



Appendix O: Draft Framework for Orange County Transportation Plan

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The Orange Unified Transportation Board (OUTBoard) developed a draft framework for preparing a comprehensive transportation plan for Orange County. This framework is provided here.

Section 1. The Destinations (a.k.a. hubs, nodes, etc)

- A. Future Nodes
 - a. Work with Orange County Planning, EDD planning, and others to identify growth areas in the County.
 - b. Design land use regulations to channel development into higher density mixed-use development that is conducive to efficient transportation hubs.
 - c. Implement plans and develop methodology for enforcing any new regulations.
- B. Residential Development
 - a. Develop regulations based on neighborhood size to guide motor vehicle connectivity
 - b. Develop regulations based on neighborhood size to guide pedestrian connectivity
- C. Current destinations
 - a. Identify and map all major destinations in the County including schools, parks, businesses, shopping areas, sports facilities, etc.
 - b. Develop regulations to improve amenities
 - i. Bike facilities
 - ii. Sidewalks
 - iii. Transit stops (all modes)
 - c. Improve County owned destinations
 - i. Add bike facilities
 - ii. Sidewalks
 - iii. Transit stops (all modes)

Section 2. The Edges (a.k.a. routes, corridors, paths, roads, sidewalks, links, etc.)

- A. Identify and map major routes between important destinations
- B. Describe for each connector the condition and quality of the route for each of the transportation modes
 - a. Condition of connector for automobile traffic
 - b. Condition of the connector for pedestrian traffic
 - c. Condition of the connector for bicycle traffic
 - d. Condition of the connector for public transportation
- C. Identify deficiencies in the connectors
 - a. Safety



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- b. Non multimodal (this means, for instance, a road is acceptable for automobiles but unsafe for any other mode such as pedestrians or bicycles.)
- c. Gaps in connectivity
- D. Work with DOT to identify and prioritize improvements to connectors
 - a. TIP: work to prioritize and advocate for projects
 - b. Spot Safety and other improvement programs: work to identify, prioritize, and advocate for projects
 - c. With DOT to initiate a SWOCH program (Selected Widening on Curves and Hills) for bicycle safety on rural roads
 - d. Apply for funds (i.e. Enhancement, Safe Routes to School)
- E. Work with ERCD and Parks and Recreation to develop a Rural Ways program
- F. Encourage growth of public transit facilities (i.e. bus routes)
- G. Revive train transportation in Orange County

Section 3. Traffic (who uses the network and how they use it)

- A. Obtain and monitor traffic information from DOT
- B. Work with employers to reduce congestion
- C. Support local production, distribution, and use of renewable, sustainable fuels
- D. Evaluate and serve the special transportation needs of
 - a. The elderly
 - b. The young (high school students)
 - c. The economically disadvantaged
 - d. The disabled
 - e. Others
- E. Evaluate and serve needs of emergency vehicles
- F. Encourage safer interaction between car drivers and bicycle riders
- G. Encourage use of rail, bus, bicycle, walking as primary transportation modes
- H. Encourage private transit and public/private transit opportunities
- I. Seek improvements in traffic flow first by improvements (such as turning lanes) and lastly by adding full lanes

Section 4. Qualities we want our system to have or that we want to keep in mind when planning, designing, and implementing the transportation plan.

- A. Efficient in use of all kinds of resources (i.e. natural and financial)
- B. Highly integrated and connected
- C. Providing equal access
- D. Friendly, easy to understand (i.e. signage)
- E. Respecting privacy
- F. Respecting nature
- G. Respecting history and culture
- H. Enhancing natural and cultural heritage
- I. Providing efficient service
- J. Sustainable
- K. Creative



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L. Attractive

Section 5. How our transportation system should relate with other systems

- A. Plan with other groups in County, both public and private
 - a. Hillsborough
 - b. Chapel Hill
 - c. Carrboro
 - d. Mebane
 - e. ERCD
 - f. Parks and Recreation
 - g. Indian Trading Path
 - h. Others
- B. Plan with groups outside of County, both public and private
 - a. Neighboring RPOs and MPOs
 - b. Mountains to Sea Trail project
 - c. Amtrak
 - d. NC Railroad
 - e. Triangle Transit
 - f. Others



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