

### **NORTH CAROLINA** Department of Transportation



# Long Range Transportation Planning

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NCDOT Pre-Construction Workshop May 8-9, 2018

## **Transportation Planning Division**

**Mission:** To identify long range regional and statewide transportation deficiencies and propose solutions using a data driven, customer engaged, and result oriented process with accountability and environmental sensitivity

- Highlighted Products:
  - Comprehensive Transportation Plans (CTPs)
  - Administration of Planning Programs, working closely with 19 MPOs and 18 RPOs
  - Various long range plans: Statewide Transportation Plan, Statewide Freight Plan, etc.
  - Traffic Surveys (AADT maps, etc.)
  - Traffic Forecasts

# **Transportation Plans**

### **Comprehensive Transportation Plan (CTP) &**

### the Metropolitan Transportation Plan (MTP)

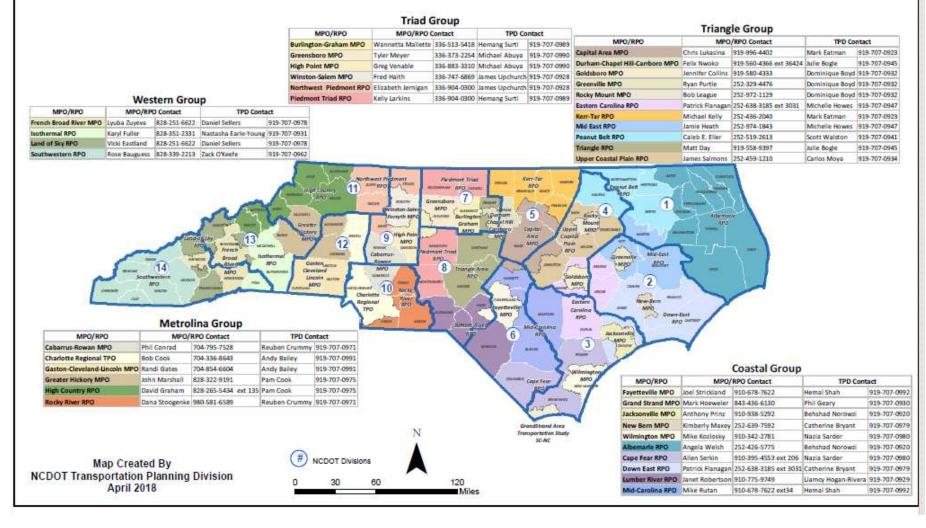
(may be combined into a single long range transportation plan in urban areas)

- Is <u>Long-Range (</u>20-30 years)
- Is Multimodal: Highway, Public Transportation/ Rail, Bicycle and Pedestrian
- Is developed cooperatively with NCDOT, the MPO or RPO, County and Municipal stakeholders, and the public.

It is important to note that CTP/ MTP recommendations are Concepts and each project proposal will go through a thorough more detailed environmental review & design before a final alignments are determined.

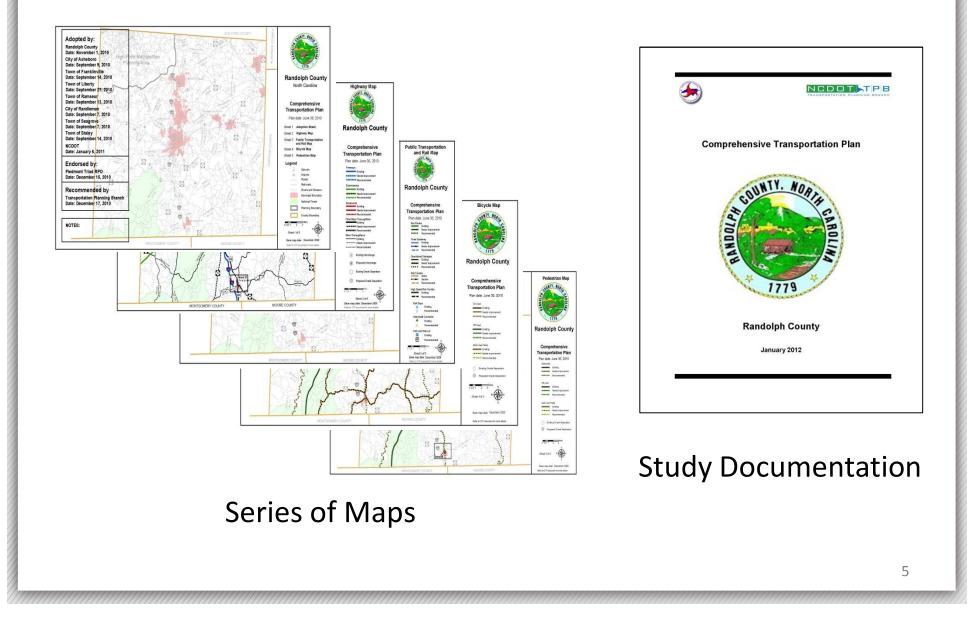
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#### Metropolitan Planning Organizations, Rural Planning Organizations, NCDOT Divisions and TPD Planning Groups Contacts



#### Long Range Transportation Planning

# **Comprehensive Transportation Plans**



# Long Range Transportation Planning

- CTPs
  - Developed cooperatively with MPOs/ RPOs
  - CTP 2.0 is effort underway to update and improve products
  - Information is shared (i.e. through Scoping, etc.) Sharing this information is called....
- Integration
  - Federal regulation refers to as "Planning and Environmental Linkages"
  - Training being developed for 2018-2019
  - Some products already available to help project delivery

# Purpose of CTP 2.0 Effort

- To properly reflect changes that have occurred:
  - ~ Complete Streets
  - ~ STI / Prioritization
  - ~ Changes to online mapping applications
  - ~ Customer feedback (external/ internal)
- To optimize limited resources & improve customer service
- To ensure CTPs are RELEVANT & USEFUL

## What "Integration" Is...

...a planning process that provides a seamless connection between long-range transportation planning and project development that ultimately leads to supporting the timely delivery of projects.

| Land Use Planning       |
|-------------------------|
| and                     |
| <b>Community Vision</b> |

Long Range Transportation Planning

Project Planning (NEPA)



### Long Range **Transportation Planning**

### **Project Development**

Problem Statement **Purpose & Need** 

**Alternatives Analysis** 





**Community Impact Community Impact Analysis** Assessment

**Indirect & Cumulative Effects Screening** 

**Indirect & Cumulative Effects** Analysis

**Public/ Stakeholder** Involvement

**Public/ Stakeholder** 

Involvement

#### Integration

| Conne          |         |                   | SOURCES  |      |            |           |           |                   |          | h Home        | P Help    | Team Sites | s 🞯 Site Map |
|----------------|---------|-------------------|----------|------|------------|-----------|-----------|-------------------|----------|---------------|-----------|------------|--------------|
| Doing Business |         | Bidding & Letting |          |      | Projects   | Resource  | s Local   | Local Governments |          |               |           |            | Q e          |
| Planning       | Constru | ction             | Research | Road | way Design | Work Zone | Contracts | Toolkit           | High Pro | file Projects | Bicycle & | Pedestrian |              |

#### **Integration Project**

Linking Long Range Transportation Planning and Project Development

♠ ► Connect NCDOT ► Projects ► Planning ► Integration Project

#### **Integration Project**

#### Linking Long Range Transportation Planning and Project Development

#### "Planning and Environmental Linkages"

The North Carolina Department of Transportation has undertaken a major process improvement to integrate the long range transportation planning process with the project development process. In North Carolina the long range transportation planning process is called the Comprehensive Transportation Planning process and leads to the development of Comprehensive Transportation Plans (CTP). In MPO areas, there are additional federal requirements for long range transportation plans, including for plans to be fiscally constrained (often called Metropolitan Transportation Plans or MTPs). The project development process in North Carolina is handled through the Section 404/ NEPA Merger 01 process (called the Merger process) or other means to follow the National Environmental Policy Act (NEPA) and its state counterpart, State Environmental Policy Act (SEPA). The Integration Project was designed to improve the linkage between any type of long range transportation plan (CTPs or MTPs) and project development, whether handled through the Merger process or other means.

The Integration Project was designed through the work of a multi-agency 'Integration Team.' This work resulted in the identification of multiple 'linkages,' or topic areas, between long range planning and project development, where products from the CTP process could inform or serve as the starting point for NEPA/ SEPA. An 'Integration Implementation Team' (IIT) was formed to direct the implementation of the Integration Project. Under the leadership of the IIT, small working groups designed best standards and practices for accomplishing the goals of integration. Integration

#### Integration General Information

FAQ-Integration Highlights and Where Do I Find It

Integration Project Overview

Management Structure and Roles

#### Integration Linkages

| CTP Guidelines   | PDF |
|--|-----|
| CTP Process Map  | PDF |
| Interagency Coordination Protocol  | PDF |
| Protocol Companion Tables  | x   |
| Public Engagement Toolkit Video<br>(unzip and play in Internet Explorer) | ZIP |

#### Indirect and Cumulative Effects

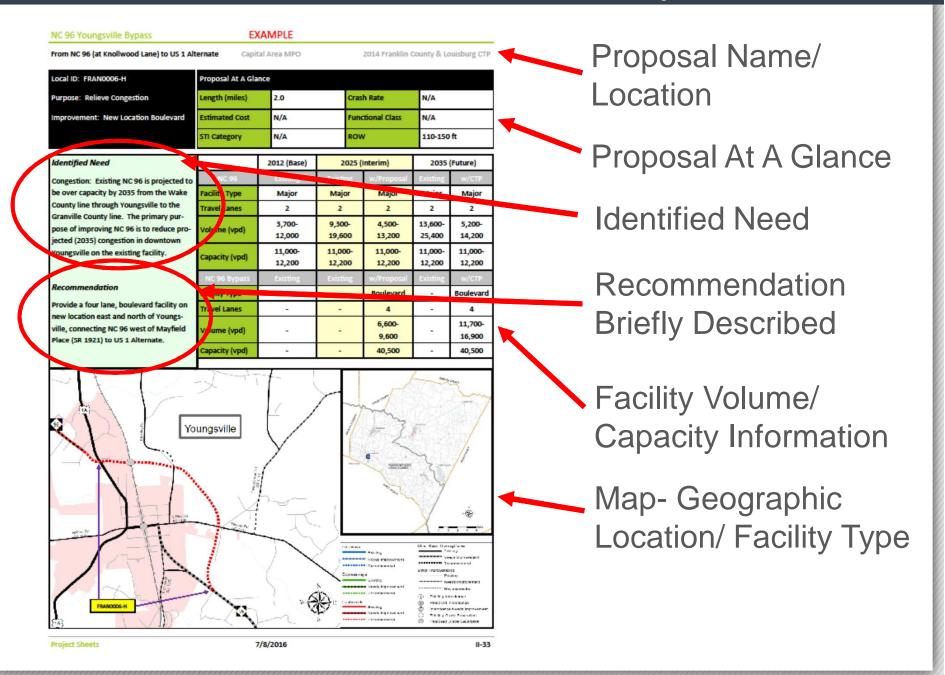
Indirect and Cumulative Effects (ICE) assessment in long range planning enables planners to identify potential challenges early, informs decision-making, provides information

## Problem Statement to Purpose and Need

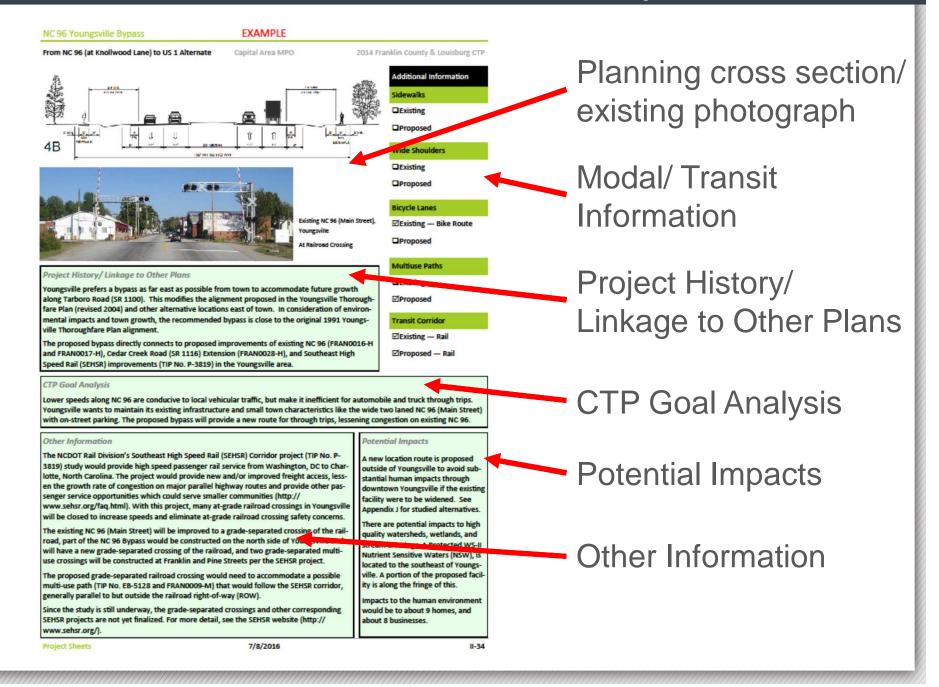
### • Purpose

- Communicate the need, context, and concept for project proposals (all modes) from a long range transportation plan (MTP/ CTP)
- Intent
  - Form substantial core of purpose and need
  - Save time in preparing and/ or agreeing to the purpose and need in project development

#### Integration- Problem Statement



#### Integration- Problem Statement



# Alternatives and Scenario Analysis

- Intent
  - Input into project development alternatives to help inform decision of which to study in detail and those to eliminate
  - May also help with scoping/ cost estimate/ scheduling/ etc.

### • Products (Alternatives for select Project Proposals)

- Evaluation documented in Appendix
- Alternatives Impacts Table (GIS level screening)
- Alternatives Evaluation Table

# Community Impacts Assessment

- Intent
  - Identify, include, and address community attributes and potential community impacts in transportation decision-making
  - Input into CIAs, background info for P&N and Alts
- Products
  - Potential Committee Members Lists
  - Potential Stakeholders Lists
  - Committee Member/ Stakeholder Table
  - Community Understanding Report

### AECOM

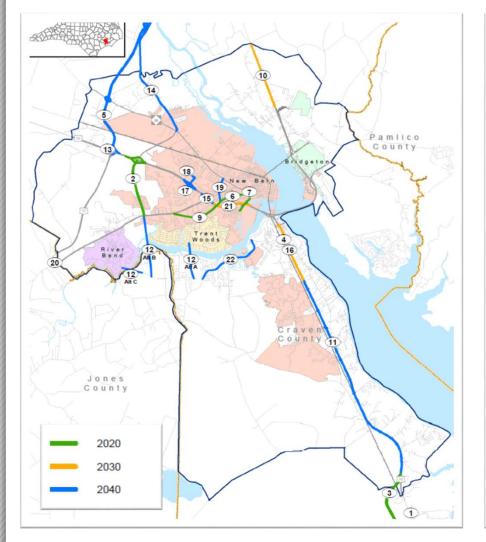
# Indirect and Cumulative Effects



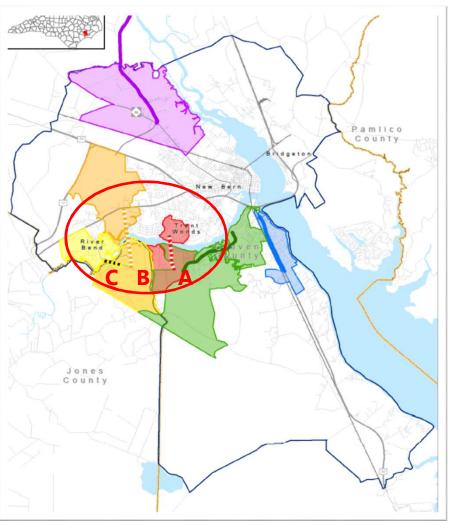
#### Indirect and Cumulative Effects in Long Range Planning

### ncdot.gov

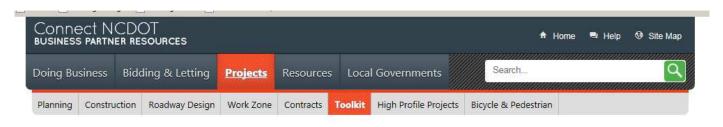
## Regional and Project Proposals Screenings



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#### Integration- Public/ Stakeholder Involvement



#### Public Engagement Toolkit Practical information for more effective public engagement.

♠ ► Connect NCDOT ► Projects ► Toolkit

Welcome to the North Carolina Department of Transportation's Public Engagement Toolkit. This toolkit provides practical information for project managers looking for ways to better engage the public as part of a plan, project or study process.

#### **Public Engagement Techniques**

Searchable list of public engagement techniques with detailed descriptions

Read More ->

#### **Public Engagement Resources**

Constantly expanding library of public engagement related resources. These may be websites, articles, manuals, case studies, and more

Read More ->

#### **Public Engagement Glossary**

Terms and definitions to assist users in better understanding conversations, resources, and materials found in this toolkit.

Read More ->



#### **Register & Participate**

This toolkit is meant to be a collaborative effort and we need your help to continually make it better. By registering you can actively participate in the enhancement of the content of this toolkit. Registration will allow you to view sample files that other users have uploaded, post comments and initiate new discussions, and submit new information that will help keep this tooklit upto-date and relevant for all users.

Register

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# Interagency Coordination Protocol

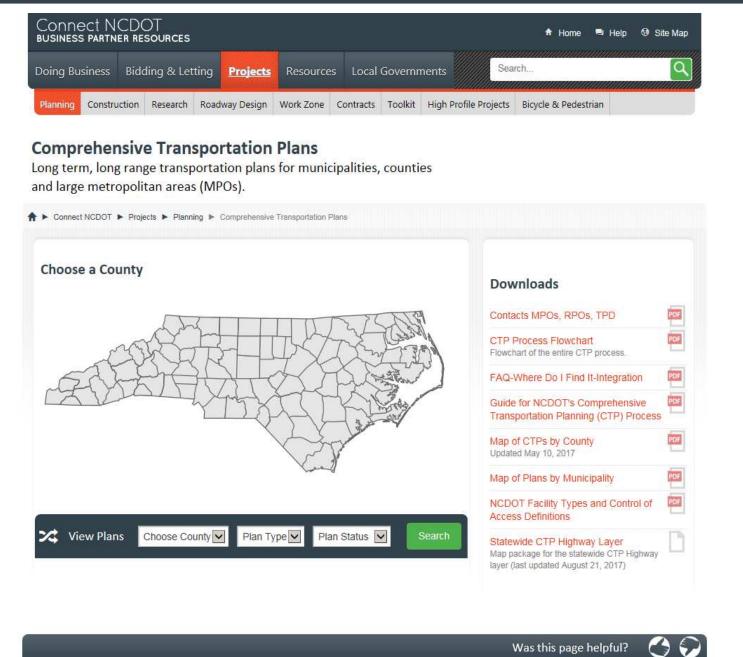
- NC Dept. of Environmental Quality
  - Division of Water Resources
  - Division of Coastal Management
  - Division of Marine Fisheries
- NC Dept. of Natural & Cultural Resources
  - State Archaeology Office
  - State Historic Preservation Office
- NC Wildlife Resources
  Commission

- US Army Corps of Engineers
- US Fish and Wildlife Service
- EPA
- US Forest Service
- National Park Service
- NOAA- National Marine Fisheries
- NC Dept. of Agriculture-NC Forest Service, Farmlands
- NC DHHS
- NC Dept. of Commerce
- Tennessee Valley Authority

# Where Do I Find This Info For <u>MY</u> Project??

<u>https://connect.ncdot.gov/projects/planning/Pages/</u> <u>Comprehensive-Transportation-Plans.aspx</u>

#### Long Range Transportation Planning



## Where is Information in the CTP?

| Type of  | Location in CTP  |
|--|--|
| Information  | Documentation <sup>1</sup>   |
| Problem Statements   | Chapter 2, 'Problem Statements'  |
| Alternatives/ Scenarios Analysis                             | Appendix I, 'Alternatives & Scenarios<br>Studied'                                  |
| Multi-modal Analysis   | Ch.1, 'Public Transportation and Rail'<br>and 'Bicycles and Pedestrians'' sections |
| Land Use related to CTP <sup>2</sup>                         | Ch.1, 'Land Use' section   |
| Community Understanding Report<br>(CUR)                      | Some info in Ch.2 Problem Statement,<br>Full CUR- request from TPD contact         |
| Public Involvement   | Appendix H, 'Public Involvement'   |
| Environmental Considerations &<br>Environmental Features Map | Ch.1, 'Consideration of the Natural and<br>Human Environment' section              |

# Connecting Long Range Planning to Project Development

Land Use Planning and Community Vision Long Range Transportation Planning Project Planning (NEPA)

<u>https://connect.ncdot.gov/projects/planning/Pages/</u> Integration-Project.aspx

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