

Transportation Networks



*A new CNU
Transportation
Initiative*

*Nashville
Boulder
Austin
Charlotte*

Goal of Initiative

Shape Transportation Networks at all Scales

- ❖ Local Mobility/Accessibility/Livability Goals
 - Compact, Walkable Communities
 - Mixed use Centers
 - Network of Well-connected Multimodal Streets
 - Context Sensitive Design of Major Thoroughfares
 - Sustainability (i.e. Reduction of VMT)

Goal of Initiative

Shape Transportation Networks at all Scales

- ❖ Regional Transportation Planning & Modeling
 - Sets Parameters for all Scales
 - Is vehicle centric (arterial, collector, local)

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DISCONNECT

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Ongoing Work by Network Group

- ❖ Contribution to ITE Recommended Practice on *Planning for Roadway Systems*
- ❖ Subgroups Working On:
 - Definition of “better” Network
 - Metrics of Networks
 - White Paper about Transit Networks - completed

<u>Modern Network Design</u>	<u>Conventional</u>
Highly Connected	Partially connected
Multimodal	Auto-dependent
Accessible destinations	Indirect routes
More public streets	Fewer public streets
Detailed streetscape	Few streetscape elements
Welcoming for pedestrians	Dangerous and unpleasant for pedestrians
More route choices / redundant	Fewer route choices / prone to breakdown
Smaller (narrower ?) streets	Wider streets
Finer grained	Coarser grained
Lower speeds but faster trips	Higher speeds but longer trips
Focus on quality of place	Focus on flow of vehicles
Less delay at intersections	More delay at intersections
Simpler turns	More complicated turns
Supports activity on sidewalks adjacent to streets	Sidewalk and adjacent activity subservient to traffic flow

Milestones and Timeline

- ❖ CNU XVI in Austin - **Saturday, April 5, at 9:45 AM**
 - Introduce topic to larger CNU public
 - Solicit initial input on range of network related subjects
- ❖ Summer of 2008
 - Preparation for Charlotte Transportation Summit
- ❖ Fall 2008
 - CNU Transportation Summit in Charlotte, N.C.
- ❖ 2009
 - Broader Circulation of CNU "Platform" on Transportation Networks
 - Exploration of Partnerships with other Organizations
 - Determination of Final Product

Charlotte Transportation Summit

Main Goal of Summit:

*Establish a CNU "Platform" on
Transportation Networks*

Charlotte Transportation Summit

❖ Day 1

Focused Presentations

- Brief Presentations of Work to Date
- Framework for Discussion of CNU Position on Network

Charlotte Transportation Summit

❖ Day 1

Work Sessions

1. Defining the Network
2. Network and Context Sensitive Solutions
3. The Metrics of Networks
4. Network and Non-motorized Modes
5. Network and Transit
6. Network and Sustainability
7. Implementation Barriers to better Network Planning

Charlotte Transportation Summit

❖ Day 2

Establishing a Platform

- Review and Discussion of Day 1 Results
- Draft CNU Position Statements
- Consensus Building

Platform Implementation

- Identify potential partner organizations
- Identify potential final work products