transit Agency Safety Plans Performance Targets

5.5 Approve Triangle Bikeway Study Contract Amendment

### Requested Action:

**Approve all items on the Consent Agenda.**

## 6. Public Hearings

6.1 Amendment #6 to FY 20-29 Transportation Improvement Program

6.2 2050 Metropolitan Transportation Plan (MTP/CTP)

## 6.1 Amendment #6 to FY2020-2029 Transportation Improvement Program (TIP)

CAMPO has received notification from NCDOT of changes to regional projects that require amending the Transportation Improvement Program. This amendment will also include changes submitted from transit providers to reflect their current budgets and updates to the Wake Transit Work Plan.

Public Comment Period: October 18<sup>th</sup> - November 16<sup>th</sup>

Public Hearing and Approval (anticipated) November 17<sup>th</sup> Executive Board meeting



## 6.1 Amendment #6 to FY2020-2029 Transportation Improvement Program (TIP)

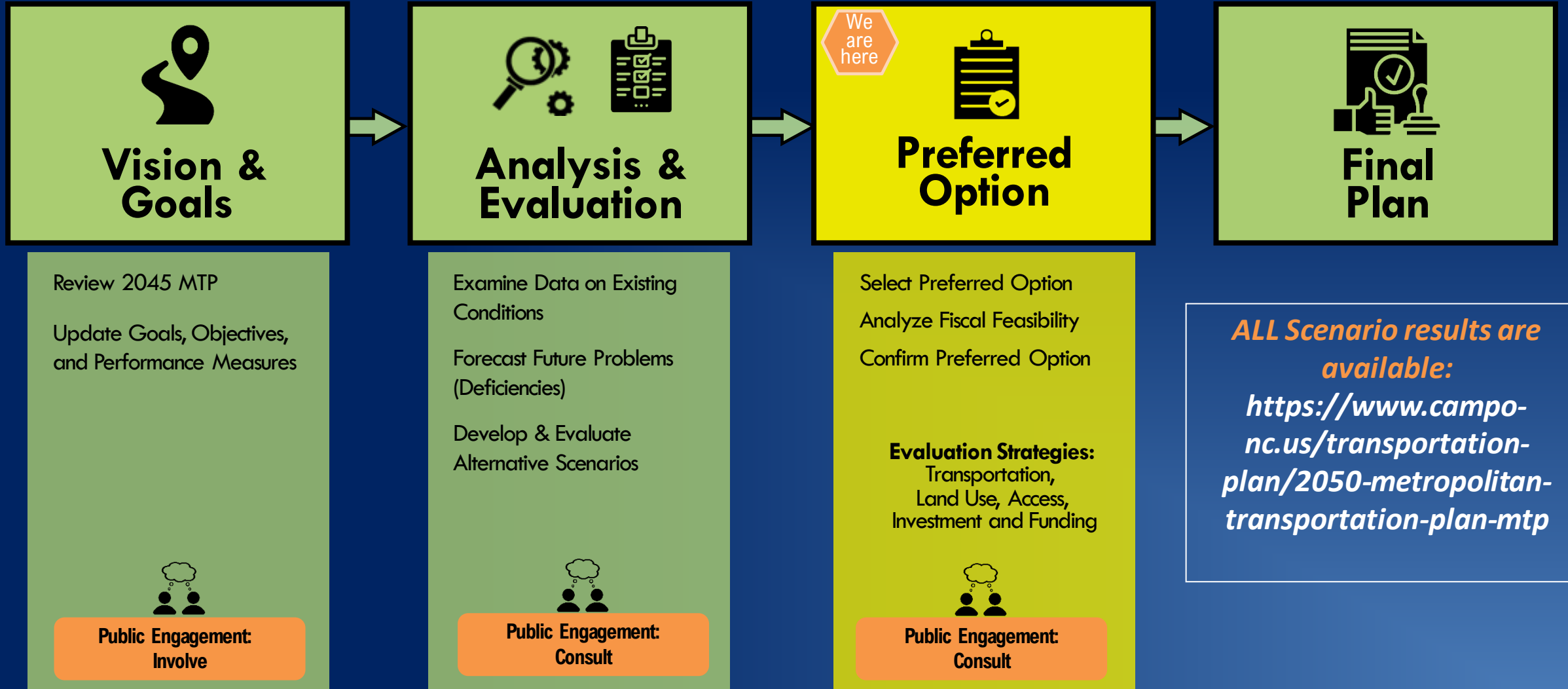
**Requested Action:**  
**Conduct Public Hearing.**

**Approve FY2020-2029 TIP Amendment #6.**

## 6.2 2050 Metropolitan Transportation Plan (MTP/CTP) Update



# MTP Update Process

The overall process to develop the MTP typically takes 18 months, or more. CAMPO updates the MTP on a 4-5 year cycle and is currently developing the 2050 MTP.



# Scenario Framework

Four scenarios that match a development foundation with a mobility foundation:

Connect 2050 Scenario Framework							
			Mobility Investment Foundation				
			Existing & Committed	Trend	Mobility Corridors	Complete Communities*	Comprehensive Transport Plan
	Development Foundation	Existing or Underway	basis for all scenarios				
		Community Plans	Deficiency & Needs Scenario	Plans & Trends Scenario			
		Opportunity Places (Key Hubs; REINVEST Neighborhoods)			Shared Leadership Scenario	All Together Scenario	
		Build-Out					If unlimited \$ & capacity growth

\* More focused investment on Complete And Safe Streets, Active Transport, and Transit

# The Opportunity Places Development Foundation

-- a focus on important trip origins and destinations --

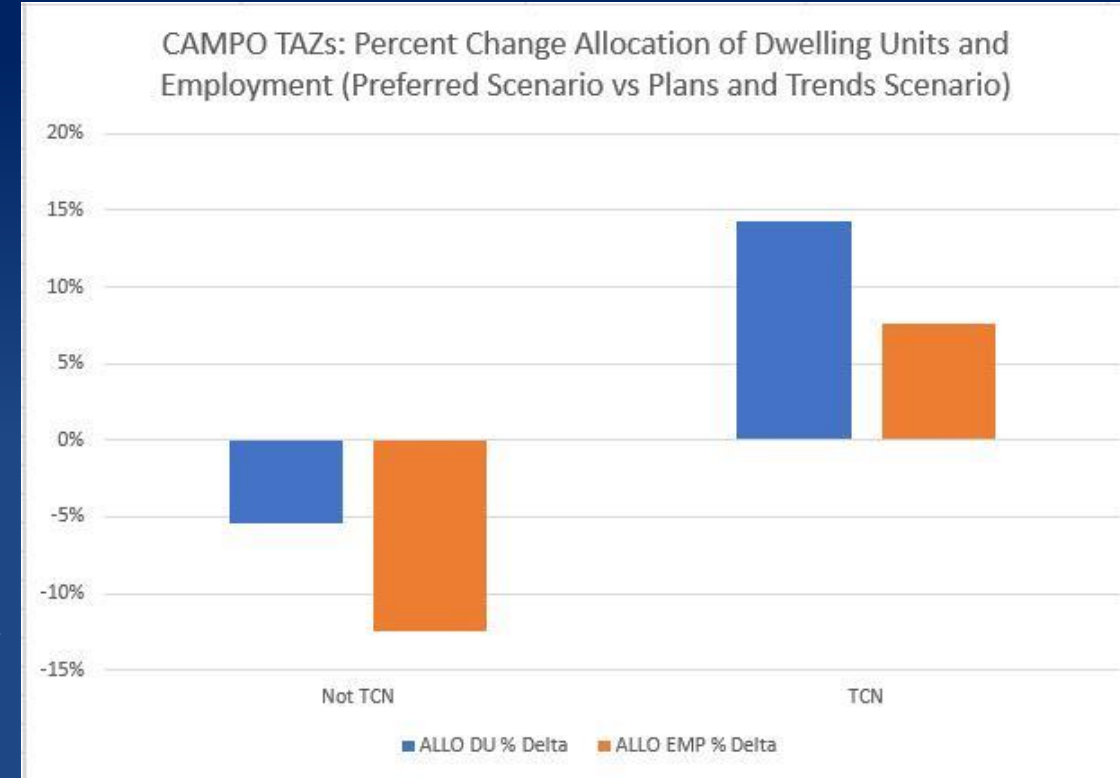
## *Opportunity Places Development Foundation*

### *Mechanically derived – 4 main elements*

Community Plans is the starting point. Modified as follows:

1. Anchor institutions – increased asserted development
2. Mobility hubs – more intense, mixed use development in ~2 dozen places; largely at previously identified “activity centers” in CommunityViz
3. Frequent transit corridors (Travel Choice Neighborhoods) – TOD development on developable parcels
4. Affordable housing opportunity sites – asserted “LIHTC-like” projects on undeveloped public land through GIS-based criteria

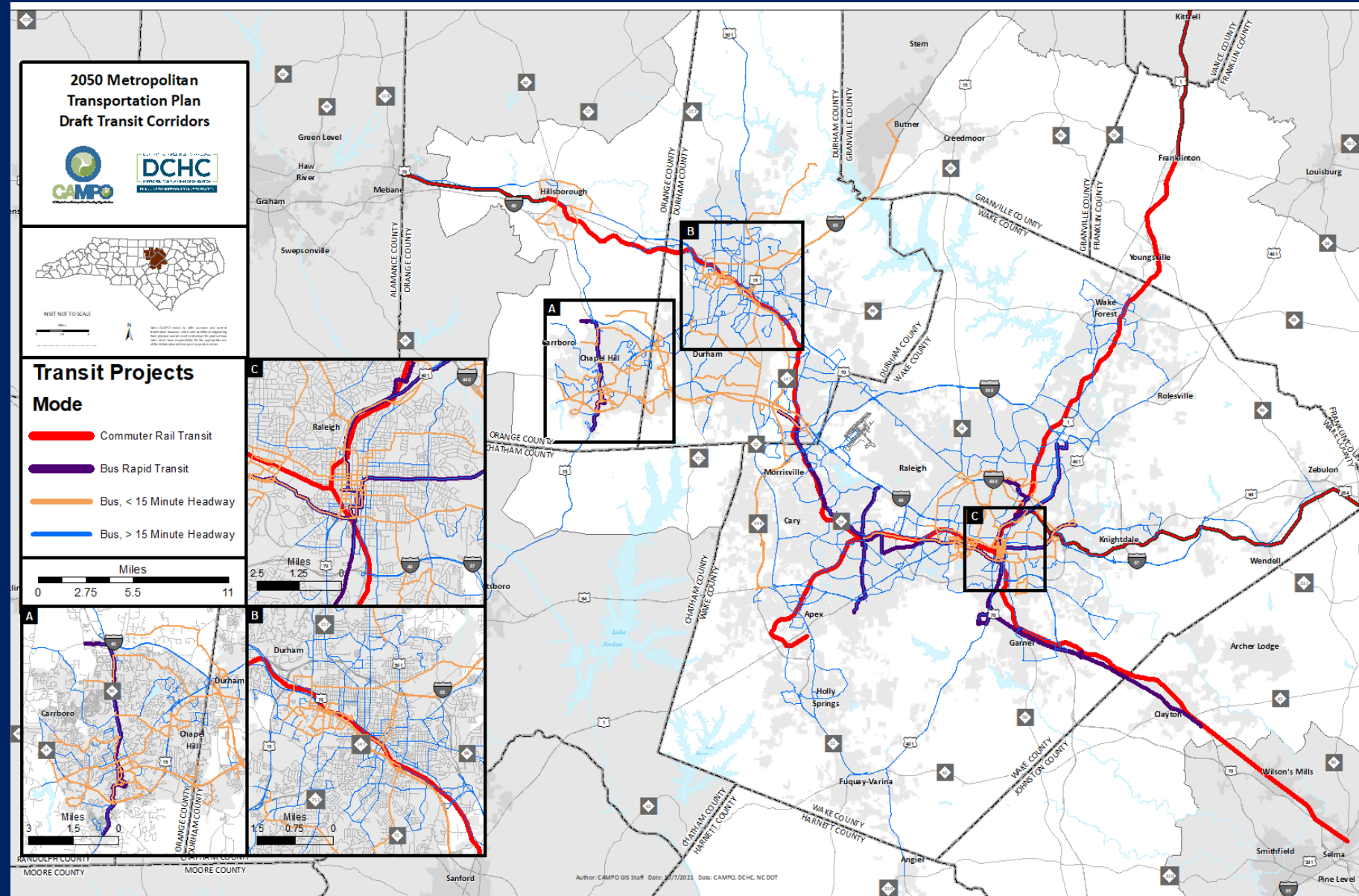
*This Development Foundation is used for the Preferred Scenario*



# Major Transit Investments

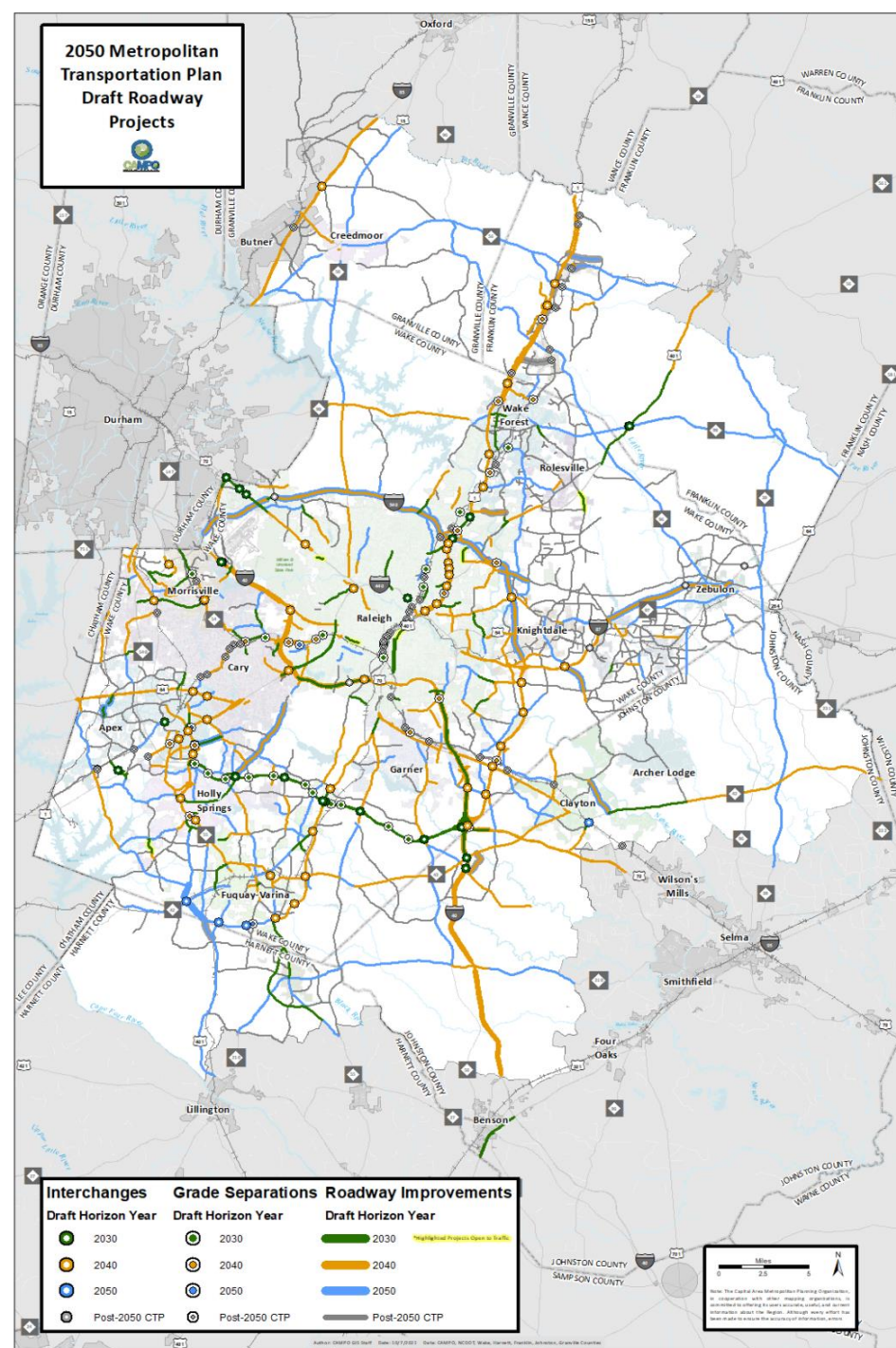
- CRT from Selma to Hillsborough
- CRT from Apex to Franklinton
- BRT Infrastructure and Service in Capital, New Bern, Wilmington, and Western/Chatham/NC 54 corridors
- BRT Infrastructure and Service in Harrison/Kildare Farm Rd. corridor
- BRT Infrastructure and Service to Midtown
- Increased investment in the frequent bus network
- Community Funding Areas

## Preferred Scenario Transit Element 1st Draft of Fiscal Constraint





## 2050 Metropolitan Transportation Plan Draft Roadway Projects



# Preferred Scenario Roadway Element

## 2050 Preferred Scenario

- Traditional financial resources largely focused on higher order roadways (State/Federal funds)
- Fiscal Constraint impacted 48 percent of preferred scenario roadway projects
- **429 projects moved to CTP horizon year**
  - Additional regional/local revenue assumptions resulted in **Higher** level of secondary roadway investments in 2<sup>nd</sup> two decades, w/Complete Streets based implementation

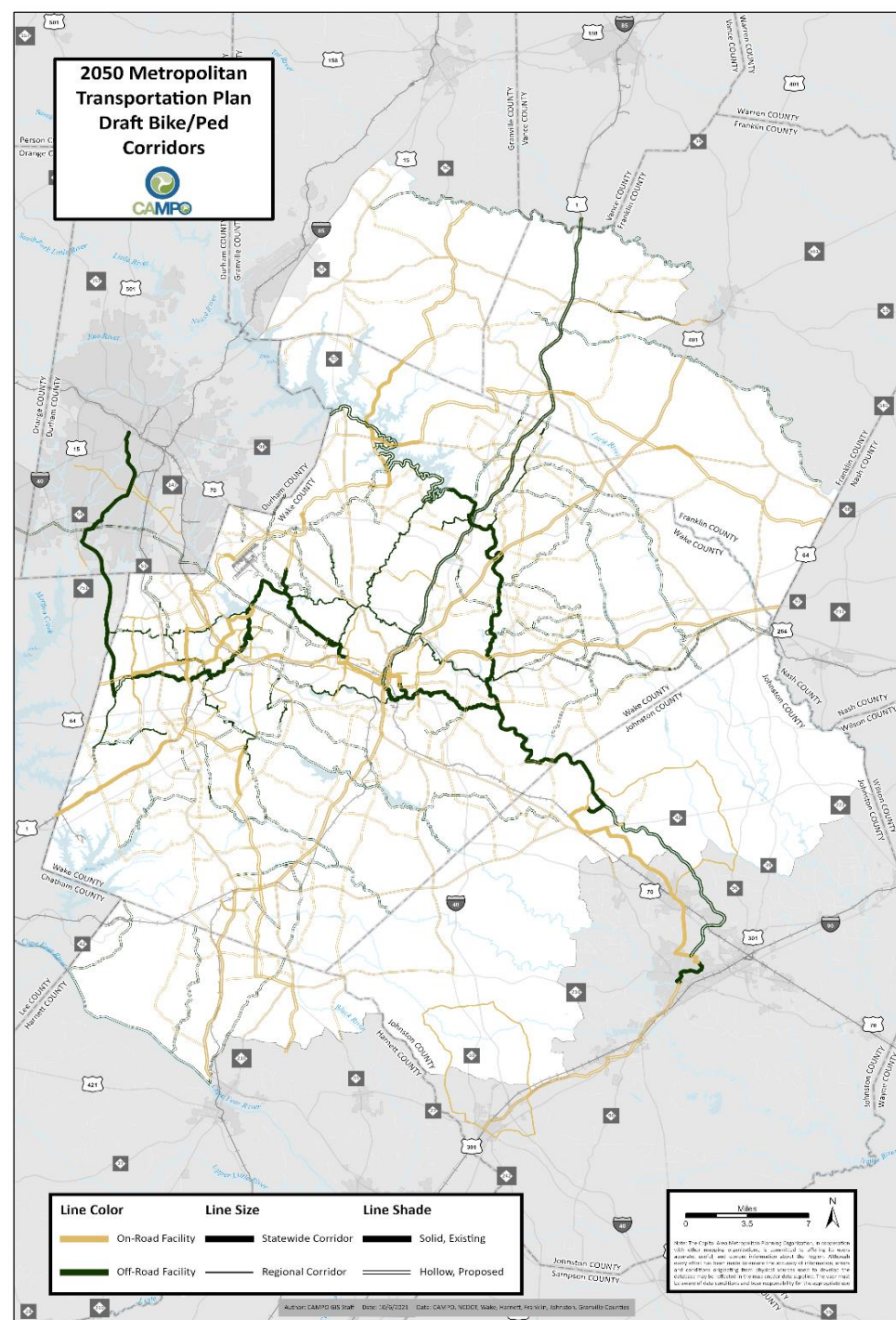
## Major Roadway Investments

- Completion of Outer Loop
- Widening/Improving I-40, I-440, US 401, US 1, US 64, US 70, NC 42, NC 50, NC 54, NC 55, NC 98
- **Higher** level of secondary roadway investments in 2<sup>nd</sup> two decades

*\*With additional regional/local revenue assumptions*

# Preferred Scenario Bicycle & Pedestrian Element

- On & Off-Road Corridors
- Functional Classification:
  - Statewide (Inter-Regional)
  - Regional (Intra-Regional/Collector)
  - Local
- *Sidewalks are included Programmatically*

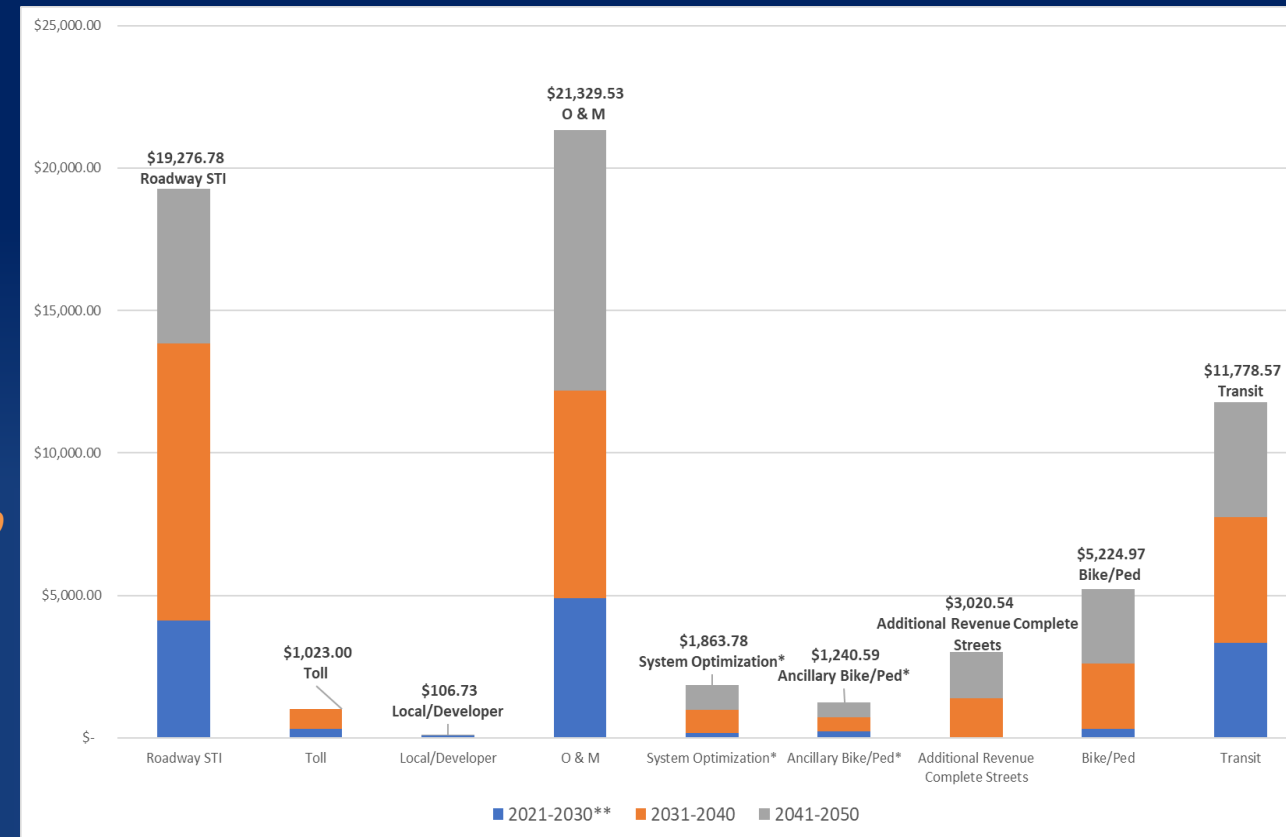




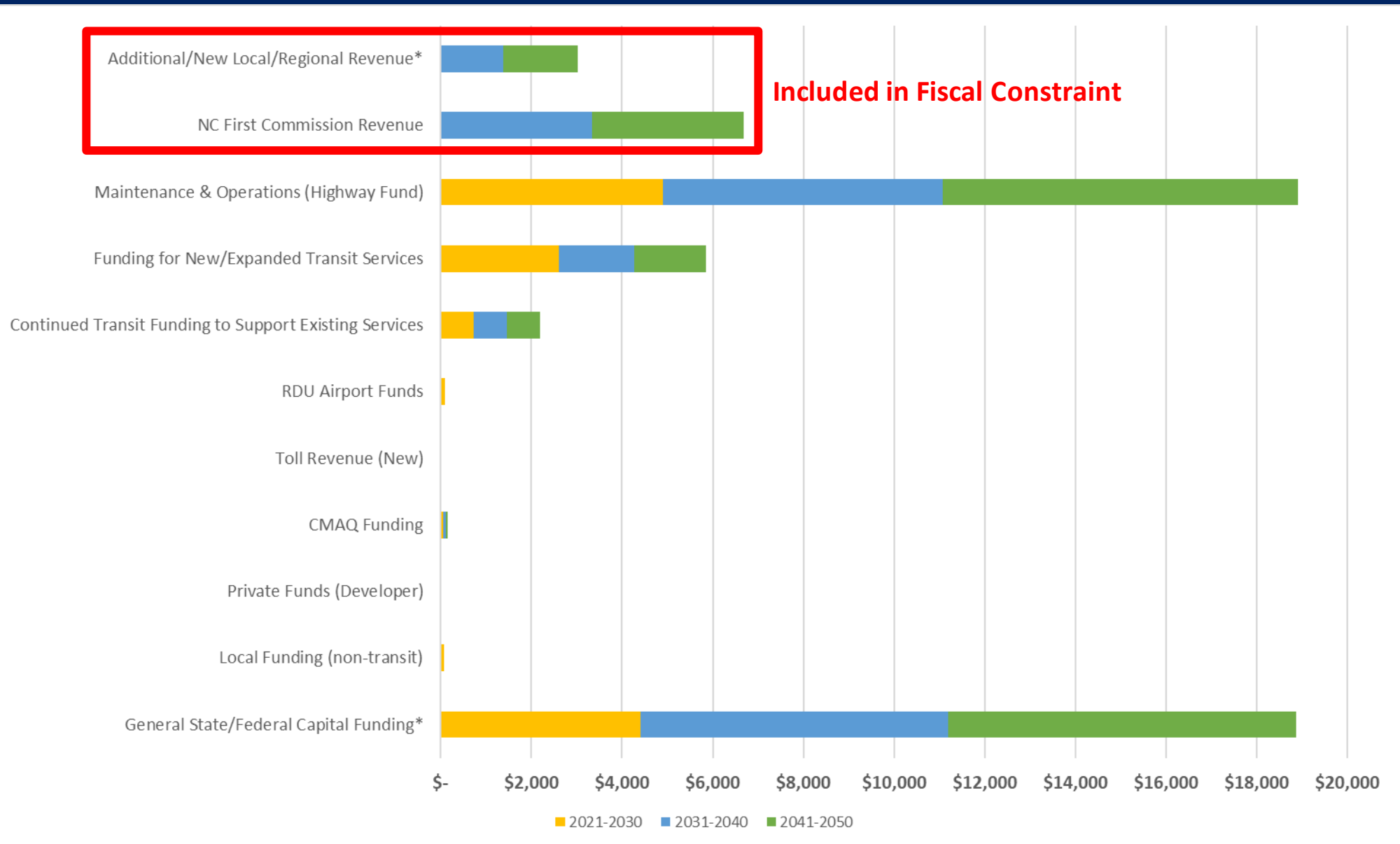
# 2050 MTP Revenue Forecast

## Our Revenue Forecast:

- 1<sup>st</sup> Decade:
  - TIP/STIP (10 yr Work Program)
  - Local funding/development activity
- 2<sup>nd</sup> & 3<sup>rd</sup> Decades:
  - “Traditional” Federal & State Funds
    - *Assumed increases for Preferred scenario*
  - MPO portion based NCDOT Forecast
- Transit Funds
  - *Wake Transit Plan Forecast (modified/extended)*
- Local Revenue
  - Based on Local CIPs / Development Activity
- **New Regional/Local Revenue Assumption**



# Preliminary 2050 MTP Financials



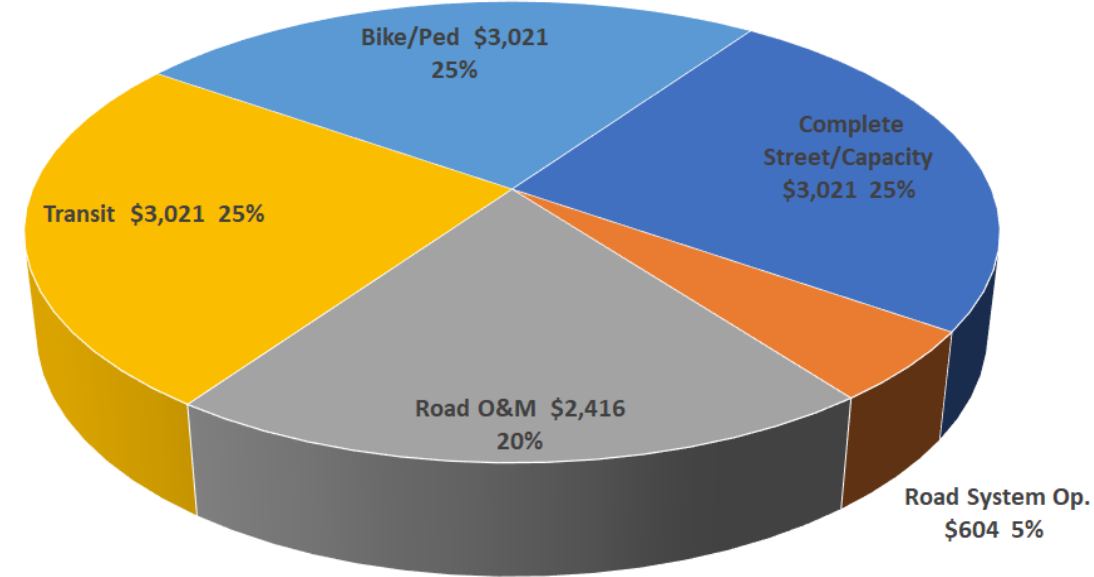
# New Revenue Assumptions

- Local and regional revenue options
- Prior MTPs have made similar assumptions
  - Driven by modal investment mix
    - 2045 MTP used overall MTP investment mix
  - Multimodal in nature
    - Roadway investments targeted at secondary roads
  - In addition to existing ½ cent Wake Transit revenue (sales tax, reg. fee)
- Examples of prior assumptions include:
  - ½ cent sales transit sales tax (Wake, Durham, Orange)
  - ½ cent sales tax equivalent (2035, 2040, 2045 plans)
  - ¼ cent sales tax equivalent (2045 MTP for Franklin, Granville, Harnett, Johnston)
  - VMT based revenue
  - Property tax based revenue
  - New local/regional bond programs (e.g. Pennies for Progress)

# New Regional/Local Revenue Assumptions

## 1 cent sales tax equivalent:

- One cent sales tax equivalent calculation is in alignment with the Charlotte region and other partners across the state.
- ***Complete street policy compliance is key***
- General support for additional bike/ped resources
- Received unanimous TCC recommendation



## Alternative 4 (***1 cent equivalent***) (***currently in use***)

- Amount for Complete Streets/secondary roads remains the same as Alt 3 but share of pie decreases
- Additional resources for both Transit and standalone bike/ped
- Increase for O&M and ITS/TDM
- 2031-2050 total: \$6.042 Billion

# Review data on CAMPO website:

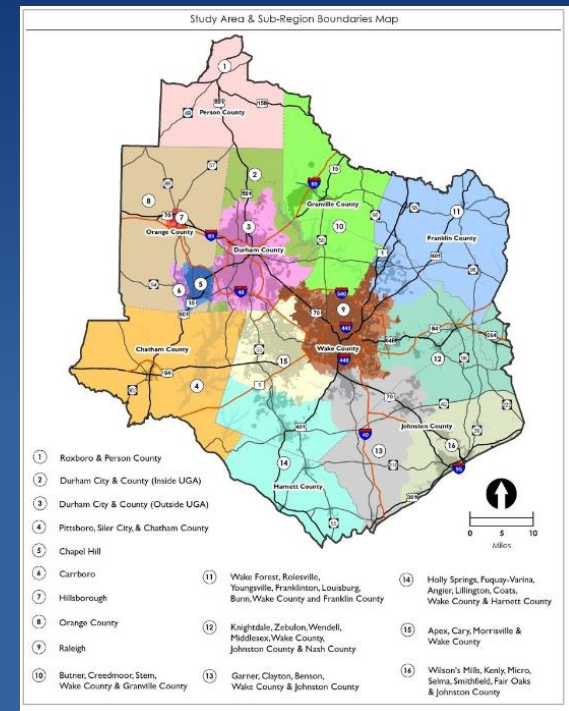
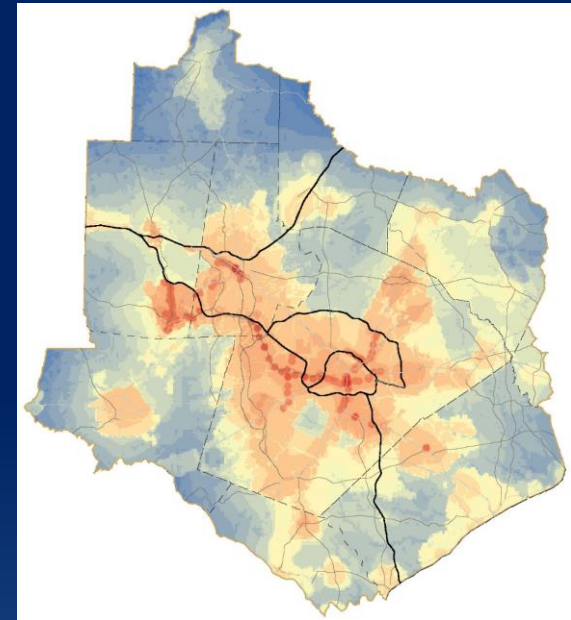
- **Maps:** 2050 MTP Scenario Maps
- **Overview & Details:** 2050 MTP

## Draft Plan Available for Comment:

- Fiscal Constraint updates/refinements\*
- Continue to think about *when* projects may occur and what will be needed to implement them (fiscal resources)
  - If there are questions, contact CAMPO staff to discuss

*All scenarios and metrics remain available online for review.*

*\* Additional refinements, metrics, and analysis may be updated online over the next few weeks.*



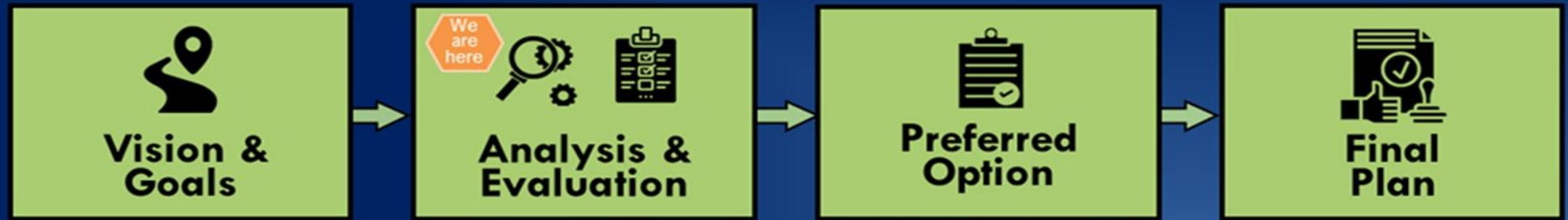
# Draft 2050 MTP Public Comment Period is Oct. 28 to Dec. 8

## Summary of 20 Public Comments (Emails from August – November 2021)

- Requests to remove Future U.S. 401 (bypass) – *Majority of emails received*
- Climate change – All Together not enough to have significant impact  
(received via email and during public comment period at Joint MPO Boards meeting Sept. 2021)
- Support for rail in east Wake
- Support for rail connecting Raleigh, Durham, Chapel Hill to RDU
- Support for increased bus service in west Cary

	First Name	Last Name	Home Location	Comments	Date	Event	Staff Response
1	Joanne	Bornden	Willow Spring	Requests that: 1) Future U.S. 401 bypass be removed and erased from the 2050 MTP. 2) U.S. 401 Corridor Study cease and officially discontinued until specific projects are funded in the STIP and work is underway. Projects: Widening N.C. 42 to 4 lanes • Widening Old Stage Rd to 4 lanes • the Fuquay-Varina Eastern Parkway • U-5751 N.C. 55 and N.C. 42 grade separation over U.S. 401. • Widening Lake Wheeler Rd to 4 lanes • Hilltop Road Relocation • the Western Angier Bypass and very importantly the already funded and already preliminarily designed NCDOT STIP Project #R-5705, which is the Hwy 55 Angier Bypass & Hwy 55 Widening project from Jicarilla Lane in Wake County to Oak Grove Church Rd in Harnett County as well as the unfunded portion of NCDOT STIP Project # of Hwy 55 in Wake County from Hwy 42 at "5-Points" to Jicarilla Lane. Also states that Exec. Board is expected to support local farmers and farmland as opposed to taking action to approve plans which destroy multi-generational farms and farmland.	11/17/2021	Email	Added to public comments for 2050 MTP and U.S. 401 Corridor Study.
2	Amanda	Cedillo	Willow Spring	Request that U.S. 401 corridor not be included in the 2050 MTP, as the study is ongoing and routes not currently selected.	11/17/2021	Email	Added to public comments. Will also reply to Ms. Cedillo to share link to the study website as well as mention that the Future U.S. 401 (bypass) has been included in multiple prior adopted MTPs. One of the goals of the study is to identify a preferred route in order to update the MTP with a more meaningful line (route).
3	Betty	Dickens	Fuquay-Varina	Owens a farm on Parfly Rd. and is concerned the Future U.S. 401 (bypass) will bisect the property. Asks whether the route could be along the lower property line instead of through the farm.	11/17/2021	Email	Study project team will review property questions raised and respond to Ms. Dickens. Added to 2050 MTP and U.S. 401 Corridor Study public comments record.
4	Amanda	Fish	Fuquay-Varina area	Request that U.S. 401 corridor not be included in the 2050 MTP, as the study is ongoing and not completed.	11/17/2021	Email	Added to public comments. Will also reply to Ms. Fish to share link to the study website as well as mention that the Future U.S. 401 (bypass) has been included in multiple prior adopted MTPs. One of the goals of the study is to identify a preferred route in order to update the MTP with a more meaningful line (route).
5	Dustin	Grimes	Fuquay-Varina area	Request that U.S. 401 corridor not be included in the 2050 MTP, as the study is still being conducted.	11/17/2021	Email	Added to public comments. Will also reply to Mr. Grimes to share link to the study website as well as mention that the Future U.S. 401 (bypass) has been included in multiple prior adopted MTPs. One of the goals of the study is to identify a preferred route in order to update the MTP with a more meaningful line (route).
6	Candace	Gray	Fuquay-Varina area	Requests: 1) Remove proposed 401 bypass from 2050 MTP as study is still ongoing; 2) U.S. 401 Corridor Study discontinue until other projects in the area are either constructed or funded so that the data would be more accurate. Projects list: • Widening Lake Wheeler Rd to 4 lanes • Hilltop Road Relocation • Widening N.C. 42 to 4 lanes • Widening Old Stage Rd to 4 lanes • Fuquay-Varina Eastern Parkway • U-5751 N.C. 55 and N.C. 42 grade separation over U.S. 401 • Western Angier Bypass. States that there should be greater support for farmers and it should start with metropolitan plans like this.	11/17/2021	Email	Added to public comments.
7	Gary	McCabe	Fuquay-Varina	Requesting removal of the Future U.S. 401 (Bypass) from the 2050 MTP	11/16/2021	Email	Added to public comments for MTP
8	Phil	Vesley	Wendell	Support for East Wake Commuter Rail	11/2/2021		Added to public comments for MTP
9	Randy	Fenske	Cary, Fuquay-Varina	Requesting removal of the Future U.S. 401 (Bypass) from the 2050 MTP while also requesting that the following projects be moved to highest priority: Fuquay-Varina Parkway from Hwy 42 to Clayton Rd.; Widening of Old Stage Road from U.S. 401 to Hwy 55; Widening of Hwy 55 from Five Points to Jicarilla Ln.; and consider creative strategies such as double decker style bridges and roads	10/29/2021	Email	Added to public comments for MTP

# 2050 MTP Development – Public Engagement Overall



## Vision & Goals

Activity	Performance #
Survey Participants	2,169
Survey comments	400+
Email Comments Received	2
Detailed Website	
Communications Toolkit for Partners	
Paid Digital and Print Media Ads	

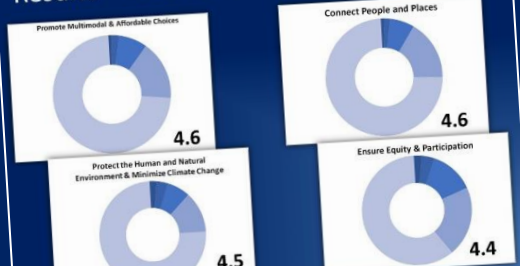
## Alternatives Analysis

Activity	Performance #
Two online public info sessions	20
Survey Participants	763
Survey Comments	1,000+
Email Comments	9
Joint Meeting Public Comment Speakers	13
Detailed website; Interactive maps by scenario	
Communications Toolkit for Partners	
Paid Digital and Print Media Ads	

## Draft 2050 MTP

Activity	Performance #
Email Comments	12
Detailed Website	
Online Interactive map	
Paid Digital Ads	
Printed Legal Ads	

### Results – Goals (highest support)



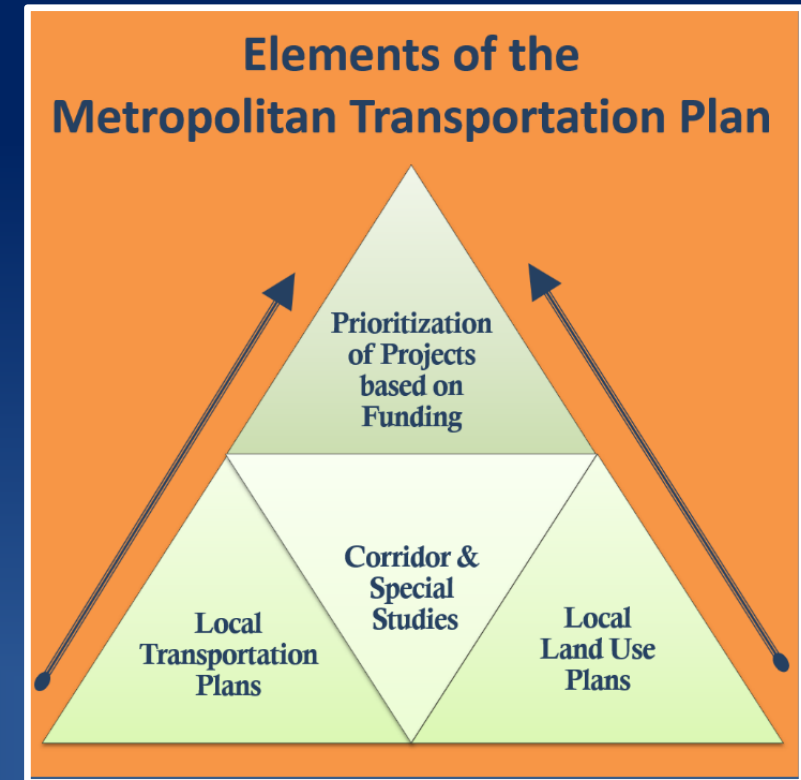
### Alternatives Analysis Survey – Comment Themes (Summer 2021)





# Many Planning Activities that feed into the MTP have significant public engagement, too.

- Large Area Studies
  - Southeast Area Study
  - Southwest Area Study
  - Northeast Area Study
- Corridor Studies
  - NC 98; U.S. 401
- Other Special Studies (modal studies)
  - Triangle Bikeway
- Local Land Use and Transportation Plans
- Transit Plans
  - Wake Transit Plan Update
  - Wake Bus Plan (Update underway)
  - Commuter Rail Planning





## 6.2 2050 Metropolitan Transportation Plan (MTP/CTP) Update

Item	Anticipated Milestone Dates
Draft Plan	October 2021
Public Review & Comment	Oct. 28 – Dec. 8
Public Hearing	Nov. 17, 2021
Approve 2050 MTP pending AQ	Nov./Dec. 2021
AQ Conformity	Dec. 2021 – Jan. 2022
Final 2050 MTP approval	Jan. 2022

**Requested Action:**  
**Conduct Public Hearing.**

END OF PUBLIC HEARINGS

# Roll Call Vote for Action Items:

*Consent Agenda (Executive Board October 2021 Meeting Minutes; FY 22 UPWP Amendment #1; FY 22 Q2 Wake Transit Work Plan Amendments; Public Transportation Agency Safety Performances Measures & Targets: Triangle Bikeway Study Contract Amendment), TIP Amendment #6*

City of Creedmoor

City of Raleigh (5)

County of Franklin

County of Granville

County of Harnett

County of Johnston

County of Wake (2)

GoCary

GoRaleigh

GoTriangle

Town of Angier

Town of Apex

Town of Archer Lodge

Town of Bunn

Town of Cary (2)

Town of Clayton

Town of Franklinton

Town of Fuquay-Varina

Town of Garner

Town of Holly Springs

Town of Knightdale

Town of Morrisville

Town of Rolesville

Town of Wake Forest

Town of Wendell

Town of Youngsville

Town of Zebulon

N.C. Dept. of Transportation (6)

N.C. State University

Raleigh Durham Airport Auth.

Research Triangle Foundation

Rural Transit (GoWake Access)

Triangle J. Council of Govts.

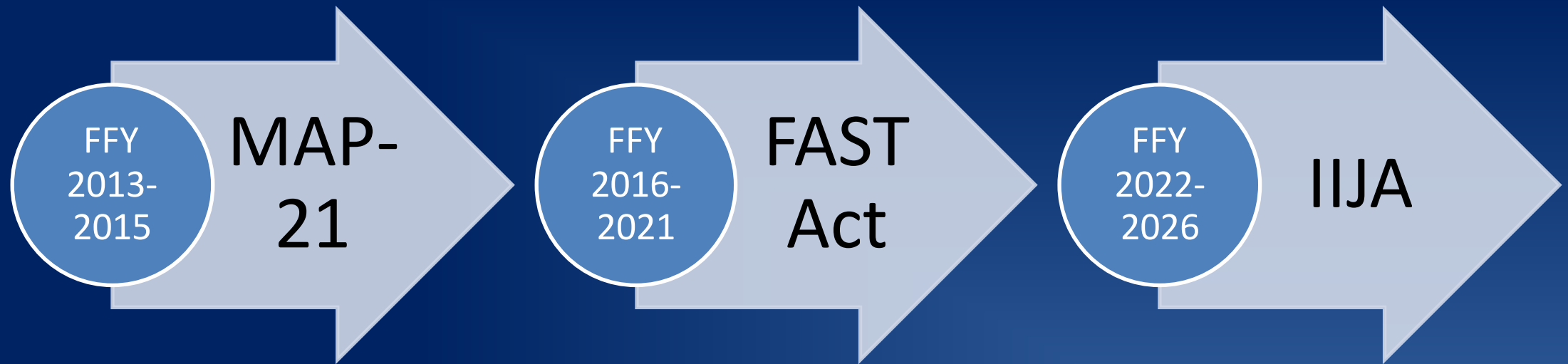
Triangle North Executive Airport

# 7.1 Federal Surface Transportation Funding Reauthorization Bill Update

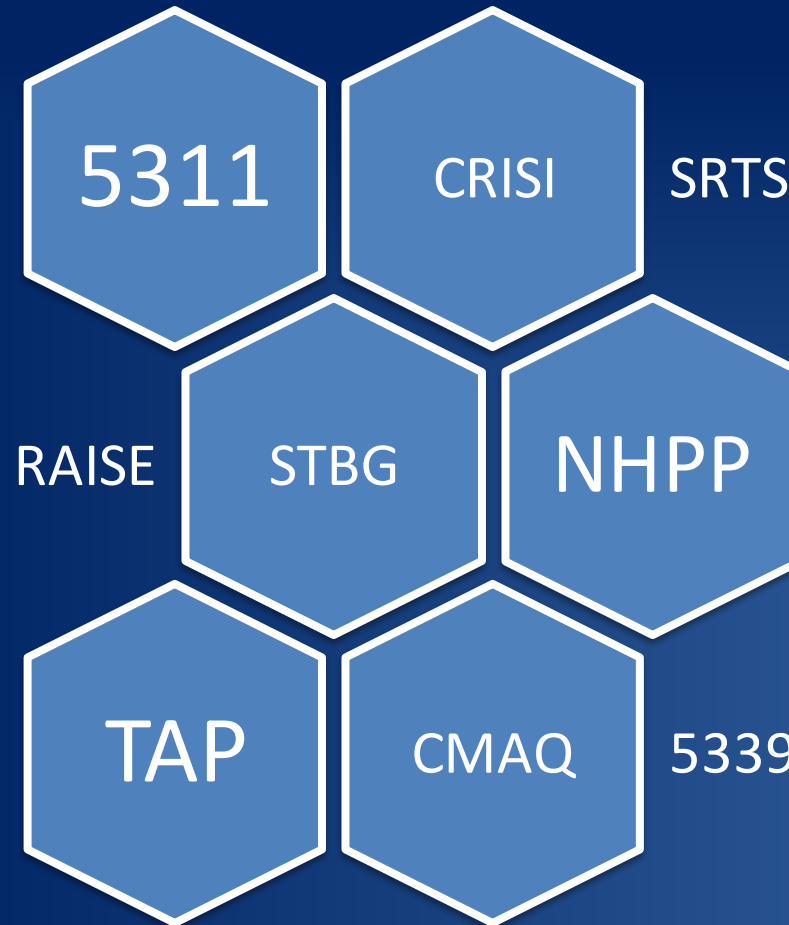
## Infrastructure, Investment, and Jobs Act

Signed 11/15/2021

# Federal Surface Transportation Reauthorizations



Reauthorization Outlines Federal Funding Programs that Support SPOT, LAPP, Transit, Planning, Major Infrastructure, ITS, and more..



# Reauthorization Shows Increased Funding Compared to FAST Act

\*State/MPO Apportionments not released yet

AGENCY	In \$ billions							
	2021 ACTUAL	2022	2023	2024	2025	2026	TOTAL	AVG
HIGHWAYS/FHWA	49.0	67.7	69.0	70.3	71.5	72.9	315.3	70.3
TRANSIT/FTA	12.8	17.6	17.9	18.2	18.5	18.9	91.2	18.2
RAIL/FRA	2.5	13.2	13.2	13.2	13.2	13.2	66.0	13.2
SAFETY/NHTSA	1.0	1.3	1.3	1.3	1.4	1.4	6.7	1.3
SAFETY/FMCSA	0.7	1.0	1.0	1.0	1.0	1.0	5.1	1.0

Source: AASHTO

# Noteworthy Funding Change: Discretionary Grants

- \$100.7B over 5 years
- **Significant** Increase from FAST Act
- Competitive Funding Programs, not allocated by formula
- Ex: RAISE, CRISI (S-Line), BUILD (RUS BUS), FTA Small Starts (New Bern BRT)
- New Program: Safe Streets. Supports Vision Zero.



Appropriations for USDOT Grants to State/Local Governments in BID		Formula	Competitive
OST	Megaprojects		5,000.0
OST	RAISE Grants		7,500.0
OST	Safe Streets		5,000.0
OST	Culverts		1,000.0
OST	SMART		500.0
FAA	Airport Grants - Airside	14,900.0	100.0
FAA	Airport Grants - Terminals		5,000.0
FHWA	Bridge Program	27,500.0	9,235.0
FHWA	EV Charging Infrastructure	5,000.0	
FHWA	INFRA Grants		3,200.0
FHWA	Reduce Truck Emissions in Ports		150.0
FHWA	Reconnecting Communities		500.0
FHWA	Ferry Boats and Terminals	342.0	
FHWA	Appalachian Highways	1,250.0	
FRA	CRISI Grants		5,000.0
FRA	Railroad Crossing Elimination		3,000.0
FRA	Fed.-State Partnership for IPR		36,000.0
FTA	State of Good Repair Grants	4,750.0	
FTA	Low-No Emission Bus Grants		5,250.0
FTA	Capital Investment Grants		8,000.0
FTA	ADA Upgrades to Rail Transit		1,750.0
FTA	Electric or Low-Emission Ferries		250.0
FTA	Rural Passenger Ferry Service		1,000.0
MARAD	Port Infrastructure Development		2,250.0
PHMSA	Nat. Gas Pipeline Modernization		1,000.0
Total, US Department of Transportation		53,742.0	100,685.0

Source: Eno Center for Transportation

# Noteworthy Policy Updates (NACTO)

- **Complete Streets:** States and MPOs must use 2.5 percent of their overall funding to develop and adopt complete streets policies, active transportation plans, transit access plans, transit-oriented development plans, or regional intercity rail plans. However, these policies do not have to be included in state or MPO spending plans.
- **Vision Zero:** The new Safe Streets and Roads for All program contains funding for states, MPOs, and local entities to carry out Vision Zero plans.
- **Crash Data:** The IIJA requires new crash data systems to distinguish between bicycles, electric scooters, and wheelchairs.

# Noteworthy Policy Updates (NACTO)

- **Vehicle Safety:** This bill requires the Secretary to update NCAP, hood, and bumper safety standards to consider the safety of people outside a vehicle, with an emphasis on crash avoidance technologies. NACTO called for this change and further action.
- **MUTCD:** The IIJA mandates that revisions to the Manual must account for the safety and mobility of all road users and protect vulnerable road users.
- **Climate:** The IIJA addresses climate priorities through the introduction of several new grant and formula programs dedicated to funding electrification, resilience, and other potential low- or no-carbon solutions.

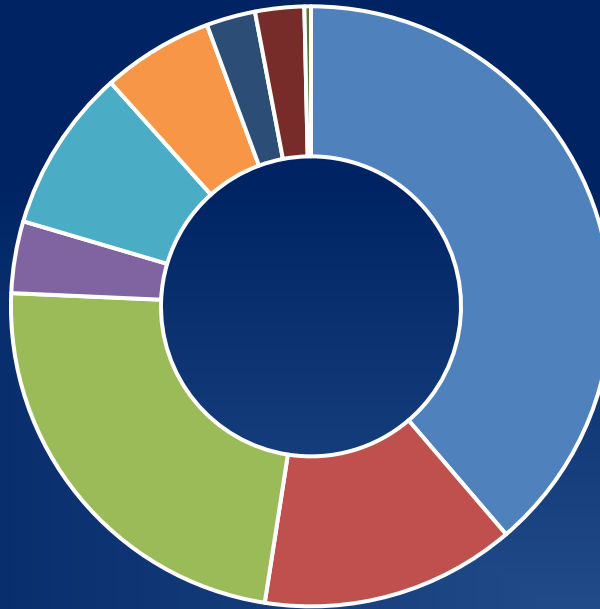
## “Above Baseline”

### \$550 Billion, in Addition to What?

- \$550 billion, in addition to **BASELINE**.
- Baseline = whatever the federal government was already spending.
- Baseline include surface transportation reauthorization (Highway Trust Fund) plus the regular annual appropriations for infrastructure.
- For Highway Trust Fund contract authority programs, baseline was last year of FAST Act (FY 2020), which was then repeated in FY 2021 via a one-year extension, times 5 for FY 2022-2026 baseline.
- FY 2020 total contract authority = \$58.709 billion.
- Times 5 = **\$293.5 billion baseline**.

Source: Eno Center for Transportation

# “Above Baseline” Transportation Funding



\*284 Billion Over 5 Years

\*MOST of this funding is included in formula and discretionary program apportionments

- Roads & Bridges: \$110 billion
- Rail: \$66 billion
- Airports: \$25 billion
- Electric vehicle chargers: \$7.5 billion
- Reconnecting Communities: \$1 billion

- Transit: \$39 billion
- Safety: \$11 billion
- Ports & Waterways: \$17 billion
- Electric buses: \$7.5 billion

# “Above Baseline” Infrastructure Beyond Transportation

- **Water:** \$55 billion
- **Broadband:** \$65 billion
- **Energy & Power:** \$73 billion
- **Environmental remediation:** \$21 billion
- **Western water infrastructure:** \$8.3 billion
- **Resiliency:** \$46 billion



# 7.1 Federal Surface Transportation Funding Reauthorization Update

## More Information to Come

- Apportionment Tables
- Impacts to State and MPO
- Opportunities
- Implementation Changes

Requested Action:  
Receive as Information

## 8. Informational Items: Budget

### 8.1 Member Shares - FY 2022

### 8.2 Operating Budget – FY 2022

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



## 9.1 Informational Item: Project Updates

### Studies:

- FY 32 UPWP
- Cary-RTP and Garner-Clayton Rapid Bus/BRT Extension
- Southeast Area
- Triangle Bikeway Implementation
- US 401 Corridor
- Western Wake Traffic Signal System Integration
- Mobility Management Program Implementation

### Other Updates:

- Mobility Coordination Committee
- Safe Routes to Schools Committee
- Safe Routes to Schools Road Safety Audit w/ NCDOT
- Non-Motorized Volume Count Data Program
- Triangle Transportation Choices (TDM) Program
- Public Transportation Agency Safety Performance Measures & Targets
- NCDOT Project U-2719 Update
- Wake Transit Community Engage. Policy Update

## 9.2 Informational Item: Public Engagement Updates

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

## 10. Informational Item: Staff Reports

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

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

# ADJOURN

## Upcoming Events

Date	Event
<b>December 2, 2021</b> <b>10:00 a.m.</b>	<b>TCC Meeting</b> <b>Virtual</b>
<b>December 8, 2021</b> <b>4:00 p.m.</b>	<b>Executive Board Meeting</b> <b>Virtual</b>