

NASH COUNTY CTP

COMPREHENSIVE TRANSPORTATION PLAN



Multimodal Transportation Planning for Nash County and Communities

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WHAT IS CTP?

- a Long Range, Multi-modal Transportation Plan
- developed cooperatively with NCDOT, the RPO (Upper Coastal Plain RPO), county and municipal governments
- identifies major transportation improvement needs, emphasizes integration of transportation planning with land use, reduces project costs associated with right-of-way and construction activities.
- Final Plan is adopted/endorsed at three levels
 - LOCAL LEVEL - County Commissioners and/or municipal officials
 - REGIONAL LEVEL- Upper Coastal Plain RPO
 - STATE LEVEL- North Carolina Board of Transportation



WHAT IS CTP?

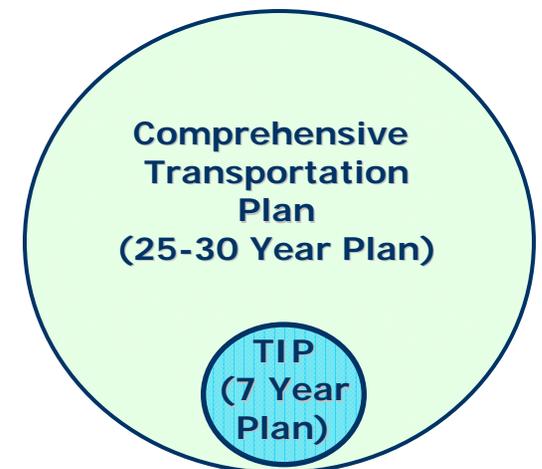
- Comprehensive Transportation Plan is a mutually adopted, multimodal transportation planning set of vision maps that serves present and anticipated travel demand. It is not fiscally constrained.

A CTP is composed of five vision maps:

- Adoption map
- Highway map
- Public Transportation and Rail map
- Bicycle map
- Pedestrian map

CTP Report contains all the development recommendations.

- Projects would be selected from a CTP for inclusion in the Transportation Improvement Program (**TIP**)



NASH COUNTY CTP

Comprehensive Transportation Plan Is a Planned Look into the Future!



- CTP doesn't make a promise to build roads



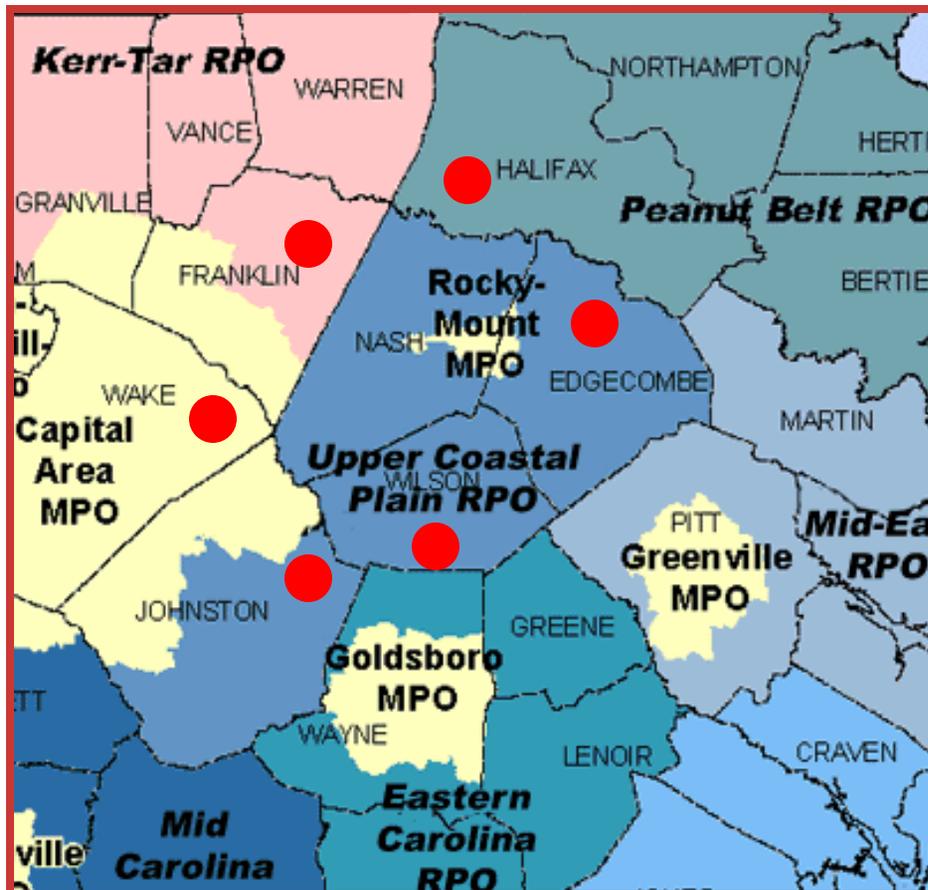
- CTP doesn't determine a pinpoint location of new roads

- Nash County doesn't have a current Transportation Plan
 - Town of Nashville Thoroughfare Plan - 1983
 - Town of Dortches Thoroughfare Plan - 1981



NASH COUNTY CTP

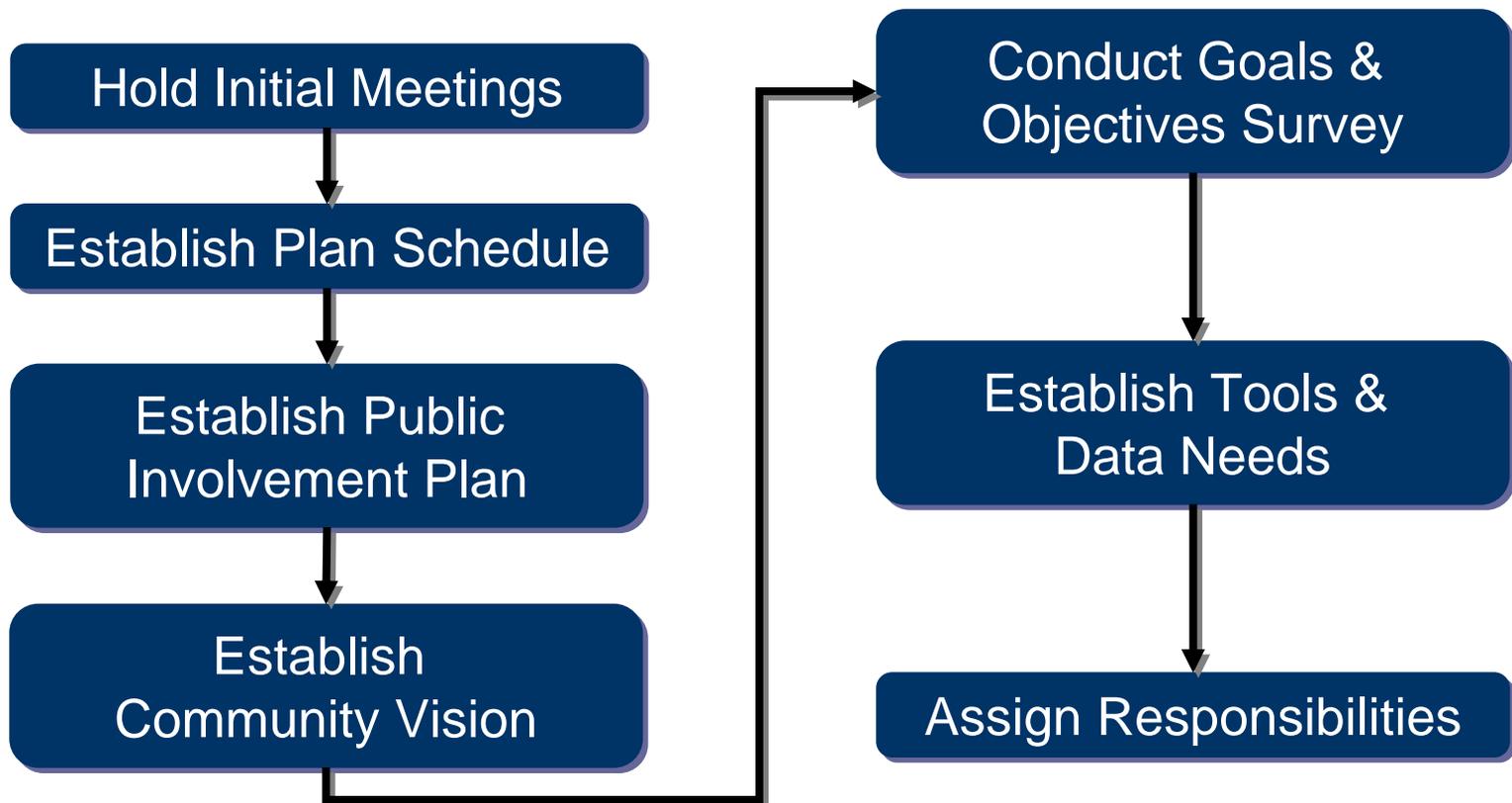
Current CTP's around Nash County



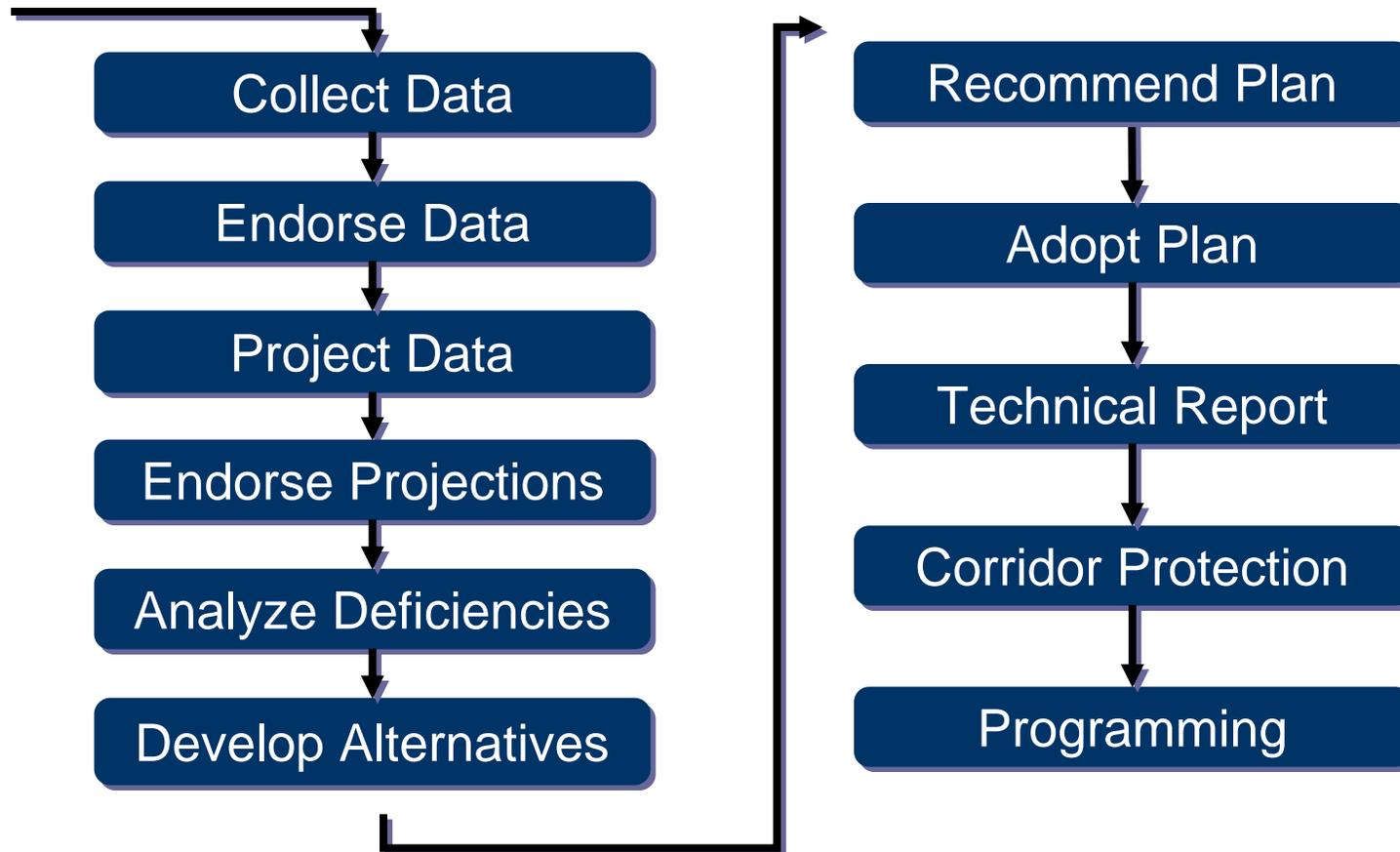
- Those counties have CTP studies under way or already completed:
- Edgecombe
 - Halifax
 - Franklin
 - CAMPO
 - Johnston
 - Wilson



Transportation Planning Process



Transportation Planning Process



Getting Started:

- Confirmation by the Nash County Board of Commissioners for participation in a Multimodal Comprehensive Transportation Plan Study (resolution)
- Selection of steering committee, to cooperate planning process between NCDOT, Nash County and its municipalities
- Conduct introductory presentations to all municipalities
- Vision Statement / Goals and Objectives
- Selection of Modeled Roadway Map
- Public Survey

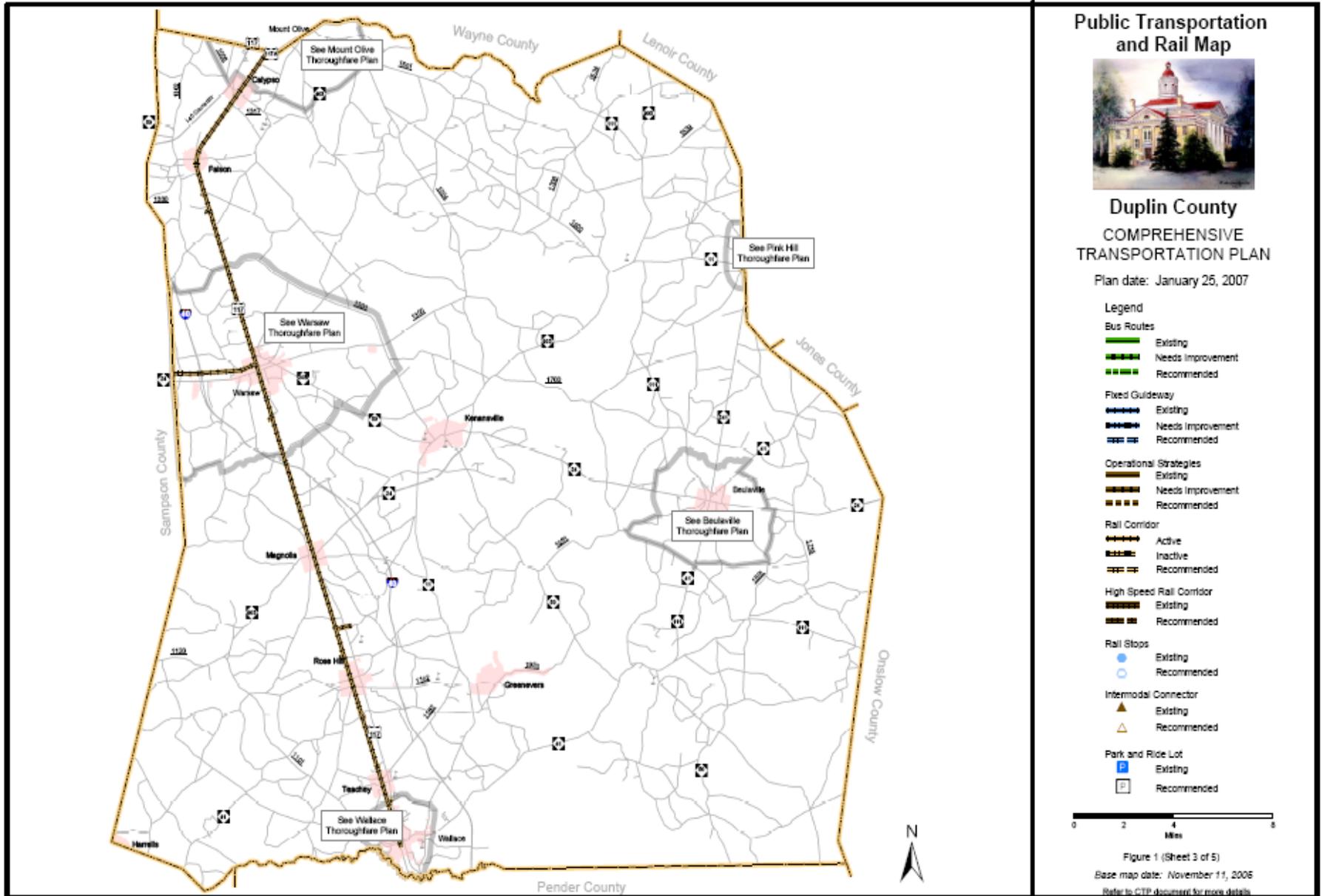


Contacts:

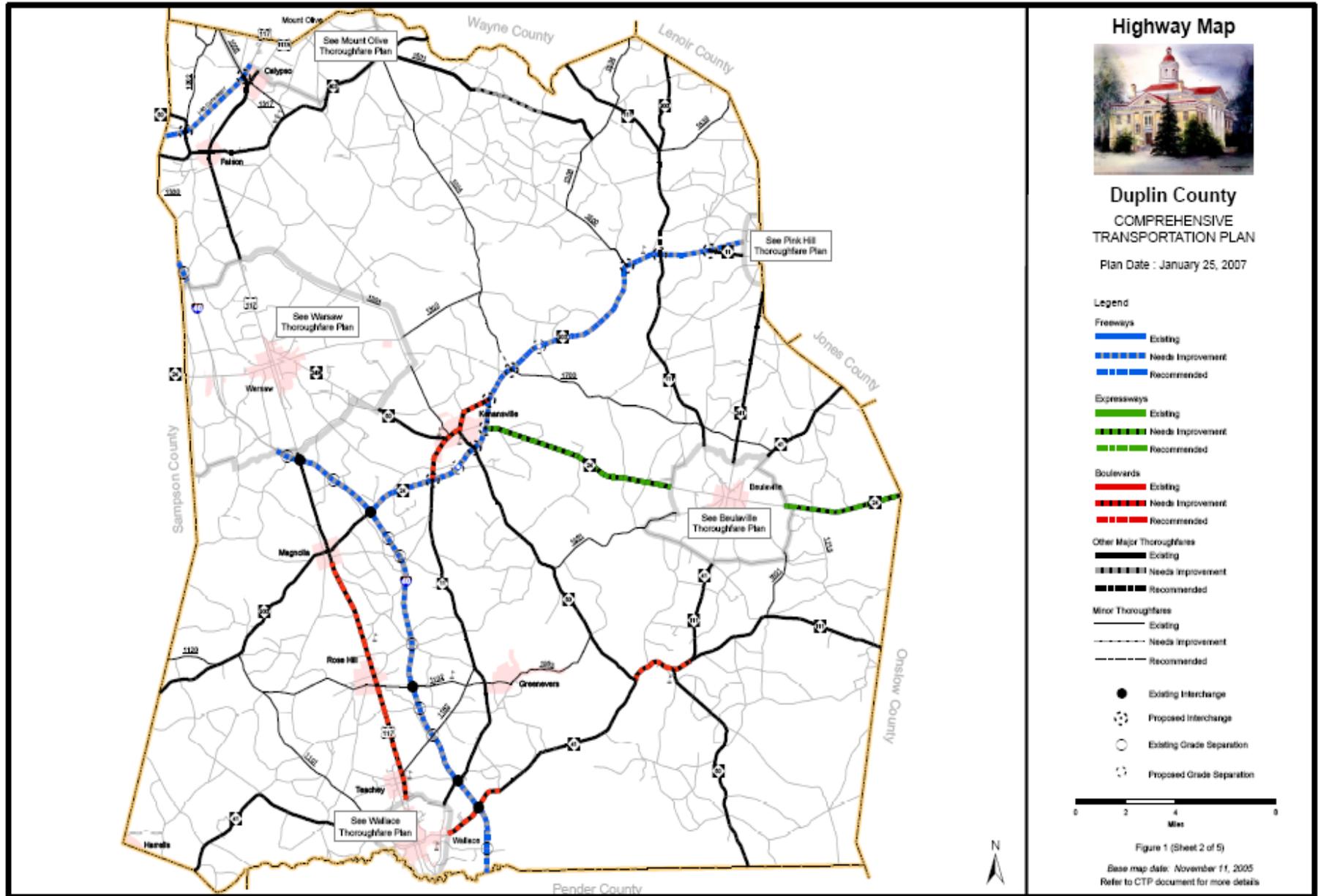
- Nash County CTP website
<http://www.ncdot.org/doh/preconstruct/tpb/planning/NashCTP.html>
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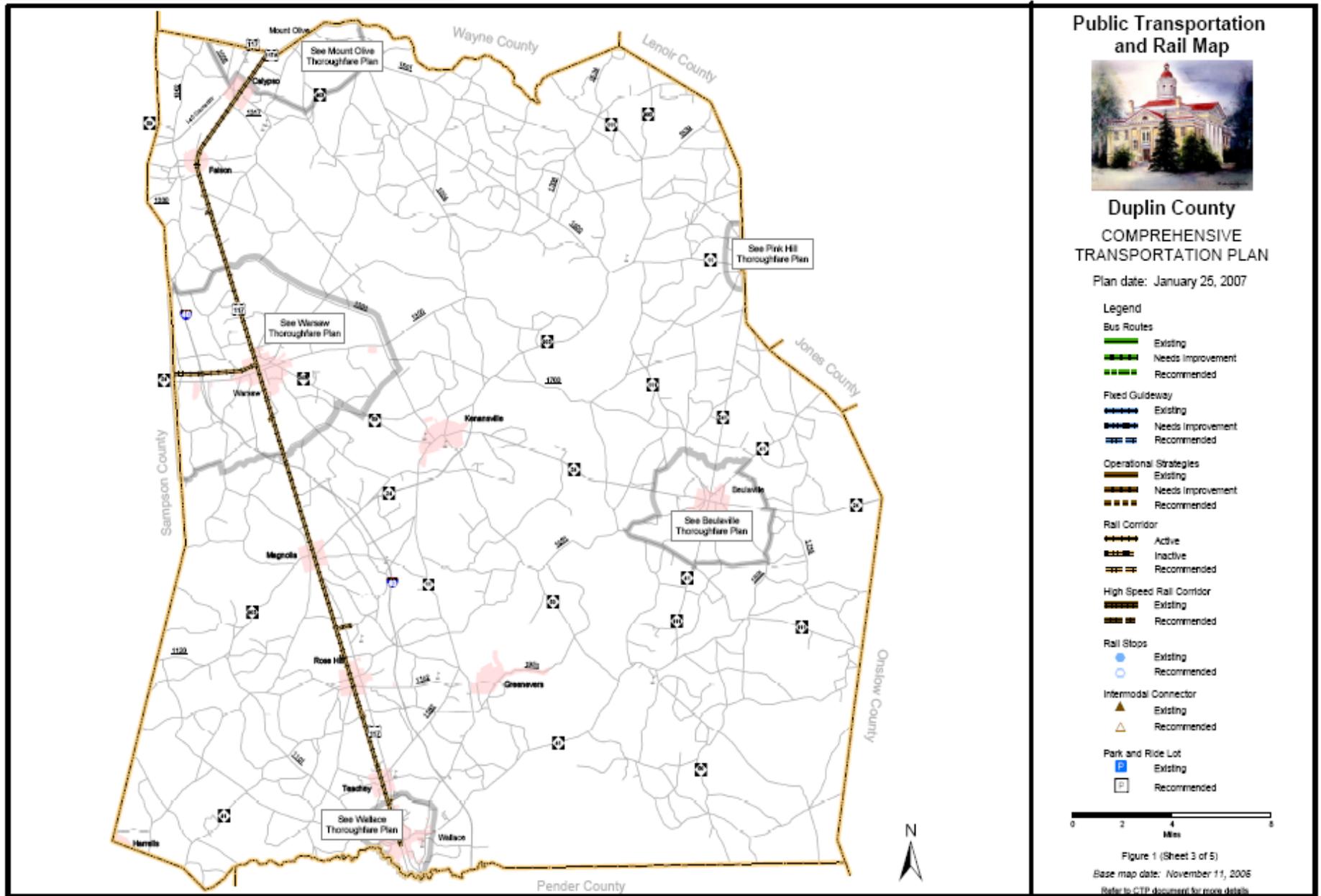
Example CTP Adoption Map



Example CTP Highway Map



Example CTP Public Transportation and Rail Map



Tasks Involved in Developing a CTP:

1. Study Initiation

- Establish local contacts, conduct public information workshops. Meet with County and Municipal leaders and area transportation officials to discuss roadway concerns and issues.

2. Data Collection

- Population
- Land Use Patterns
- Traffic Data (AADT-Annual Average Daily Counts)
- Accident History
- Roadway and Bridge Conditions
- Housing and Employment Data
- Environmental Concerns
- Input From Local Policy Boards and the Public
- Current Funded TIP Projects



Tasks Involved in Developing a CTP:

3. Data Analysis and Projections

- Analyze traffic patterns
- Identify future capacity deficiency locations
- Estimate future traffic volumes, land use, employment and housing
- Analyze high accident locations
- Examine environmentally sensitive areas such as historic structures, wetlands, floodplains, threatened and endangered species

4. Plan Development

- Work with local officials to identify roadway problems and possible solutions.
- Develop recommendations based on estimated future year deficiencies.
- Conduct an informational public workshop



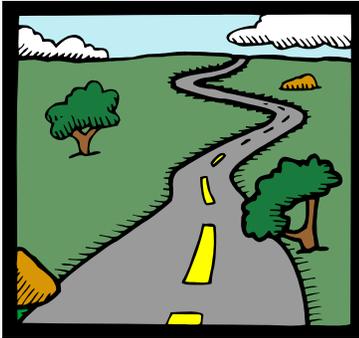
Tasks Involved in Developing a CTP:

5. Plan Adoption

- Conduct Public Hearing on recommended Comprehensive Transportation Plan
- Plan Adoption by County Commissioners and/or municipal officials
- LOCAL LEVEL
- Plan Endorsement by Upper Coastal Plain RPO
- REGIONAL LEVEL
- Plan Adoption by North Carolina Board of Transportation
- STATE LEVEL



Highway Facilities Classification:



- Five Classifications
 - Freeway
 - Expressway
 - Boulevard
 - Major and Minor Thoroughfares
- Recommendations
 - Existing
 - Needs Improvement, Recommended

- Based on the following features:
 - Federal Functional Classification System
 - NC Strategic Highway Corridor Vision
 - Speed Limit
 - Medians
 - Access
 - Traffic Signals



Freeway Facility



US 74 Near Waynesville



US 264 East of I-95

- High mobility, low access
- 55 mph or greater
- Cross-section: Minimum 4 lanes with a median
- Connections provided only at interchanges; all cross streets are grade-separated
- Driveways not allowed
- Traffic signals not allowed
- ***Examples:* I-40, I-95, US 220, US 52 between Lexington and Winston-Salem**



Expressway Facility



US 221 (Marion Bypass)



US 220 in Rockingham County

- High mobility, low access
- 45 to 60 mph
- Cross-section: Minimum 4 lanes with a median
- Connections: Interchanges (major cross streets) and at-grade intersections (minor cross streets)
- Driveways are limited in location and number; right-in/right-out only
- Traffic signals not allowed
- Examples: **US 117 north of I-40, US 74 east of I-277 in Charlotte**



Boulevard Facility



US 70 East of Goldsboro



Cary Parkway, Wake County

- Moderate mobility, moderate access
- 30 to 55 mph
- Cross-section: Minimum 2 lanes with a median
- Connections: At-grade intersections for most major and minor cross streets
- Driveways allowed - primarily right-in/right-out; encourage consolidation and/or sharing of access
- ***Examples:* US 1 in Raleigh, NC 55 (Holly Springs Bypass), NC 24/27 between Troy and Biscoe.**



Major / Minor Thoroughfare



US 441 South of Dillsboro



US 13 North of Ahoskie

- Balanced mobility and access
- 25 to 55 mph
- Cross-section: Minimum 2 lanes, no median; includes facilities with a continuous left turn lane
- Connections: At-grade intersections
- Driveways allowed with full movements; consolidate or share connections if possible
- Examples: **US 64 in Siler City, NC 109 and NC 134 near Troy**



NASH COUNTY CTP

Strategic Highway Corridors:

- The primary purpose of the Strategic Highway Corridors (SHC) initiative is to provide a network of high-speed, safe, reliable highways throughout North Carolina.
- The SHC is a long-range transportation plan for vital corridors in all regions of the state.
- I-95 and US64 are SHC Corridors.
- SHC Map for Division 4

