

**TRANSPORTATION ADVISORY  
COMMITTEE (TAC)**

**TECHNICAL  
COORDINATING COMMITTEE  
(TCC)**

*October 19, 2023*



ETHICS AWARENESS  
&  
CONFLICT OF  
INTEREST REMINDER

Pursuant to NCGS §138A-15 (e):

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

# RPO PLANNER REPORT

- Prioritization 7 Projects Update
- CMAQ/CRP Applications
- CTP



**NORTH CAROLINA**  
Department of Transportation

# What's a Comprehensive Transportation Plan? (CTP)

Phil Geary, P E  
Transportation Planning Division  
October 2023

Connecting people, products and places safely and efficiently with customer focus, accountability and environmental sensitivity to enhance the economy and vitality of North Carolina

## Long-range needs-based plan (25-30 years)



➤ **Consensus on a future transportation system**

➤ **Multimodal**

➤ **Highway** 

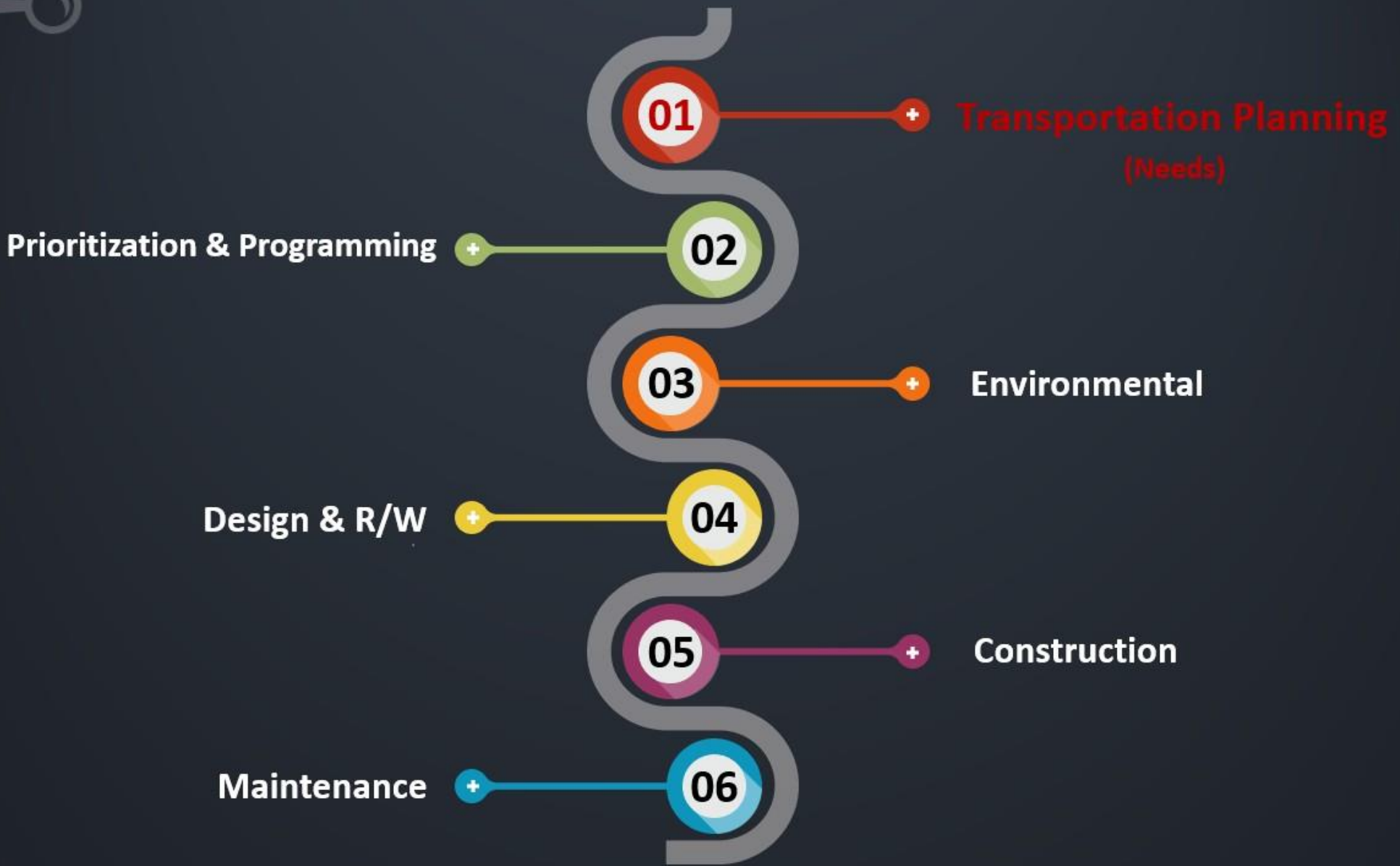
➤ **Bicycle / Pedestrian**  

➤ **Public Transportation / Rail**  

\*CTPs required by NC General Statute § 136-66.2

# First step in the development of a project







➤ **Cooperative**

**RPO  
Public  
Counties  
Municipalities  
Community Stakeholders  
NCDOT**



➤ **Adopt**

- **Locally (Counties and municipalities)**
- **NCDOT Board of Transportation**

➤ **Endorse**

- **RPO**

# CTP Products

## Deliverables



Scan link for CTP Example

The cover features the title "MACON COUNTY" in large white letters, with "COMPREHENSIVE TRANSPORTATION PLAN" below it. A horizontal line separates the title from the subtitle. Below the subtitle are five circular icons representing different modes of transport: a car, a bicycle, a pedestrian, a bus, and a train. At the bottom, there is a map of North Carolina with Macon County highlighted in blue. The date "OCTOBER 2021" is printed at the bottom right, and a logo is at the bottom left.

The page features a background image of a waterfall. The word "VISION" is written in large, bold, white letters. Below it, a white text box contains the following text:  
**VISION**  
Macon County envisions a safe and reliable transportation network that accommodates all users and connects our people with the goods and services they need to thrive.  
This transportation system supports economic development opportunities, promotes healthy communities, and adapts to changing technologies while also preserving the natural beauty and rural character of our county.  
-Vision statement from the Macon County CTP Steering Committee

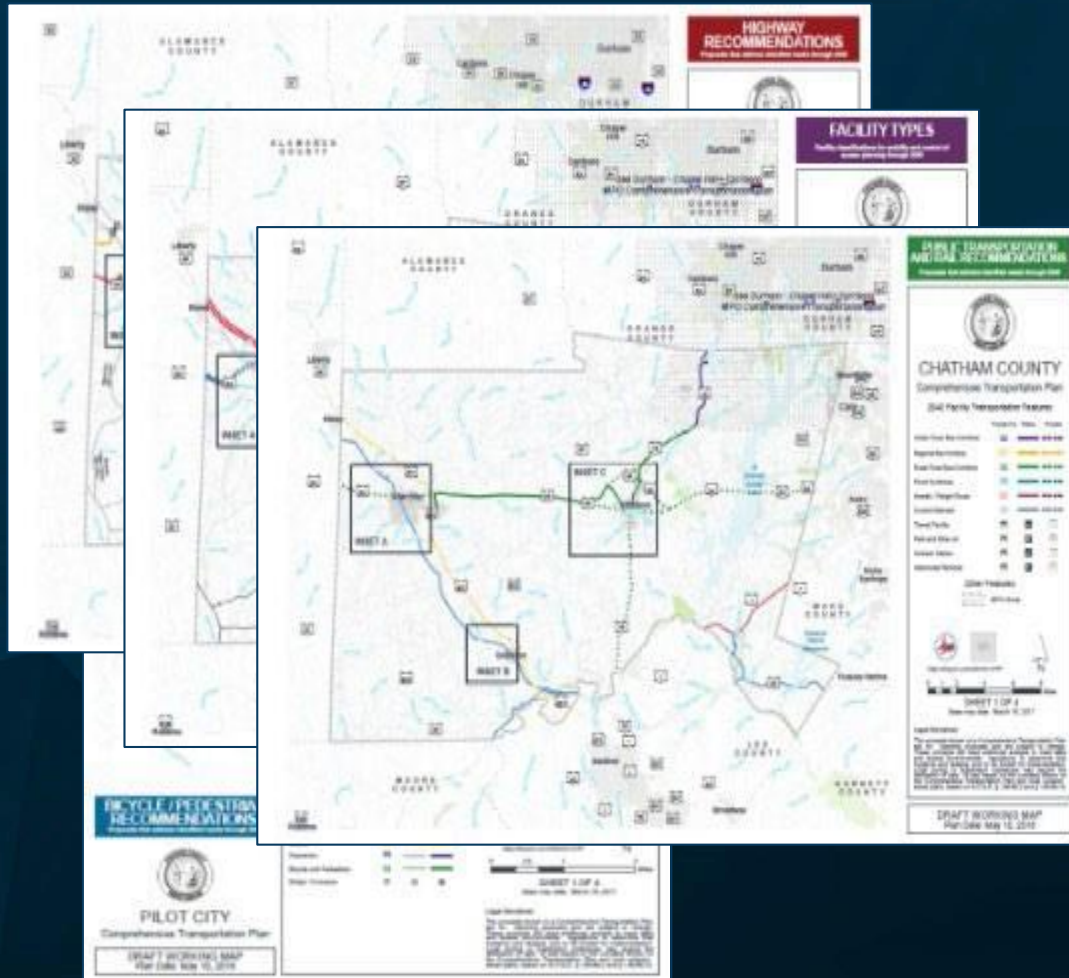
The page is titled "Chapter ONE Introductions and Overview" in large, bold, teal letters. Below the title, there is a section titled "PURPOSE AND OVERVIEW" in bold teal letters. The text below reads:  
This plan is reviewed by a CTP steering committee comprised of NCDOT, the Southwestern Rural Planning Organization (RPO) and local planning partners.  
The CTP supports the community's adopted vision and goals by integrating land use and transportation planning. This should be used by local officials to ensure that planned transportation facilities reflect the needs of the public, while minimizing the disruption to local residents, businesses and environmental resources. The CTP process is designed to provide useful information into the project development process.

Below this is another section titled "VISION" in bold teal letters. The text below reads:  
The CTP vision, goals and objectives are developed as part of the public involvement process and help identify how residents in an area would like to develop the transportation system.  
When starting a CTP study, officials form a steering committee of individuals who represent the various needs, issues and populations of the community. The committee develops the draft vision, goals, objectives and performance measures. These are further refined with input from residents and then used to guide the development of the CTP.

# CTP Products

## Deliverables

### Recommendations Maps



## Recommendations Lists

### Macon County Highway Project Proposals

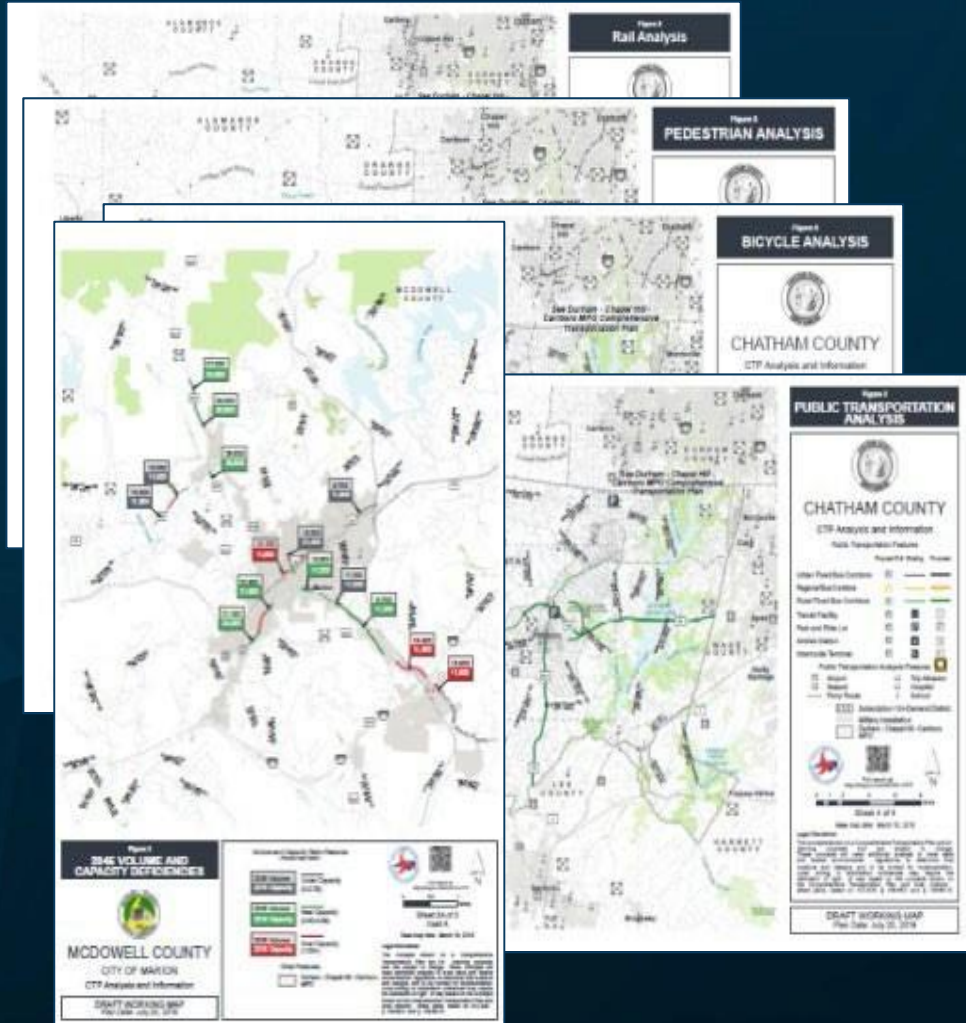
- 1 U.S. 64 (Murphy Road):**   
 From the Clay County boundary to W. Old Murphy Road (State Road 1448)  
 Improve to a two-lane road with a climbing lane to increase mobility in the presence of slower vehicles. Increase shoulders to 4 feet.
- 2 U.S. 64 (N. 4th Street):**   
 From Highlands town limits to the Jackson County line  
 Modernize to 11-foot lanes with 4-foot paved shoulders
- 3 U.S. 441-23, R-5734C:**   
 From the Georgia state line to Prentiss Bridge Road (State Road 1040)  
 Redesign to a four-lane, boulevard by replacing the center turn lane with a median. Improve access control at intersections using a reduced conflict intersection design.
- 4 U.S. 441 (Sylva Road):**   
 From the end of the four-lane section near Sanderstown Road to the Jackson County line  
 Modernize to a four-lane divided expressway with 12-foot lanes and 4-foot paved shoulders
- 5 U.S. 441 (Sylva Road) and U.S. 441 BUS (E Main Street) Intersection:**   
 Improve intersection
- 6 N.C. 28 (Highlands Road):**   
 From U.S. 441 Business (E. Main Street) to Thomas Road  
 Redesign to a two-lane divided road by replacing the middle left turn lane with a median. Improve access control by using reduced conflict intersection design.
- 7 N.C. 28 (Highlands Road):**  
 From Rogers Road to Walnut Creek Road (State Road 1533)  
 Modernize this road to include 4-foot paved shoulders. While not fully relieving congestion, it was deemed acceptable to pursue minor upgrades.
- 8 N.C. 28 (Bryson City Road):**  
 From Sanderstown Road (State Road 1335) to Cowee Creek Road (State Road 1340)  
 Modernize to 11-foot lanes and 4-foot paved shoulders



# CTP Products

## Deliverables

### Analysis and Informational Maps



### Project Sheets

GreaterHickoryMPO CTP

#### North Crosstown Loop

From 2nd Street NE (NC 127) to NC 16

Local ID: U-2531  
Purpose: System Linkage  
Improvement: New Location (part on existing)

Identified Need

Areas north-east of Hickory and north of Conover are currently lacking in east-west connectivity. The primary routes through this residential area are currently Springs Road (SR 1453), Section House Road (SR 1491), Country Home Road (SR 2291), and 8th Street Drive NE (SR 1401). These four roads gen

Recommendation

The TIP project includes a four lane boulevard on new location from NC 127 in Hickory to NC 16 in Conover. U-2531 would improve existing Spencer Road (SR 1441), which is currently a two lane facility.

Congestion / Mobility

Access Management / Operations

Modernization

Other

Interchange

Bridge / Overpass

Intersection

Proposal At A Glance		2019 Base Year		2049 Future Year	
Highway Class	Access Management & Operation	Improved Route	Existing	Without Proposal	With Proposal
Facility Type	Major Thoroughfare	Facility Type	Major Thoroughfare	Major Thoroughfare	Major Thoroughfare
Typical Section	04 A	Travel Lanes	2	2	4
Section Options	04 B, 04C, 04D, 04E	Volume (vpd)	2600-3400	10000	13100-14200
Estimated Cost	\$50,000,000	Capacity (vpd)	12200-12700	12200-12700	37800-41400
Length (miles)	2.82	New Location	Existing	Without Proposal	With Proposal
Existing ROW (feet)	90-200	Facility Type	-	-	Major Thoroughfare
Safety Risk Score	1-10	Travel Lanes	-	-	2-lane
		Volume (vpd)	-	-	14200
		Capacity (vpd)	-	-	37800-41400
		Safety Risk Score	-	-	-
		Capacity Data:	Year	Impacted Route	Existing
		Facility will be Approaching Capacity (>80%)	2019	Minor Thoroughfare	Minor Thoroughfare
		Facility will be Over Capacity (>=100%)	2049	Minor Thoroughfare	Minor Thoroughfare
		Travel Lanes	2	2	2
		Volume (vpd)	5000	8000	15000
		Capacity (vpd)	10000	10000	20000

Project Sheets

04/02/2020

**Pause for Questions/Thoughts**

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# To begin the 2050 KTRPO Regional CTP...

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We need your help with the following!

- Community Understanding Report (CUR)
- Travel Demand Model (TDM)
- County contacts to help with the CUR and TDM

# Community Understanding Report (CUR)

CUR is a list of questions to answer—

- Provides key info about the planning area
- Helps identify stakeholders and steering committee members
- Informs vision, goals, and objectives



# Travel Demand Model (NCDOT 15-month process)

## Data assistance kindly requested for:

- Employment—contacting employers with 50+ employees to confirm number of employees and address
- Schools—enrollment data
- Certificate of Occupancy data after 2020
- 2050 population/employment—where will future jobs and housing be

**Thank you!**

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# DISCUSSION ITEMS



Letter of Support



Amended Bylaws

TCC  
CONSENT  
AGENDA



August 24th  
Minutes



Letter of Support

# TAC CONSENT AGENDA



**August 24th  
Minutes**



**Letter of Support**



NCDOT BOARD OF  
TRANSPORTATION UPDATES –  
SEPTEMBER AND OCTOBER



NCDOT DIVISION 5 UPDATES AND  
MAINTENANCE REPORTS



MEMBER UPDATES FROM  
AROUND THE REGION/OPEN  
DISCUSSION



PUBLIC COMMENT PERIOD



ADJOURNMENT