



# Transit Options for the Triangle

David King



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Member of the **g@triangle** family of services

# Transit

## The Technology Choice

David King  
General Manager

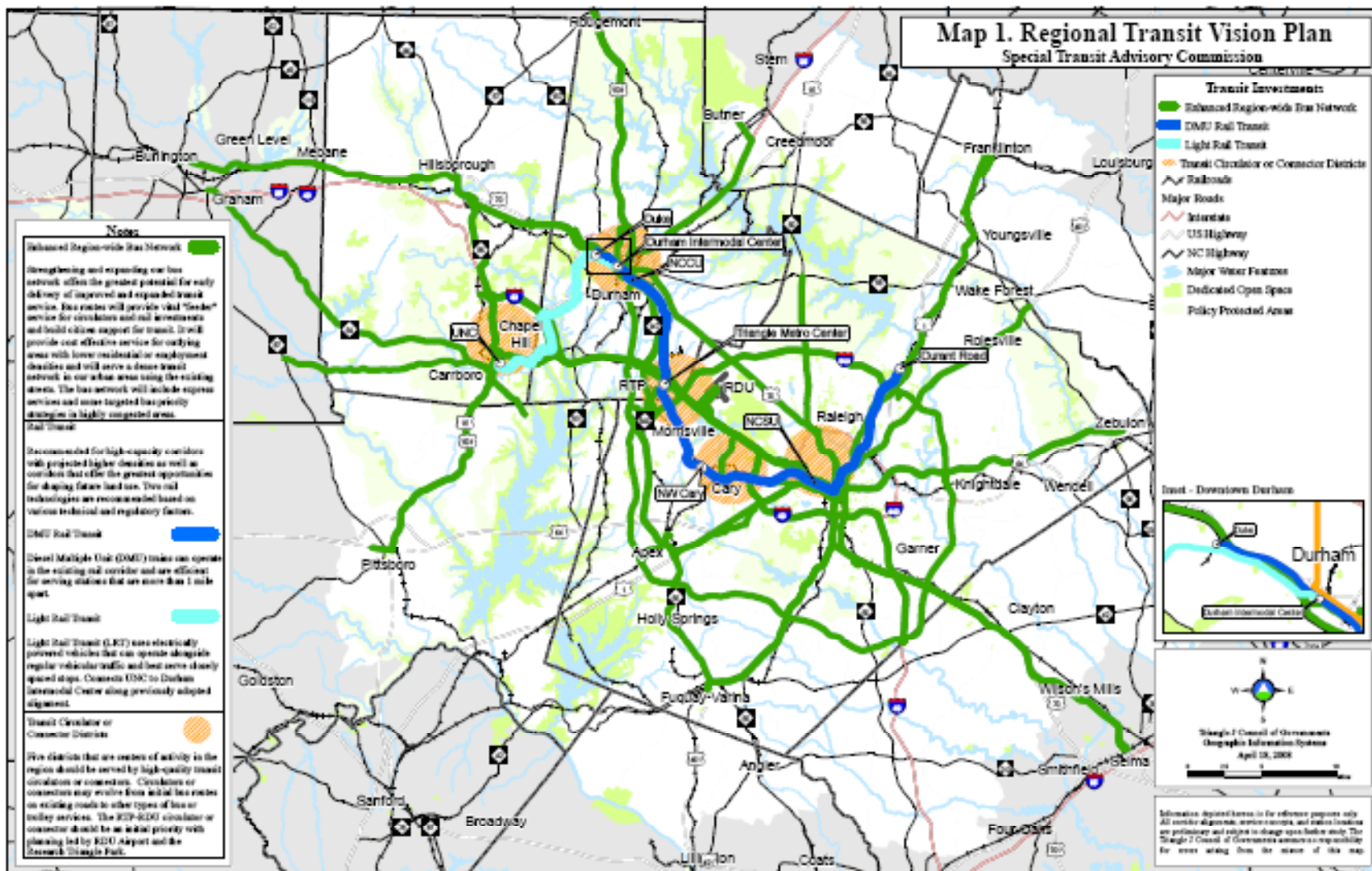
*January 28, 2010*

## Special Transit Advisory Commission "STAC"

- ▶ STAC commissioned by *CAMPO* and *DCHC*
  - ▶ "Capital Area MPO" & "Durham, Chapel Hill, Carrboro MPO"
- ▶ Regional cross section of 29 stakeholders
- ▶ Population growth in the Triangle through 2035 1.2 Million
- ▶ Final Report published in May 2008
  - ▶ Buses, Circulators, 51 miles of Rail (\$2.27 Billion, 2007 \$)
  - ▶ Assumed DMU vehicle technology except Chapel Hill to Durham LRT
  - ▶ Assumed no federal funds for first project
  - ▶ ½ cent sales tax

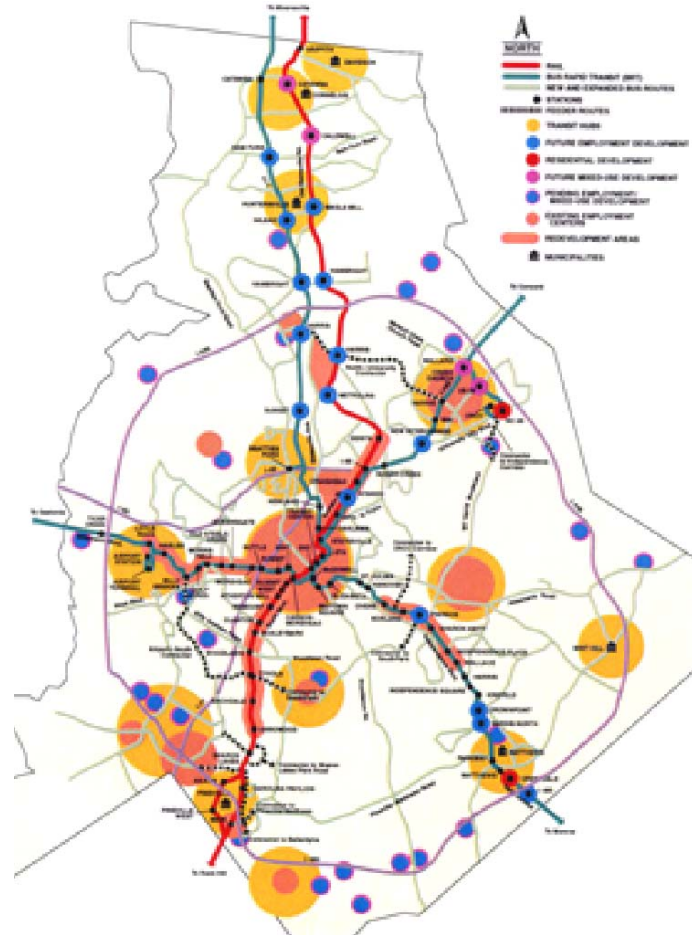
## Map 1. Regional Transit Vision Plan

Special Transit Advisory Commission



# Charlotte Vision

The Charlotte vision began as a general transit “centers and corridors” map and evolved into a recommended transit service map



# Technology Under Consideration

**Expanded bus service**



**Light Rail Transit (LRT)**

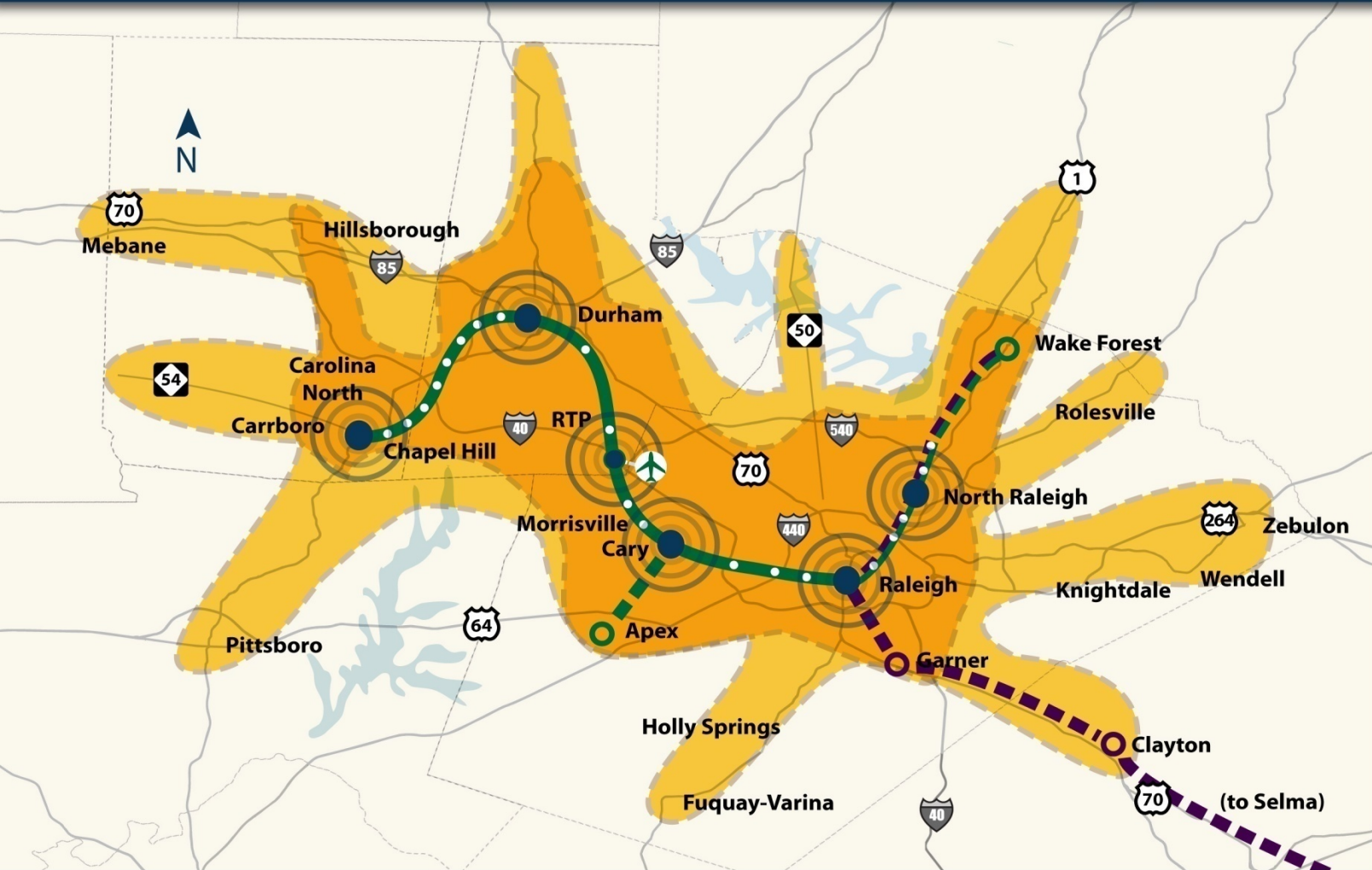


**Commuter Rail**





# MOVING FORWARD Triangle Regional Transit Vision



## LEGEND

-  Existing Interstate
-  Existing US Highway
-  Existing State Highway
-  Airport
-  Increased Local Bus Service
-  Proposed Regional Bus Expansion
-  Proposed Rail with Stops\*
-  Future Rail Expansion
-  Commuter Rail Connection
-  Area of Interest

\* Rail Stops Shown Are For Illustrative Purposes Only

## FAST FACTS

The proposed Regional Transit Vision Plan suggests:

- 51 miles of light rail stretching from North Raleigh to Cary, the Research Triangle Park, Durham and Chapel Hill
- A major expansion of local bus service in Cary, Chapel Hill, Durham, Raleigh and along Triangle Transit routes
- Increased express bus service from outlying communities into center cities

Phoenix - \$1 Billion in development *before opening*



Denver - \$2 Billion in development

Dallas - \$4.26 Billion in development



# Charlotte

▶ \$1.9 Billion in Private Investment in South Corridor



## Responding to the Market Demand



# Land Use - Community Infrastructure- Development (LUCID)

- ▶ US DOT, Housing and Urban Development, and EPA formed new partnership
- ▶ Triangle J Council of Governments and Triangle Transit
- ▶ Coordinate development plans around the transit stations planned within the 51 miles of the proposed regional rail system.

**Our future growth will be defined by the intersection of our public policy and market demand**

# Providing connection between Raleigh and Durham

- ▶ LRT typically works best in dense development, making frequent stops (Charlotte's LRT line has 15 stations over 9.6 miles)
- ▶ LRT's frequent stops would make the travel time less competitive than other modes of transportation
- ▶ The Capital cost of LRT between the two cities is significant and would push back connecting the region until 2030
- ▶ "*Express Rail*" may provide the solution...

# Light Rail + Express Rail

- ▶ Light rail does what it does BEST- link neighborhoods for intra-city travel, short trips
- ▶ Faster services (Amtrak, HSR, Commuter Rail) do what they do BEST - link commuters with job centers, pull two sides of region close together



# Express Rail Corridor View



# Express Rail Schedule Draft: Number of Trains Per Station

Station	2009	Spring 2010 NC Amtrak	Future NC Amtrak Expansion	SE High Speed Rail	Triangle Transit Proposal	Total Trips
Downtown Raleigh	2	+1	+2	+4	+14	23
NCSU					+7	7
Fairgrounds					Special	Events
West Raleigh					+11	11
Downtown Cary	2	+1	+2	0	+6	11
NW Cary					+11	11
Morrisville					+14	14
Triangle Metro Center					+11	11
North RTP					+11	11
Alston Ave					+7	7
Downtown Durham	2	+1	+2	+4	+14	23
Duke Fulton/Hillandale					+14	14

Westbound schedule is depicted; eastbound schedule assumed to be equivalent or comparable

# North American & US CR & LRT Statistics

technology	avg. line length	avg. trip length	avg. station spacing	avg. line speed
commuter rail	45.8	22.8	3.55	32.7
light rail	8.6	4.2	0.52	13.7

<u>Benchmark</u>	<u>Target Date</u>
<input checked="" type="checkbox"/> STAC Plan	May 2008
<input checked="" type="checkbox"/> LRTP	May 2009
<input checked="" type="checkbox"/> Intermodal Bill	Summer 2009
<input type="checkbox"/> Regional transit planning	Winter 2009/2010
<input type="checkbox"/> Revenue projections approved	Winter 2010
<input type="checkbox"/> Selection of Project Management Consultant (PMC)	Winter 2010
<input type="checkbox"/> Selection of county and regional transit priorities	Winter/ Spring 2010
<input type="checkbox"/> Confirm proposed Regional Transit Financial Plan	Spring/ Summer 2010
<input type="checkbox"/> Develop Public Input Process	Summer 2010
<input type="checkbox"/> Present Proposed Transit Plan to public	Summer/ Fall 2010
<input type="checkbox"/> Begin Public Input Process	Fall/ Winter 2010

**Public Input Process includes:** *Websites, surveys, polling, numerous public meetings throughout Triangle, presentations to civic and community organizations, collection of data, engaging and partnering with advocate organizations, updating and revising transit proposals*

**Benchmark**

**Target Date**

<input type="checkbox"/>	Release updated Regional Transit Plan to public	Winter 2010/ 2011
<input type="checkbox"/>	Triangle municipalities receive Transit Financial Plan	TBD
<input type="checkbox"/>	MPO approval vote of Regional Transit Financial Plan	TBD
<input type="checkbox"/>	County approval vote of Regional Transit Financial Plan	TBD
<input type="checkbox"/>	Referendum authorized	TBD
<input type="checkbox"/>	Referendum Campaign	TBD

**Campaign includes:** *Fundraising, identifying campaign chairs, executive/ steering committee, campaign committee, speakers bureau, local and national consultants, polling, baseline research, outreach plan, media strategy, new media strategy, crisis control, message coordination, advertising and marketing, voter analysis, neighborhood and stakeholder action plan, opposition research, event coordination, GOTV plan*

<input type="checkbox"/>	Successful Regional Referenda vote	Fall 2011
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**Benchmark**

**Target Date**

<input type="checkbox"/>	High Speed Rail Stimulus Funds Awarded	Winter 2010
<input type="checkbox"/>	Begin Engineering/ Environmental work	March 2010
<input type="checkbox"/>	Expanded Bus Network	TBD
<input type="checkbox"/>	Partnership with NCR, NCDOT, Triangle Transit	TBD
<input type="checkbox"/>	Re-Authorization of Federal New Starts Process	TBD
<input type="checkbox"/>	State Funding	TBD
<input type="checkbox"/>	Construction Starts	TBD
<input type="checkbox"/>	Construction Completed	TBD
<input type="checkbox"/>	Opening Day	TBD



**Thank You!**