



“Getting It Done”

More than 2,000 years ago Hippocrates’
observed that

***Our well-being is affected
by our settings***

...which became a
cornerstone of western medicine

Nashville Southeast Corridor Public Forum – September 2004

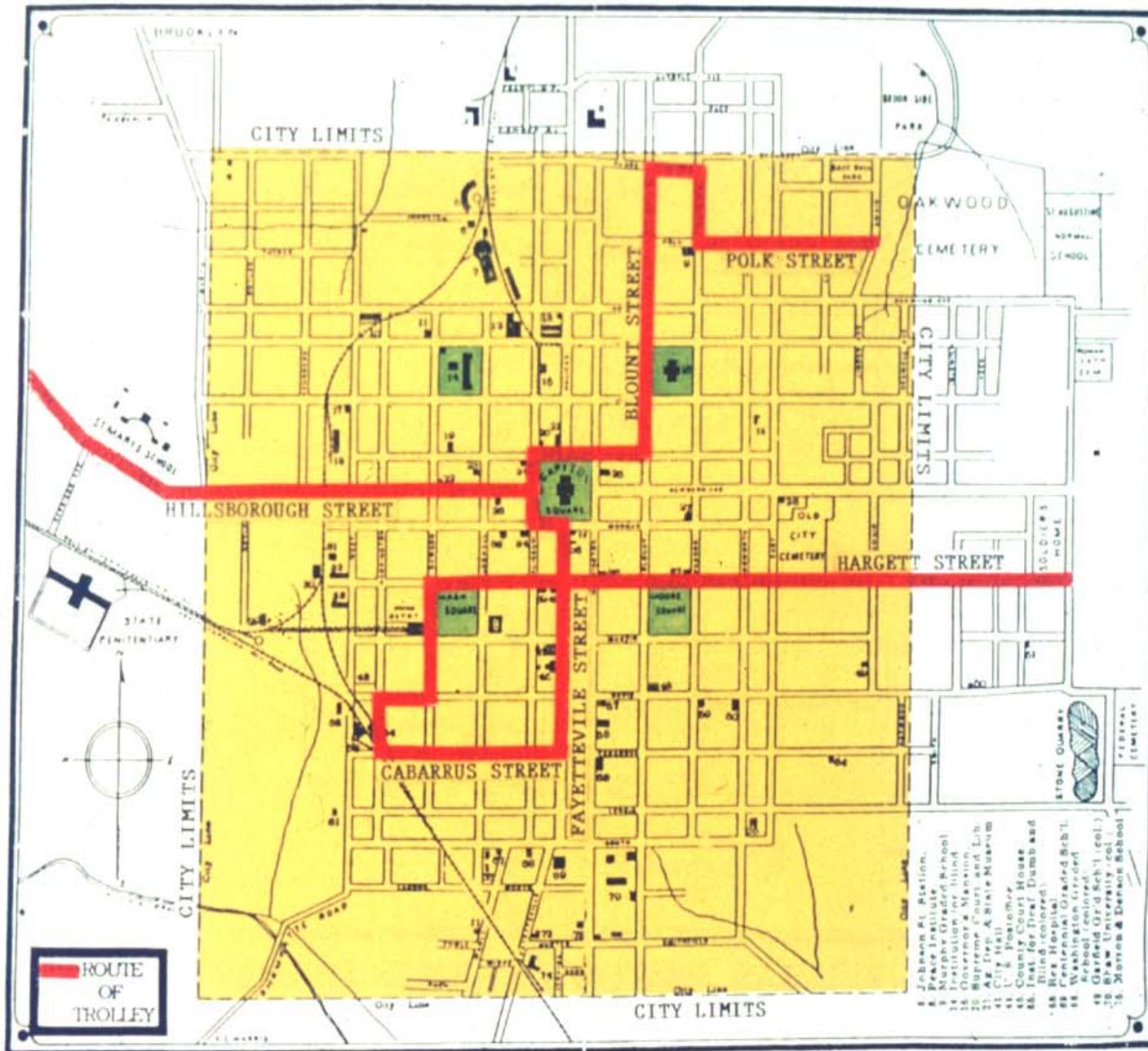


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In Post-World War II Communities...

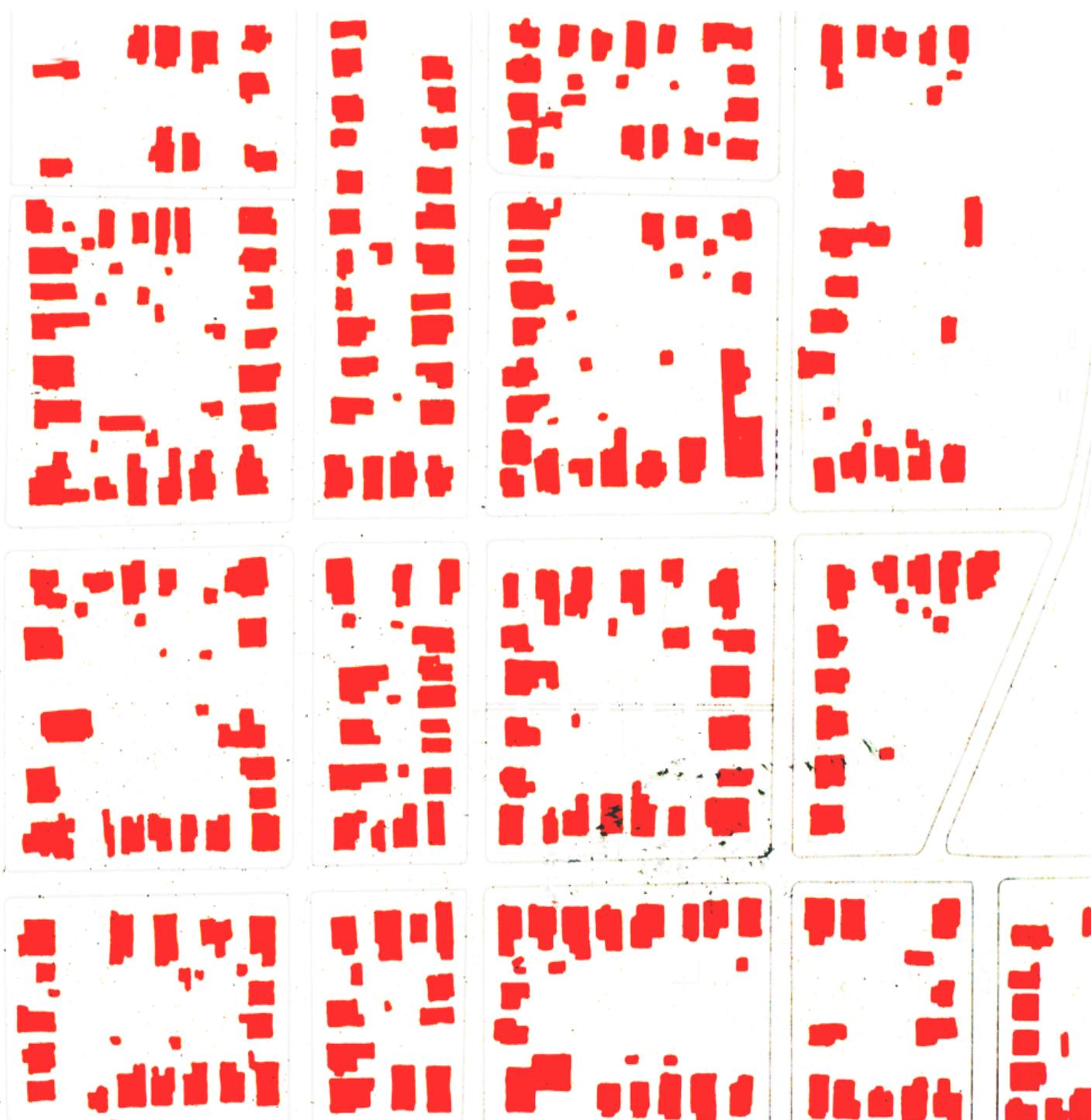
- **Significant Public Policy initiatives spurred outward growth**

RALEIGH STREET RAILWAY SYSTEM, CIRCA 1900

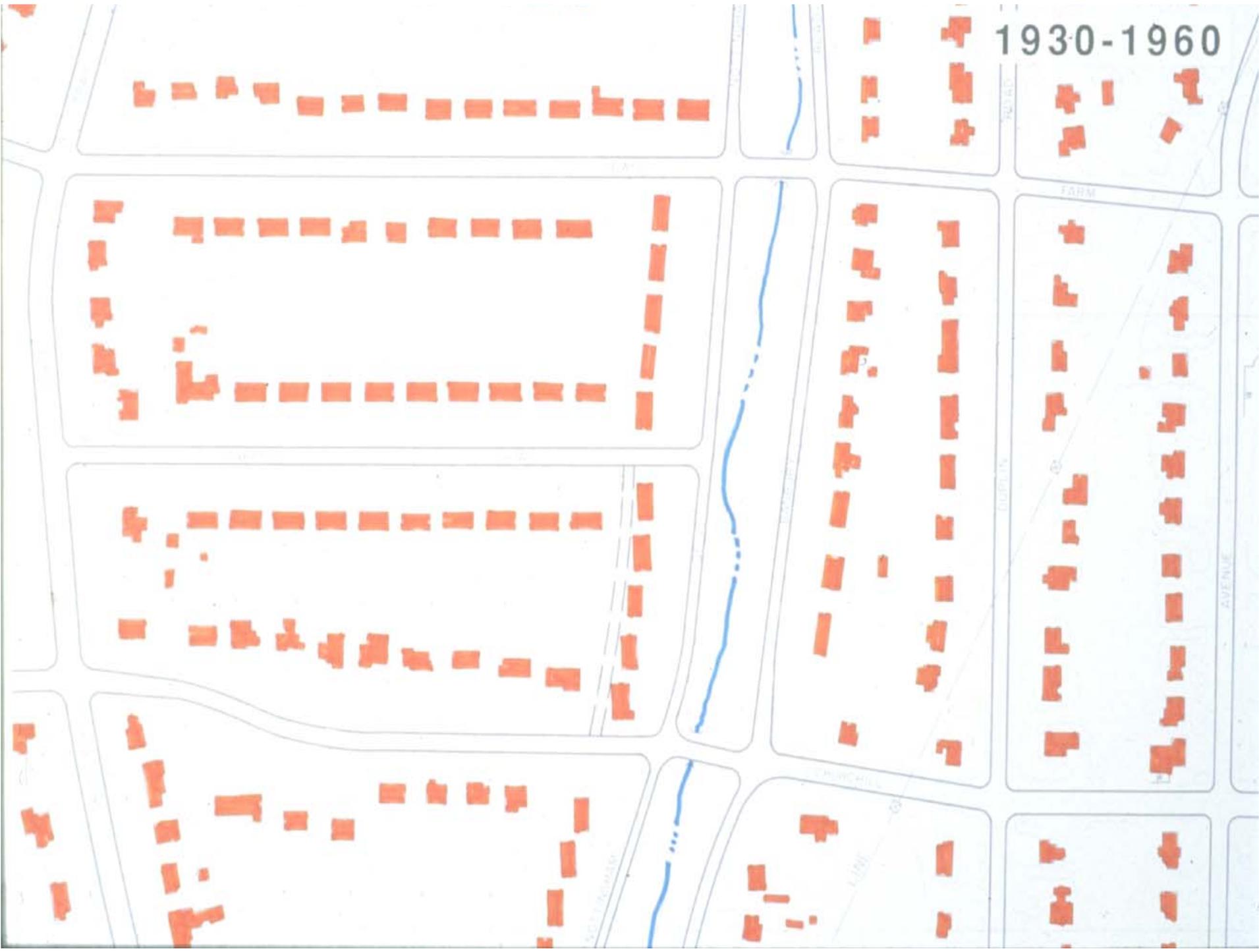




1900-1930



1930-1960





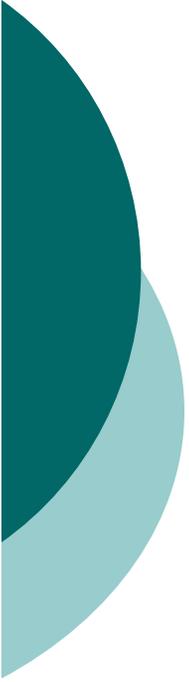
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In Post-World War II Communities...

- **Reliance on the private automobile begins to eclipse transit use**







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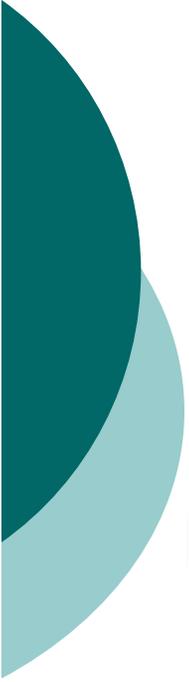
Trends in Transit Decline

Ridership

- 1946 - Highest year, 23.4 billion
- 1972 - Lowest Year, 6.567 billion
- 1999 - On the rise, 9 billion

Number of transit systems in Operation in United States

- 1959 - 1225
- 1970 - 1,075
- 1992 - 495



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In Post-World War II Communities...

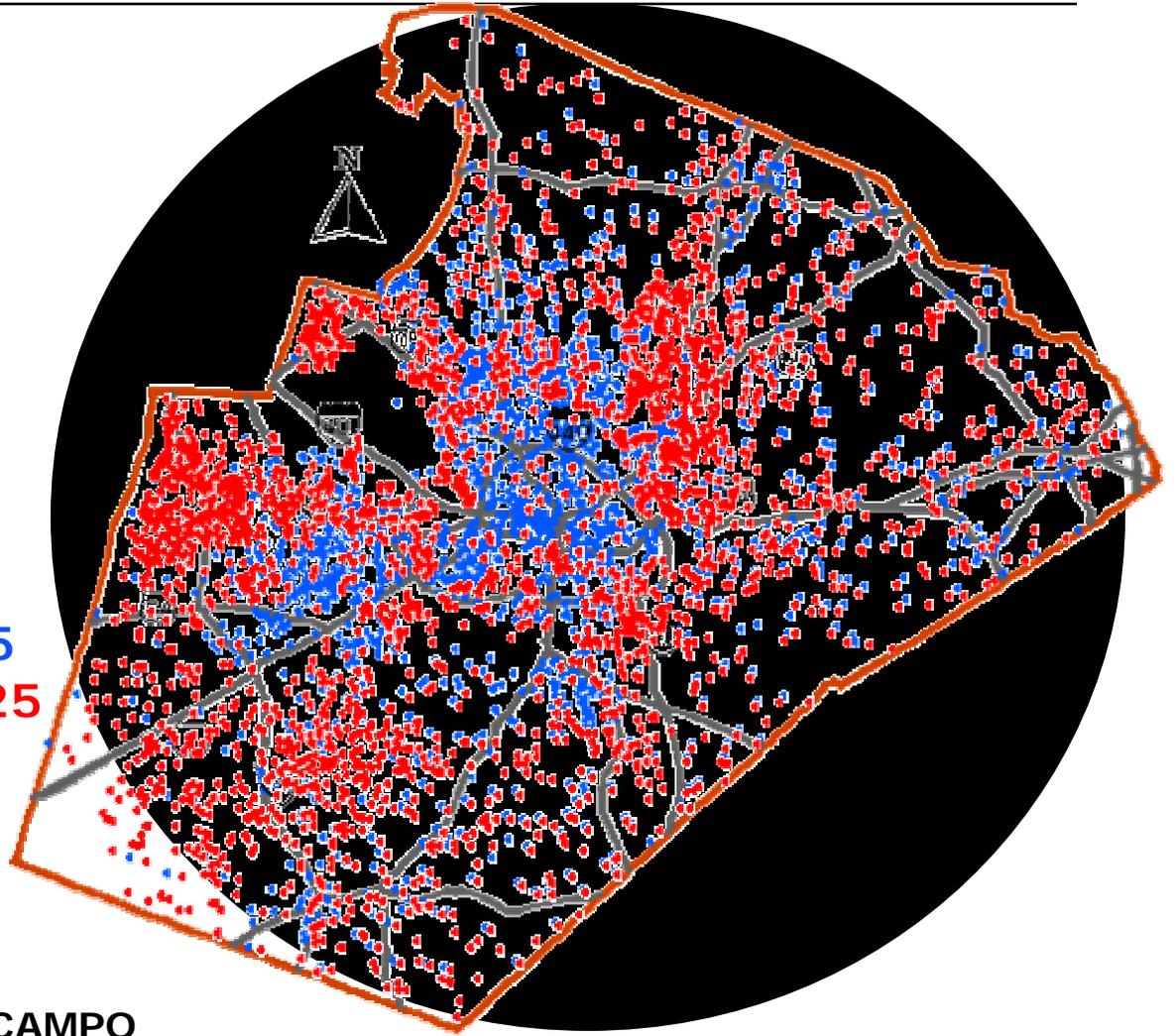
- **Zoning to separate land uses becomes the norm**



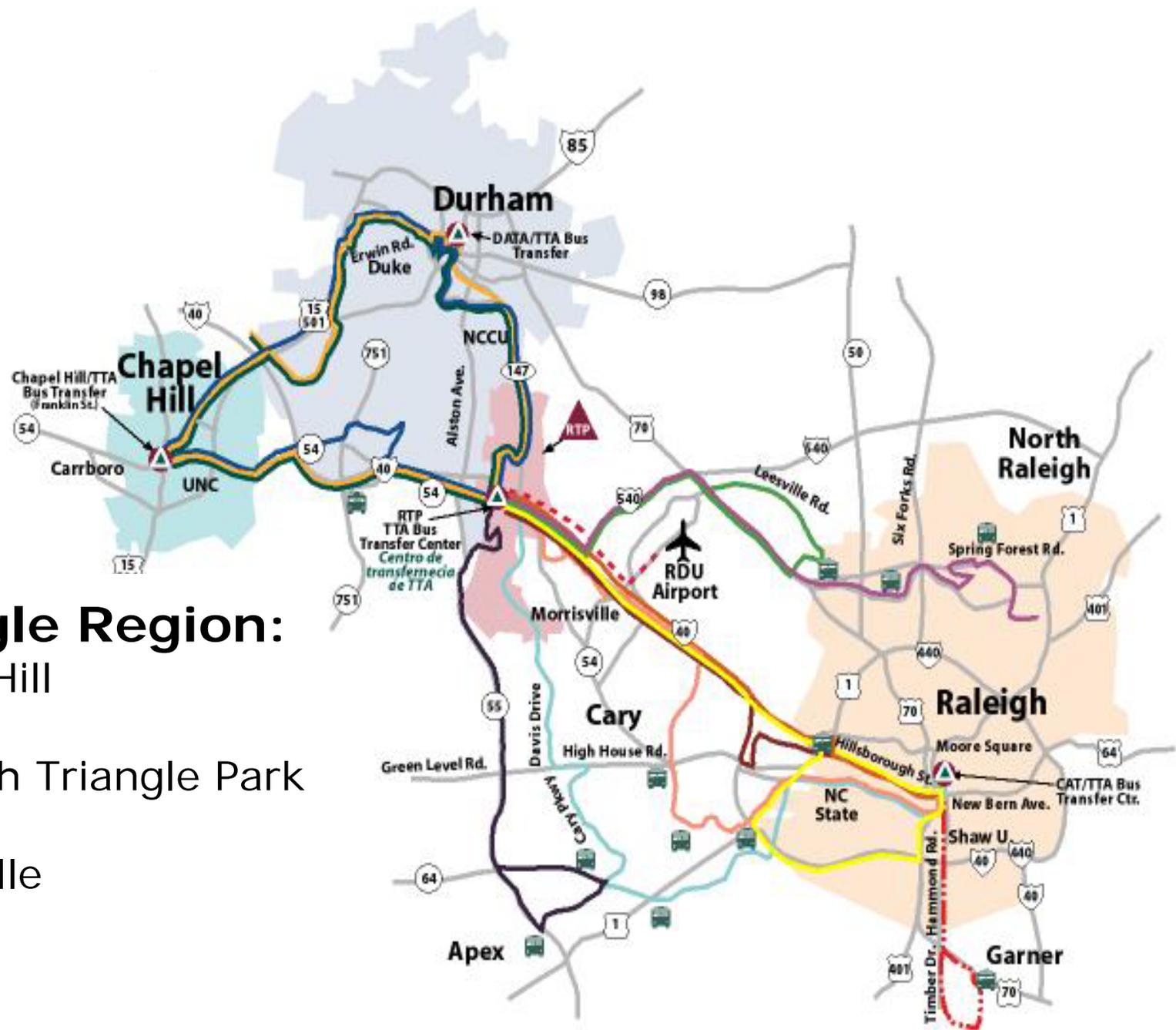
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Wake County Home Growth: 2005 - 2025

- 100 Dwelling Units - 2005
- 100 Dwelling Units in 2025



Prepared by Jill Harper, CAMPO



Triangle Region:

Chapel Hill

Durham

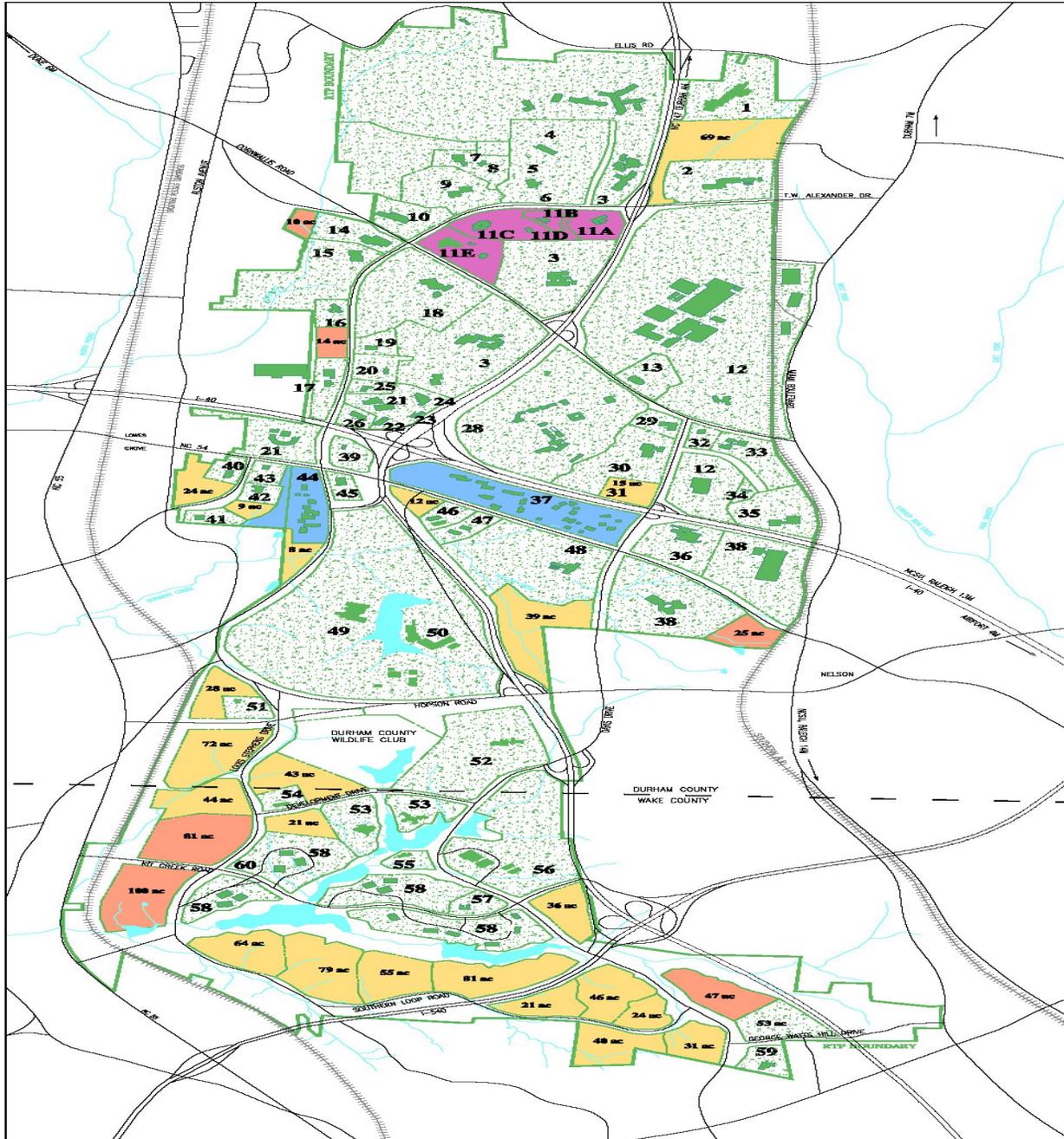
Research Triangle Park

Cary

Morrisville

Raleigh

RESEARCH TRIANGLE PARK North Carolina



LEGEND

- Sold
- Under Option/ Committed
- Available for Sale
- Service Center/
Potential Service Expansion
- TUCASI Campus

LAND AVAILABILITY

June 10, 2002





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Forces of Change:

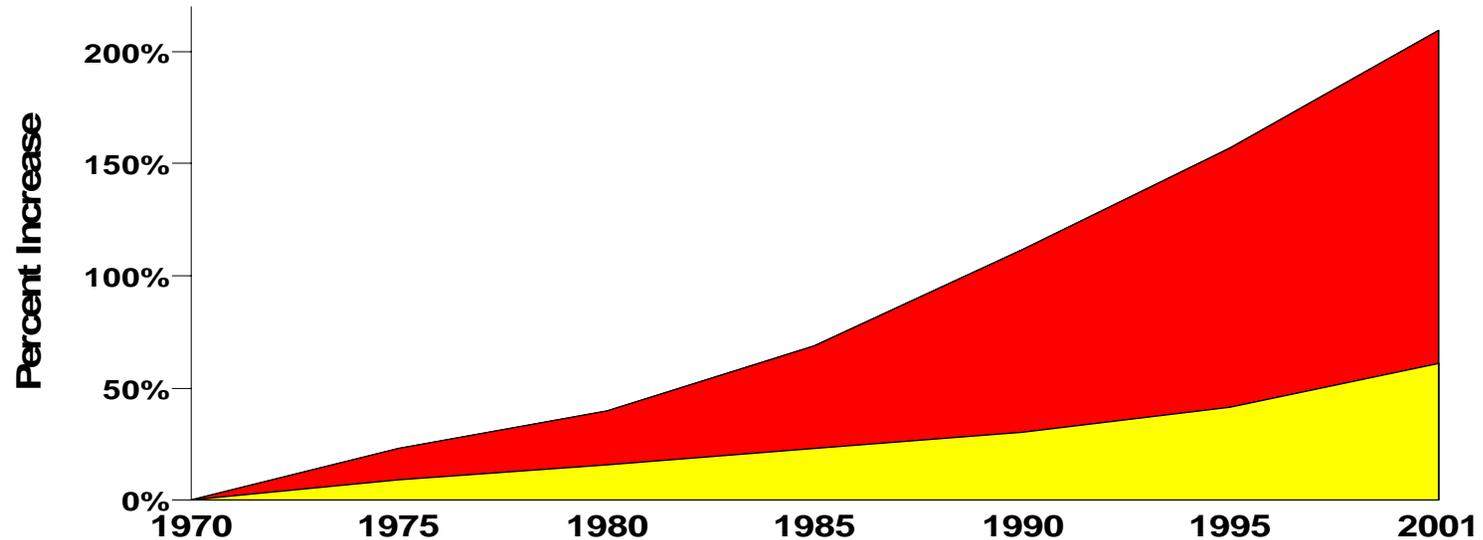
	1995	2025	Change
Population			
Durham County	196,400	300,710	53%
Orange County	88,331	140,900	60%
Wake County	485,378	1,117,329	130%
Total	770,109	1,558,939	102%
Jobs			
Durham County	150,817	245,323	63%
Orange County	37,397	68,130	82%
Wake County	247,898	594,870	140%
Total	436,112	908,323	108%

Source: Capital Area & Durham-Chapel Hill-Carrboro Metropolitan Planning Organizations

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Forces of Change:

NC Population & VMT Growth



Source: NC Department of Transportation

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Forces of Change:



Source: Western North Carolina Alliance



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Forces of Change:

Consequences of Growth

Positive

- Robust Economy
- National Recognition
- Optimistic Future
- A Great Place to Live & Work

Negative

- Suburban Sprawl
- Air and Water Quality Concerns
- Increasing Traffic Congestion
- Lack of Transportation Choices
- Loss of Community Identity

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Forces of Change:



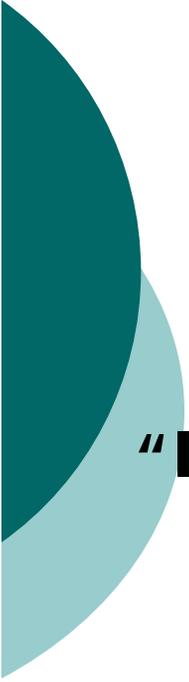
The Auto Dependent Transportation System -

- Constrains access to jobs and employees
- Threatens long-term economic competitiveness
- Limits choices in housing
- Discourages walking, biking, transit use - increases need for road widening
- Contributes significantly to pollution
- By 2025, vehicle hours traveled projected to increase 2.7 times
- Peak hour travel in congestion
 - 1990 > 16%
 - 2020 > 29%

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So what are we to do...





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“It must be remembered that there is nothing more difficult to plan, more doubtful of success, nor more dangerous to manage, than the creation of a new system.

For the initiator has the enmity of all who would profit by the preservation of the old institutions and merely lukewarm defenders in those who would gain by the new ones.”

The Prince by Machiavelli, 1513

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It helps to have a champion
– or in our case four
champions

Four Mayors:

- Wib Gulley, Durham
- Jonathan Howes, Chapel Hill
- Avery Upchurch, Raleigh
- Koka Booth, Cary



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Triangle Transit Authority

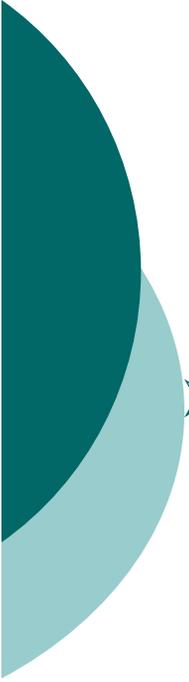
Organization

- Established in 1989 as independent unit of local government
- 13 Member Board of Trustees
- Jurisdiction includes Durham, Orange and Wake Counties
- \$5 Vehicle Registration Tax (authorized 1991)
- 5% Rental Car Tax (authorized 1994)

Programs

- Vanpool, Carpool (1989) & Transportation Demand Management
- Regional Bus (1993) & Para-Transit Service
- High Capacity Transit Planning & Implementation





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Regional Studies & Actions:

➤ **1986:**

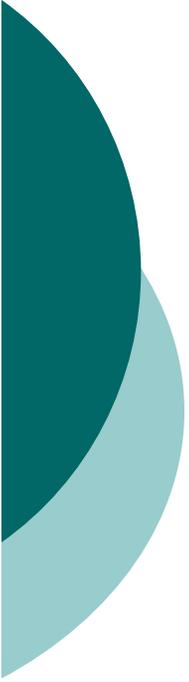
- UNC – Dept. of City & Regional Planning: “Travel in the Triangle: Trends, Implementation, Choices” Looks at population growth, job development & regional commuting patterns. Recommends region establish a transportation authority.

➤ **1987:**

- “World Class Region Conference” held and regional leaders agree commuting options between/among their communities is critical issue. Begin negotiating terms.

➤ **1989:**

- “Regional Transportation Service: Market Analysis & Service Plan (Ecosometrics, Inc) studies viability of transit. Concludes is viable if oriented to work trips and IF land-use changes occur.



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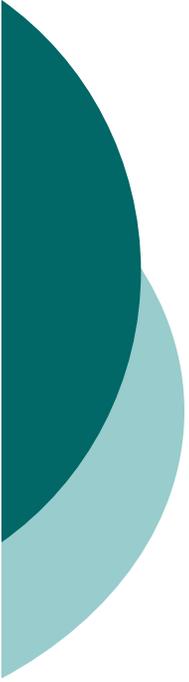
Regional Studies & Actions Continued:

➤ **1990:**

- “Research Triangle Regional Transit/Land-use Study” (Barton-Aschman) studies minimum land-use action required for fixed guideway transit
- “Land-use & Public Transportation Action Agenda” jointly adopted by CAMPO & DCHC MPOs determines next steps to assess viability of recommendations from previous studies.

➤ **1991:**

- TTA proposes the “Fixed Guideway Study” to develop consensus within region on desirability, feasibility and location of a fixed guideway transit system. Secures FTA grant for study.



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Regional Studies & Actions Continued:

➤ **1992:**

- **“Fixed Guideway Study” Peer Review Panel assembled. Critiqued design of study & brought experience from other studies, highlighted likely problems & suggested actions to assure effective study.**
- **Regional Land-use/Transportation Modeling Peer Review panel convened. Provided guidance on development of a region model to meet current and emerging planning & analysis needs.**



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Triangle Fixed Guideway Study

➤ Purpose of Study

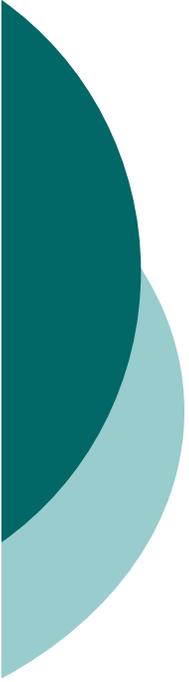
- To develop consensus within the Triangle on future land-use and public transportation alternatives for the region.

➤ Phases of Study:

- Study Design
- Develop tools & define current trend future
- Develop alternative Scenarios
- Develop final plan & recommendations

➤ Study Management Structure

- State, County City Governments
- TTA Board of Trustees
- Management Team
- Technical Team
- Advisory Group – Citizens Advisory Committee
- Consultant Team

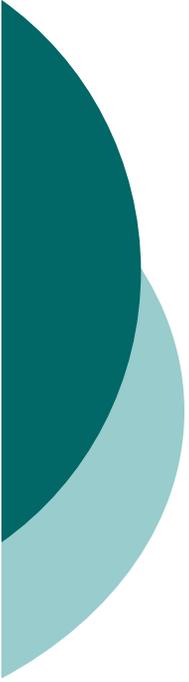


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Triangle Fixed Guideway Study

➤ Building Public Support

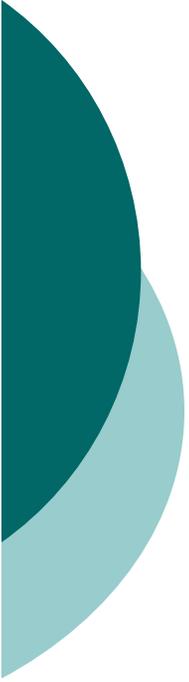
- Management Team
- Technical Team
- Citizens' Advisory Committee:
 - ✓ Appointed by member governments and TTA Board
 - Created to assist TTA to develop consensus within the region
 - 95-member body representing business & civic groups, professionals and residents from throughout the Triangle. Diverse and representative group.
 - Met quarterly throughout the study



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Building Public Support

- **Land Use and Transportation Conference**
 - **360 attended from 30 municipalities**
 - ✓ **Participants developed optimal regional vision**
- **“Community Fixed Guideway Buscapade”**
 - **Visited VA, Washington DC, Baltimore, MD**
- **TTA Quarterly Newsletter**
- **Open Houses**
 - **Held in each community in the region for optimum attendance**
 - ✓ **Strategically timed to critical decision points**



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Building Public Support

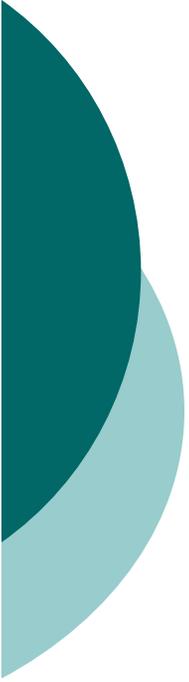
- **“Regio-Sprinter Demonstration Project**
 - Events held in Durham, Raleigh, Cary and Carrboro attended by thousands
- **Annual reports to member governments elected bodies**
- **Milestone Celebrations**
 - If there is ANY milestone TTA throws a party!
- **Station Area Planning Meetings**
 - *TTA Art in Transit Program*
- **Presentations, Presentations, Presentations**
 - To civic, neighborhood, business groups throughout region



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“The human mind once stretched to a new idea never goes back to its original dimensions”

Oliver Wendell Holmes



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Presentation materials courtesy of:

- **Triangle Transit Authority**
- **Main Street Program/Office of Urban Development, North Carolina Division of Community Assistance**
- **Capital Area MPO**
- **Research Triangle Foundation**

Nashville Southeast Corridor Public Forum – September 2004



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**For more information about the Triangle
Transit Authority Regional Rail Transit Plan
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