

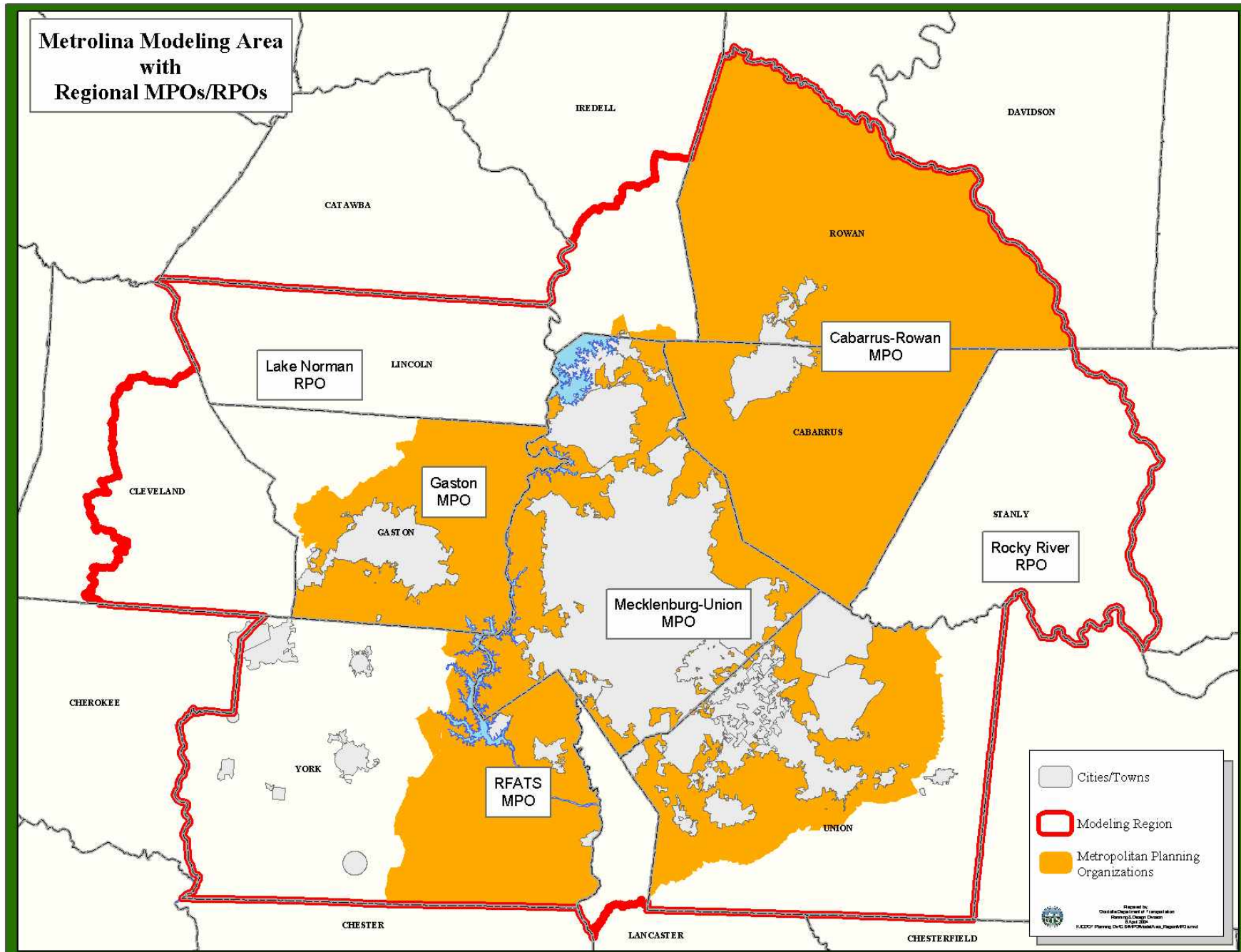
Transportation Funding in the Charlotte Region

Andy Grzyski, Charlotte DOT
August 21, 2007

Charlotte Region HOV/HOT/
Managed Lanes Study Workshop

Background

**Metrolina Modeling Area
with
Regional MPOs/RPOs**



The Charlotte Region

One of the South's Key Economic Centers

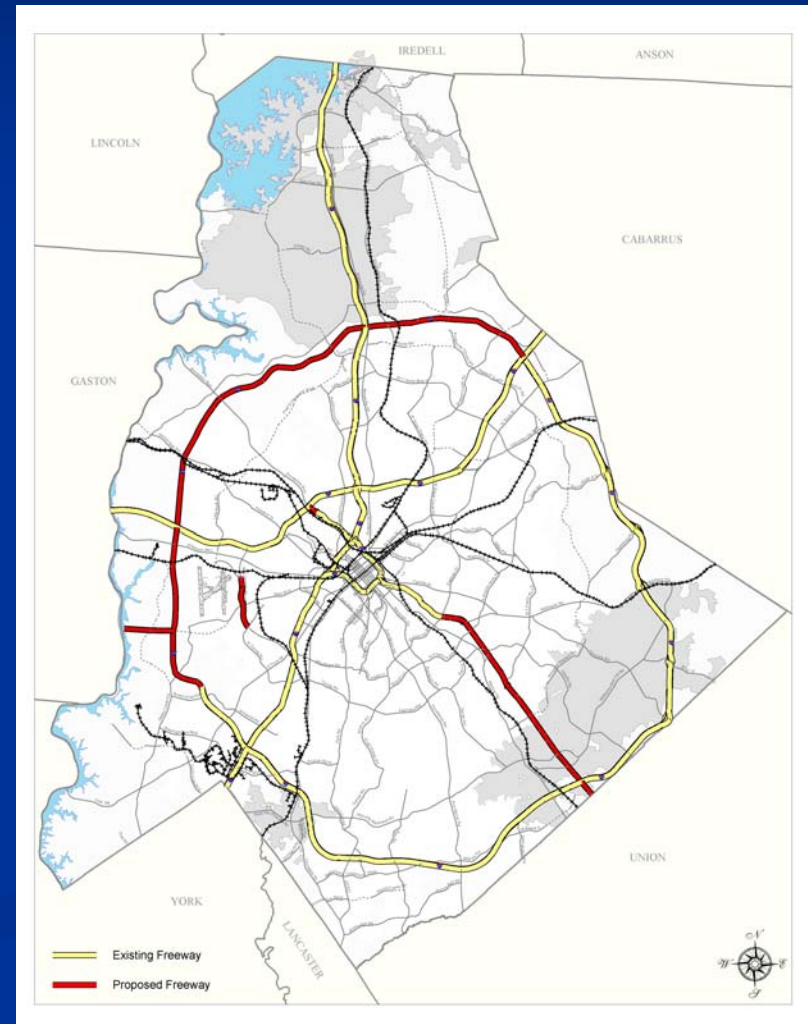
Year	Population	# of Employees	Person Trips per Day
2000	1.6 million	0.9 million	5.2 million
2030	3.1 million	1.7 million	10.0 million

- 94% population growth
- 89% employment growth

Crossroads of Commerce



6 of NC's 13
Intermodal
Terminals
located in
Charlotte
region



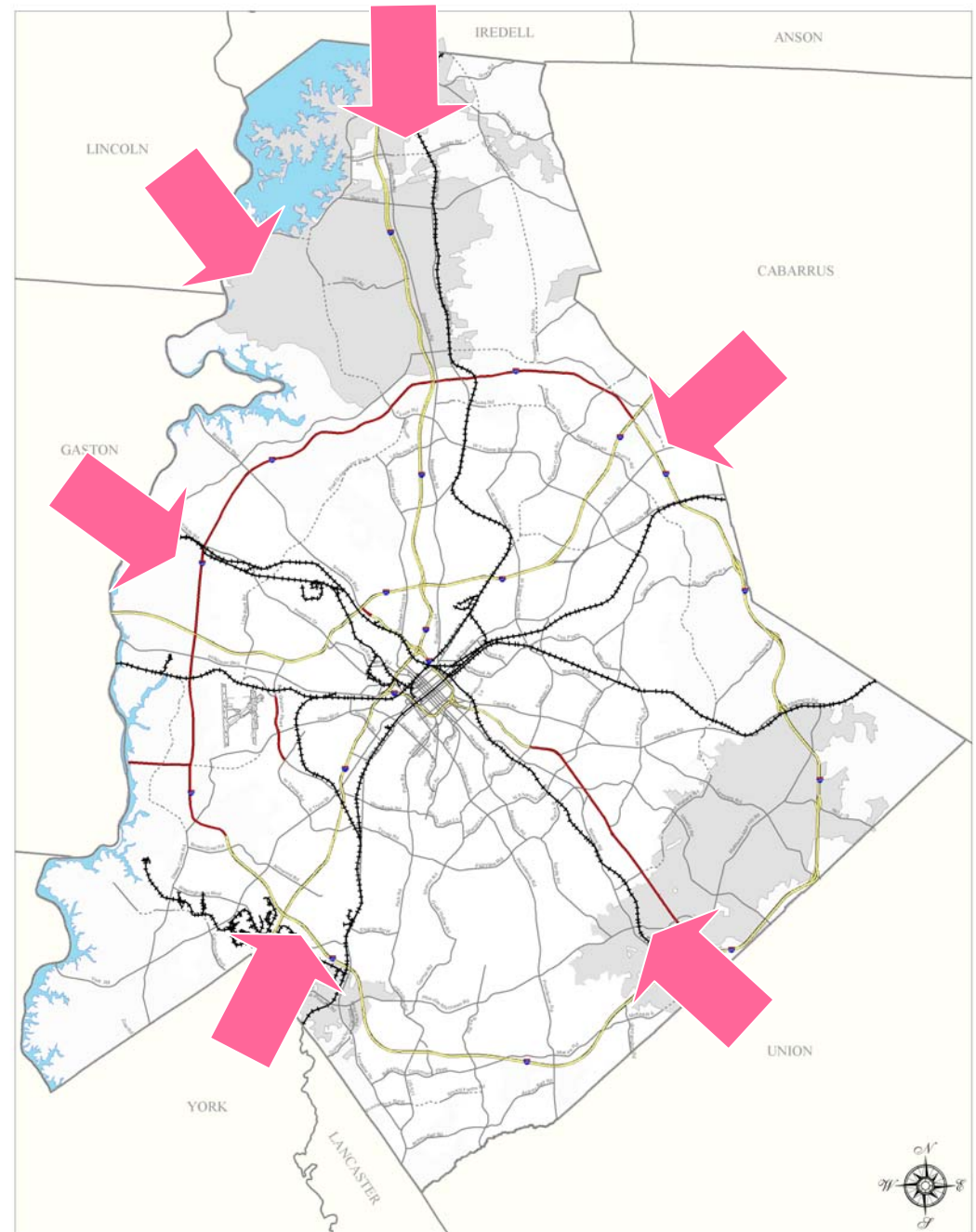
Regional Travel Destination

In 2000...

- 960,000 trips per day from surrounding counties
- One in three jobs held by commuters from adjacent counties

By 2030...

an additional 1.2 million trips per day will cross Mecklenburg County line



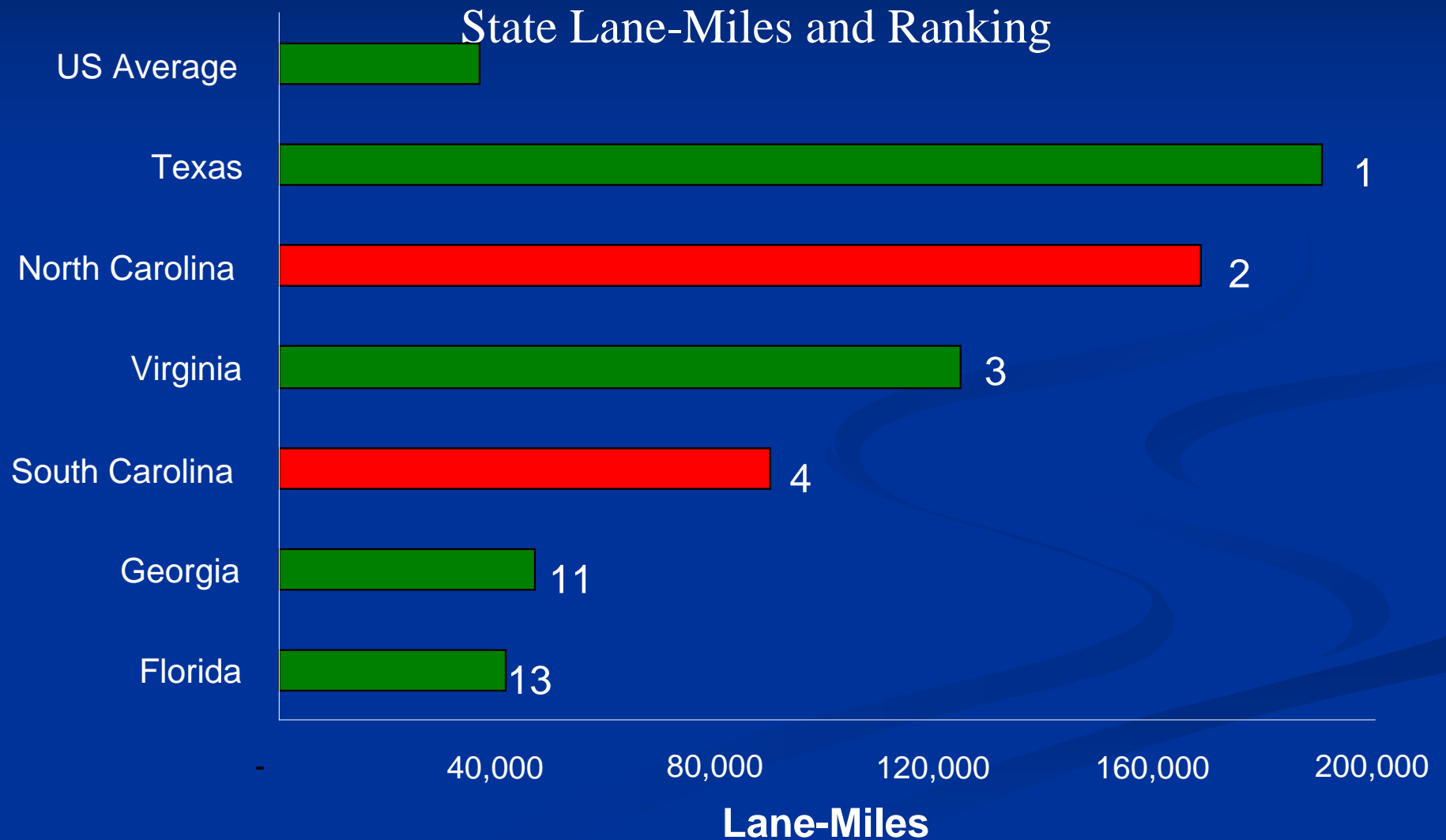
NCDOT Facts

- Roads 2nd largest state system
- Bridges 2nd largest, 18,540 – 377 miles
- Ferries 2nd largest system, 23 ferries
- Rail Passenger & Freight Support, 4,350 crossings
- Public Transportation County, Urban & Regional Support
- Aviation General Aviation Support, 63 airports
- Bicycle and Pedestrian 3,000 mile state system
- Addition Support Highway Patrol, Contributions to Municipal Budgets and General Fund

SCDOT Facts

- Roads 4th largest state system
- Bridges 9th largest, 8,329 – 280 centerline miles
- Ferries Local Ferry Support, One Ferry
- Rail Freight support, 2693 crossings
- Public Transportation Urban, rural, regional support, 24 providers
- Aviation 6 commercial, 64 municipal, 17 heliports
- Bicycle and Pedestrian 1,550 miles state system
- Addition Support Contribute to State Infrastructure Bank, local sales tax, C-funds

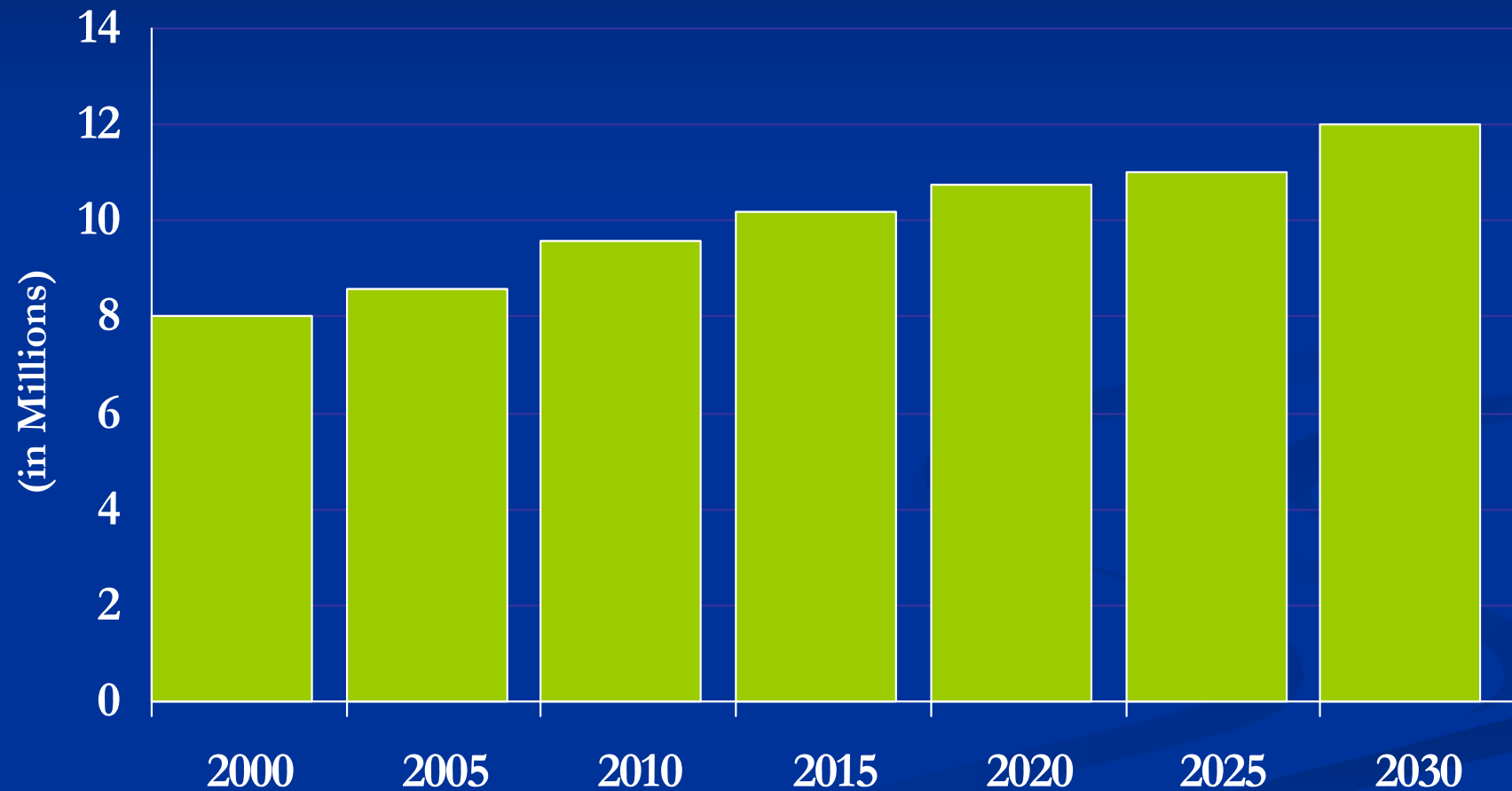
System Responsibility



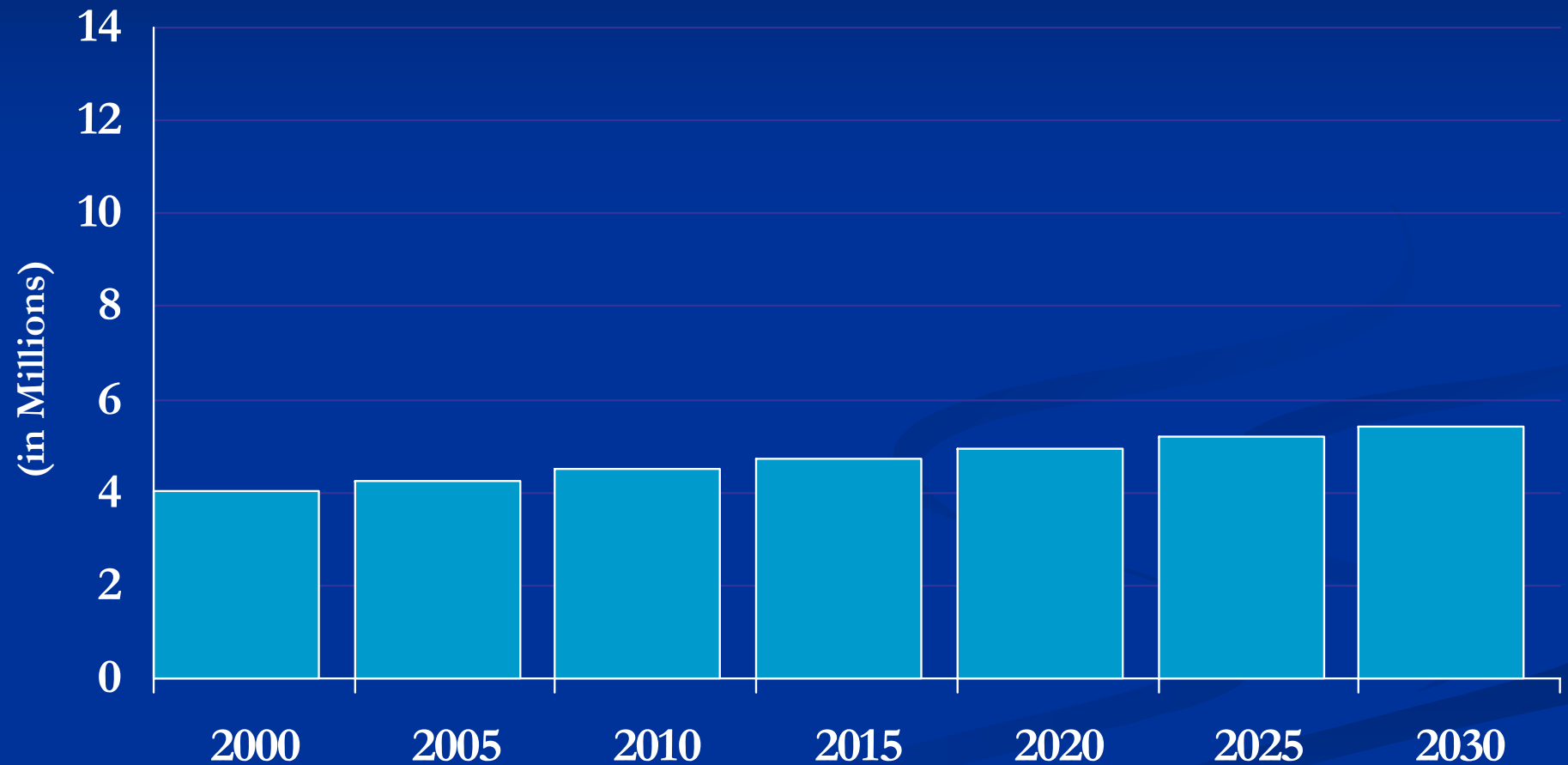
NC Population Growth



NC Population Growth

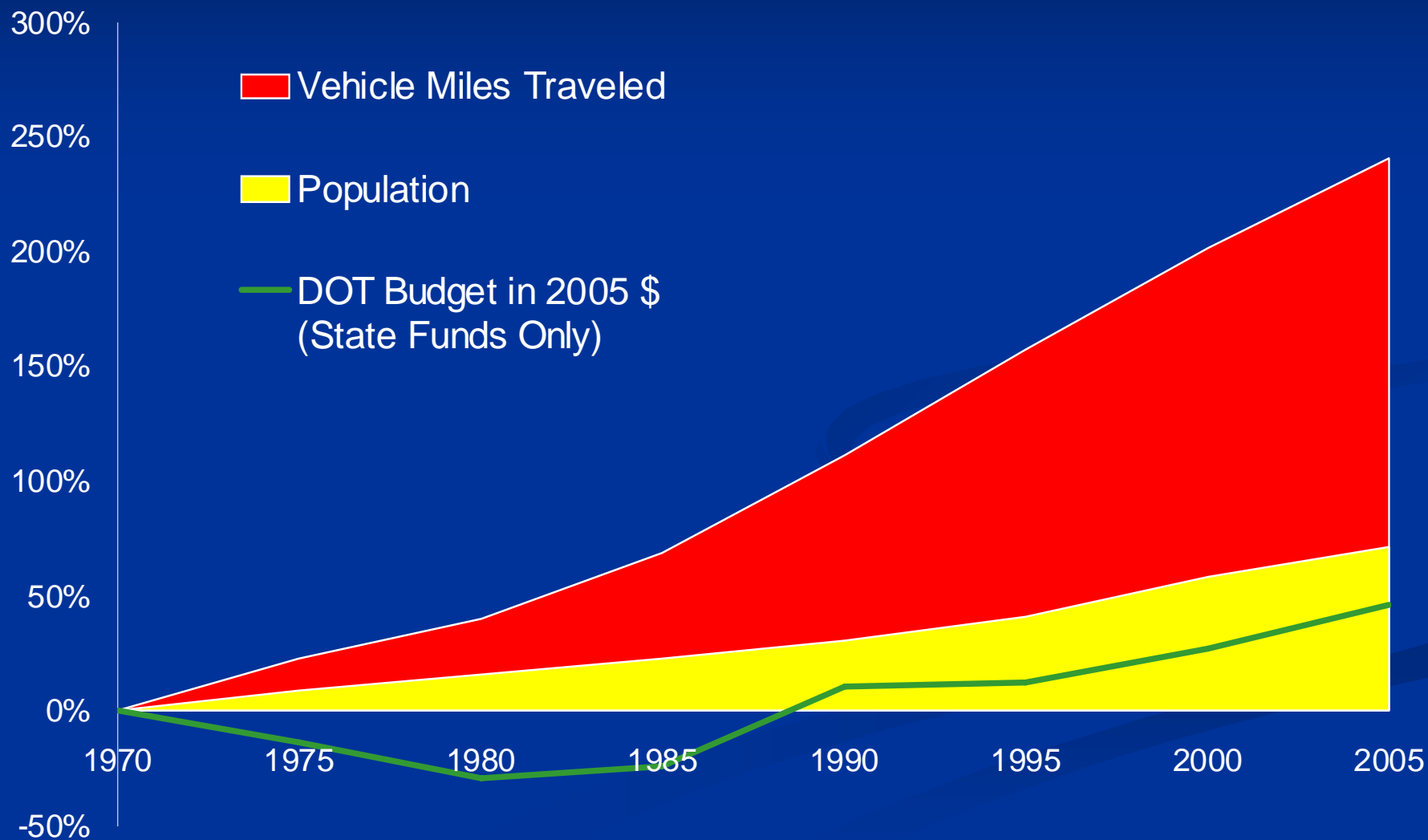


SC Population Growth



Funding Issues

North Carolina Growth

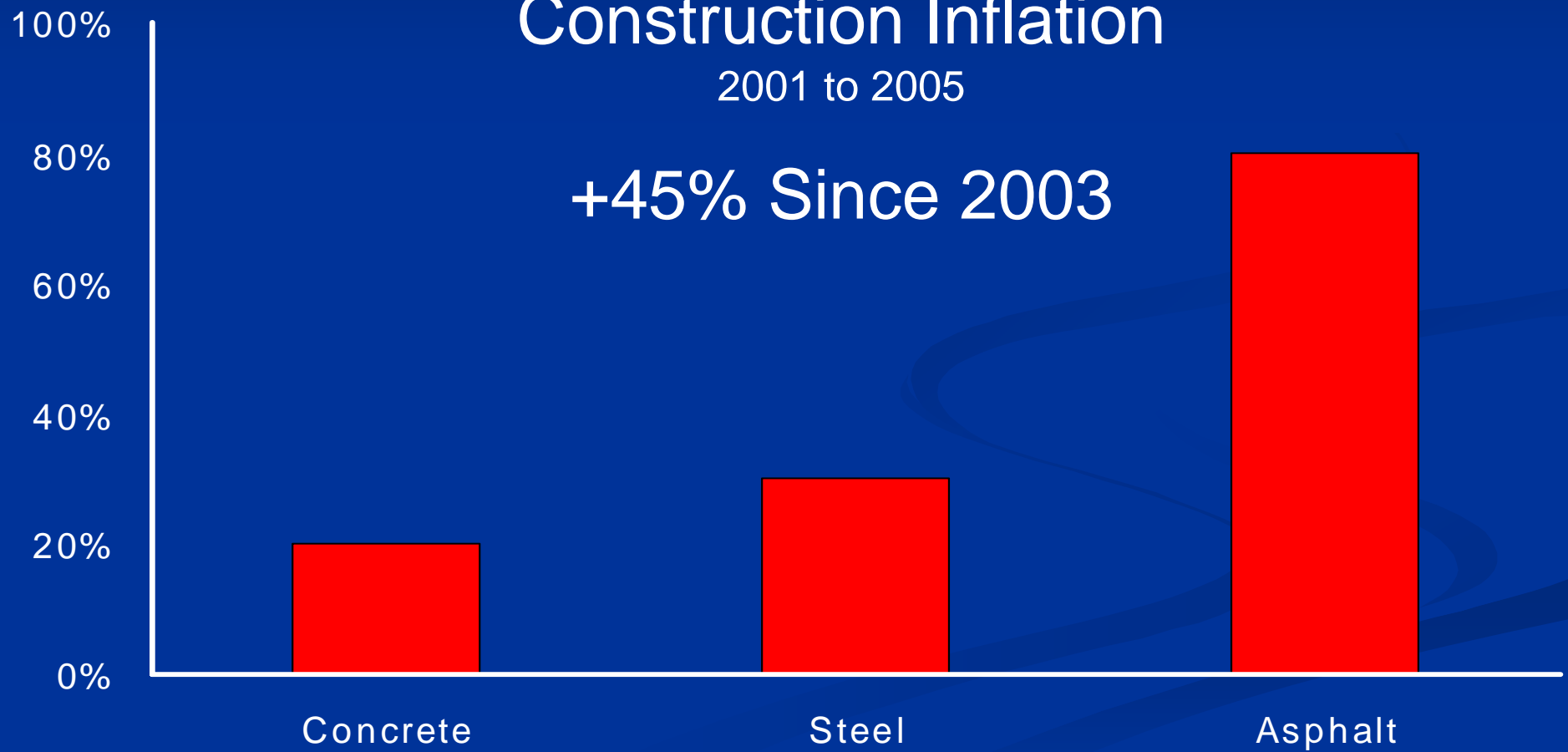


Inflation

Construction Inflation

2001 to 2005

+45% Since 2003



Growing Funding Gap

(NC State Long Range Transportation Plan)

Timeframe
2001 to 2025

\$55 Billion

\$29 B "Gap"

\$84 Billion

"DRAFT ESTIMATE"

Timeframe
2005 to 2030

\$57 Billion

\$65 B "Gap"

\$122 Billion

SC Funding Gap

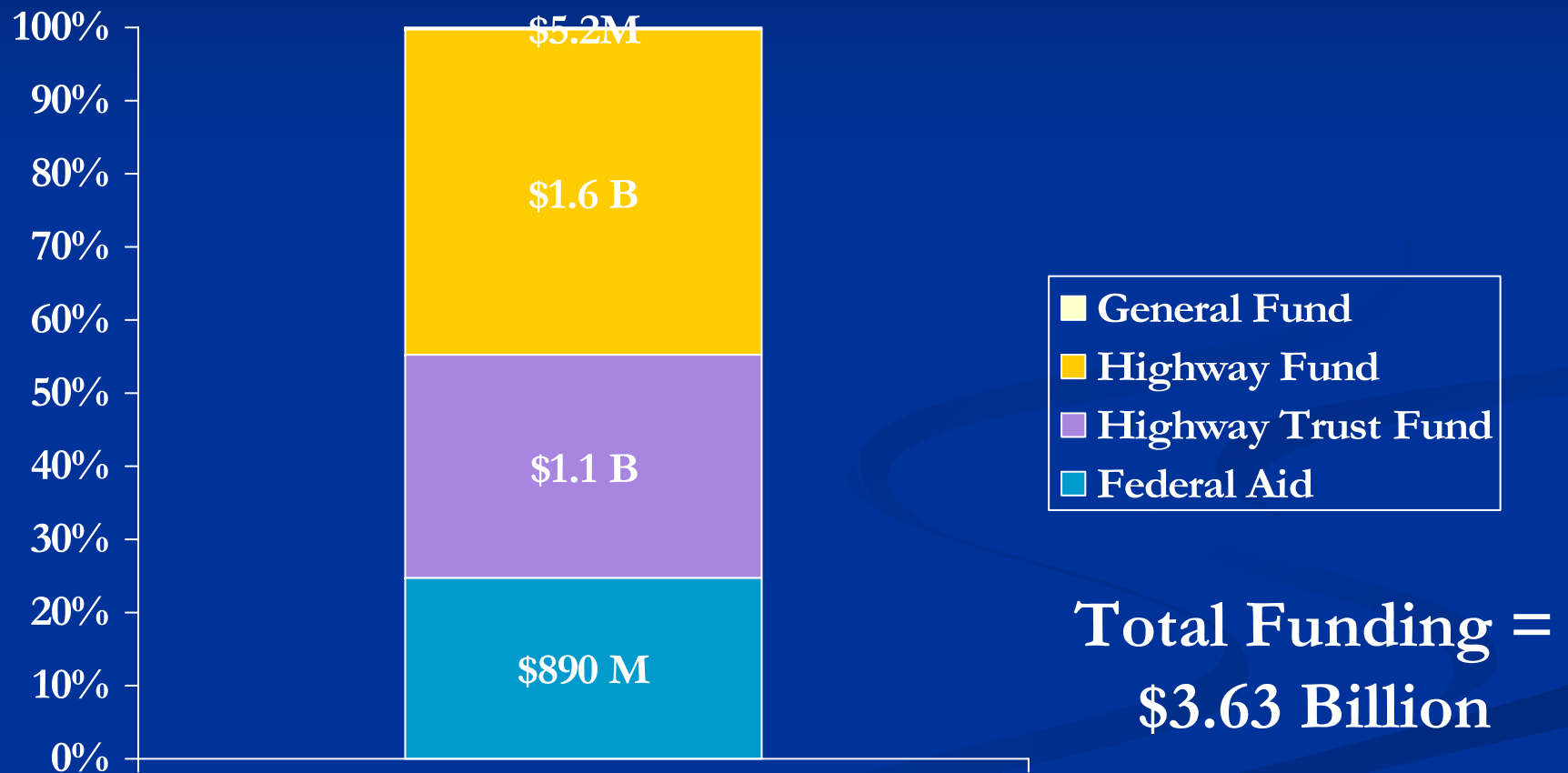
(Updated in January 2005 in 2004 dollars)

\$19.4 Billion

\$40.9 B "Gap"

\$60.3 Billion

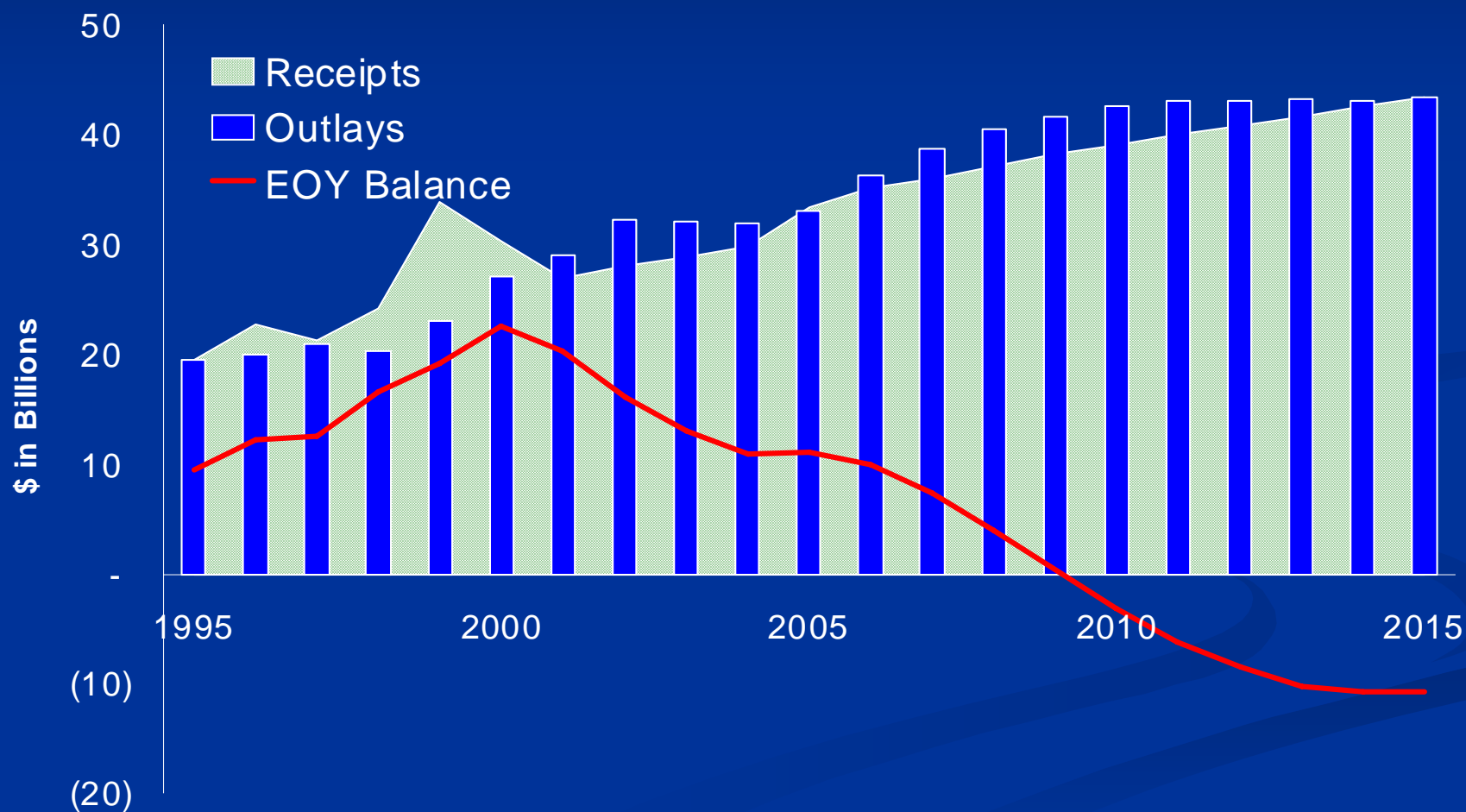
NCDOT FY 2006 Budget



Federal-Aid

- Derived from federal fuel tax (18.4 cent gas tax, 24.4 cent diesel tax)
- Annual formula-based apportionments to states
- Can pay for core programs, intrastate and secondary roads
- Subject to equity formula (NC)
- Core programs have specific purposes, thus limited flexibility
- Flat long-term growth when considering inflation – disappointing results from federal re-authorization bill – obligation authority only 86 percent

Reduced Federal Outlook



Highway Fund (NC)

- Derived from state fuel tax (22.4 cents) and fees (inspections, license fees, registration, etc.)
- Can pay for maintenance, Powell Bill, transit, bridges and operations
- Not subject to equity formula
- Not used for TIP highway projects
- Flat long-term growth when considering inflation – recent fee increases helped

Highway Fund (SC)

- Derived from state fuel tax (16.25 cents) and fees (general fund, license fees, registration, interest, tolls, etc.)
- Can pay for maintenance, administration, federal match, county transportation committees (CTC), transit, toll operations and safety.
- Flat long-term growth when considering inflation – last gas tax increase in 1987

Highway Trust Fund

- Derived from state fuel tax (7.5 cents), fees, and 3% Highway Use Tax
- Established in 1989
- Has specific statutory purposes
- Primarily for completion of 3600-mile intrastate system and construction of designated Urban Loops
- Intrastates subject to equity formula, but secondary roads, urban loops, and Powell Bill are not
- Positive long-term growth – Governor's budget reduced General fund transfer from \$250 M to \$170 M – but trust fund is restricted to projects mandated by the Legislature

Regional Roads Committee Needs Assessment for Charlotte Region (13 counties)

2000 Needs

- 41 projects
- \$4 billion total cost
- \$2 billion needed to complete
- \$2 billion funded

2007 Status



- 9 completed projects
- 12 unfunded projects
- 20 projects underway
- \$6 billion total cost
- \$4 billion still needed to complete
- \$2 billion funded
 - \$1.0 billion toll funding
 - \$1.0 billion TIP funding



Regional Roads Committee 2000 - 2007 Changes

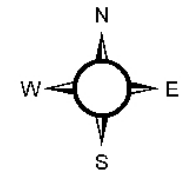
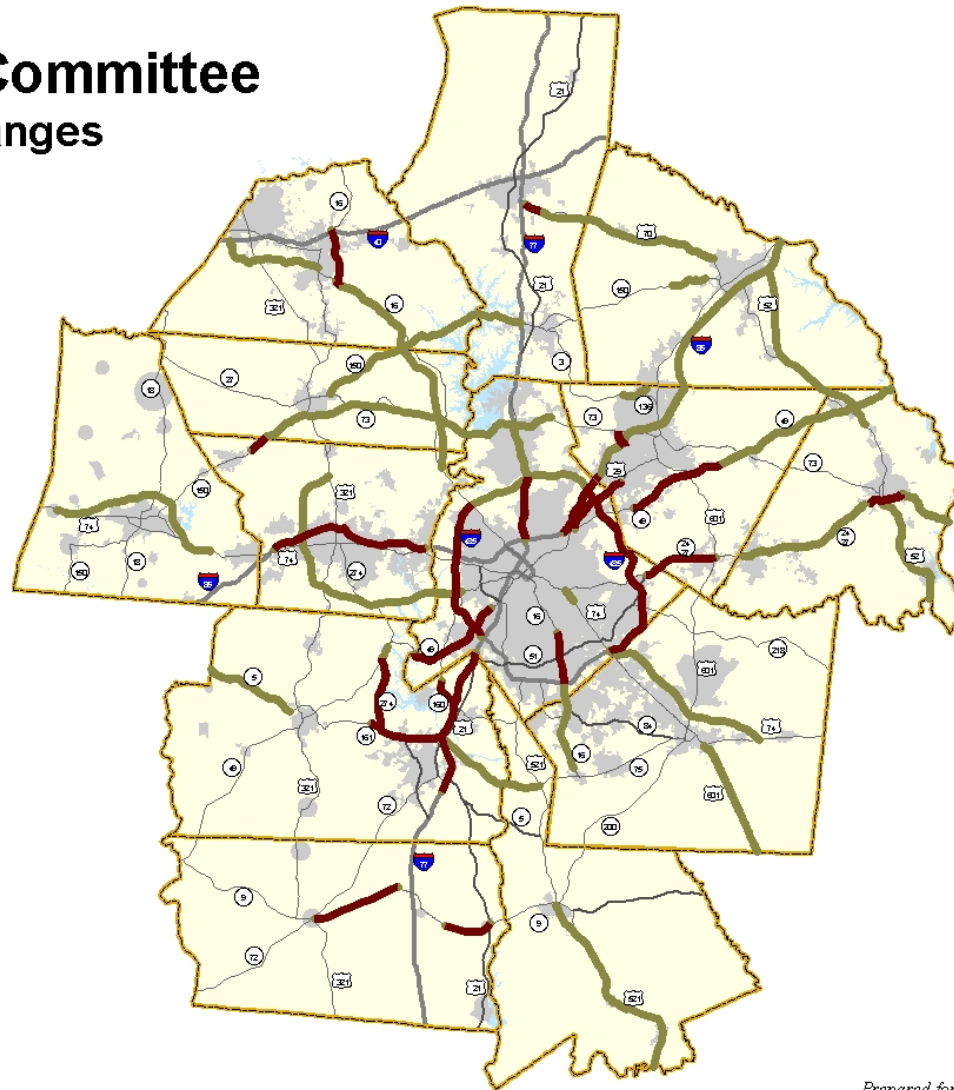
Road Projects

-  Completed*
-  2000 Needs*

-  Municipality
-  County Boundary

* Based on 2000 BCRTS report project list,
MPO LRTP 2020 project lists, and latest
State TIPs

0 5 10 20
Miles



Financial assistance provided by Advantage Carolina

Prepared for Regional Roads Committee, April 2007



Regional Roads Committee Highway Needs Map

Roadways

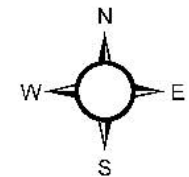
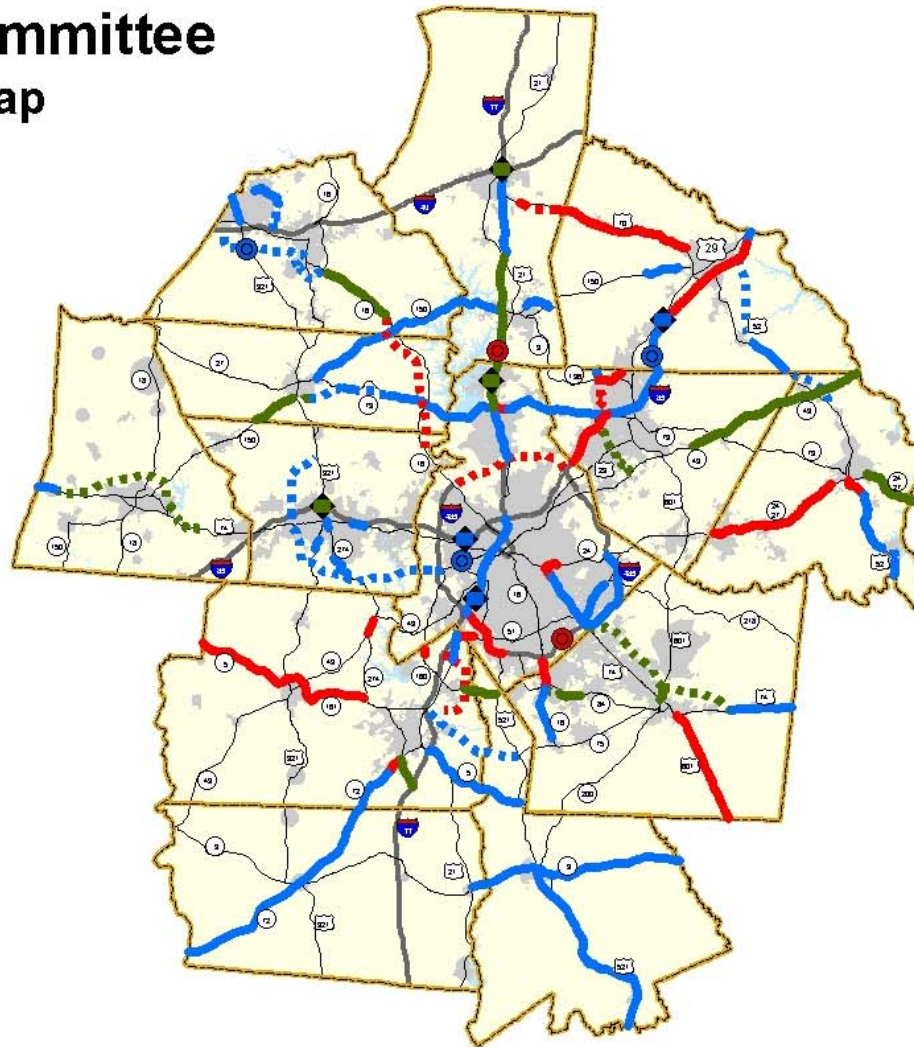
-  Funded Improvement
-  Partially Funded Improvement
-  Unfunded Improvement
-  Funded New Road
-  Partially Funded New Road
-  Unfunded New Road

Interchanges

-  Partially Funded Improvement
-  Unfunded Improvement
-  Funded New
-  Unfunded New

-  Municipality
-  County Boundary

0 5 10 20 Miles

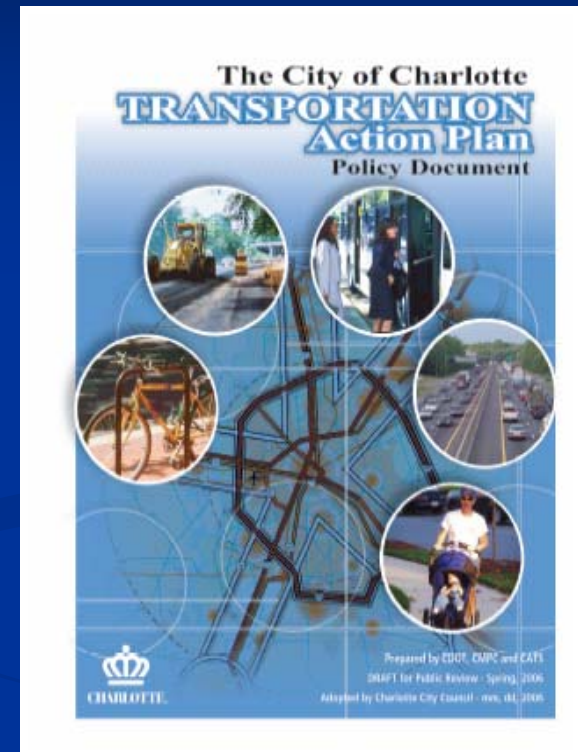


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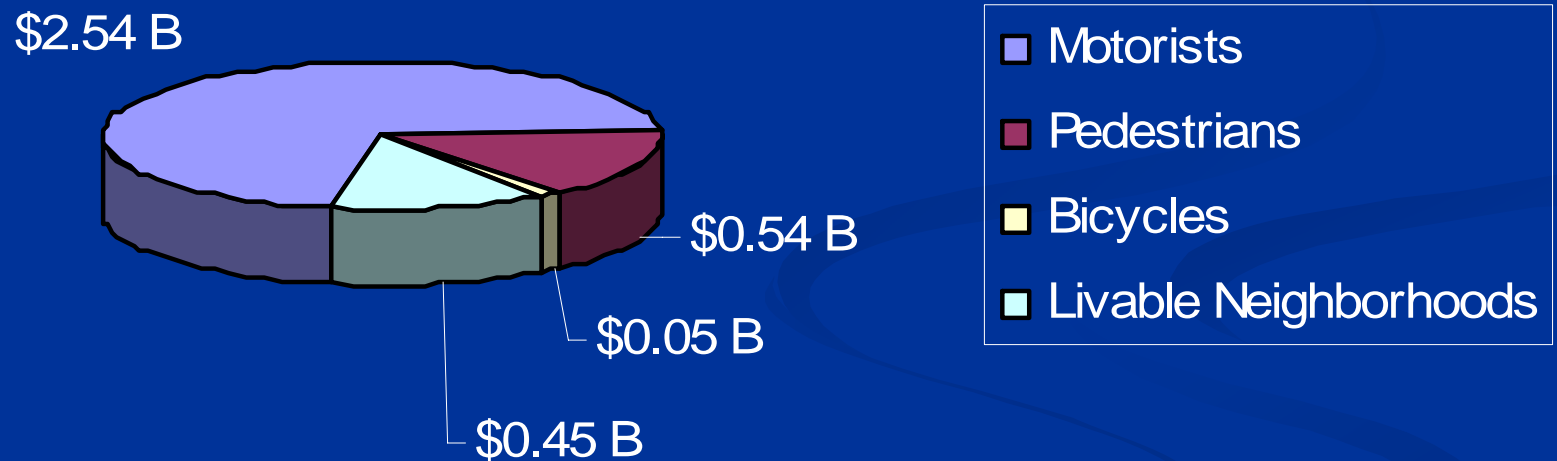
Transportation Action Plan (TAP)

- The City of Charlotte's first long-range, comprehensive multi-modal transportation plan



Proposed 25-year Expenditures in TAP, by Category

\$3.57 Billion



Ways of Funding Transportation Used Nationwide

- Sales Tax
- Personal Income Tax
- Cigarette Tax
- Liquid Fuels Tax
- Motor Vehicle Rental Tax
- Motor Vehicle Lease Tax
- Vehicle Registration Fee
- Vehicle Title Fee
- Tire Tax
- Vehicle Property Tax
- Property Tax
- Real Estate Transfer Tax
- Transportation Impact Fees
- Casino Revenue
- Lottery
- Highway/Bridge Toll Revenue

Questions and Comments



Equity Formula

Established in 1989

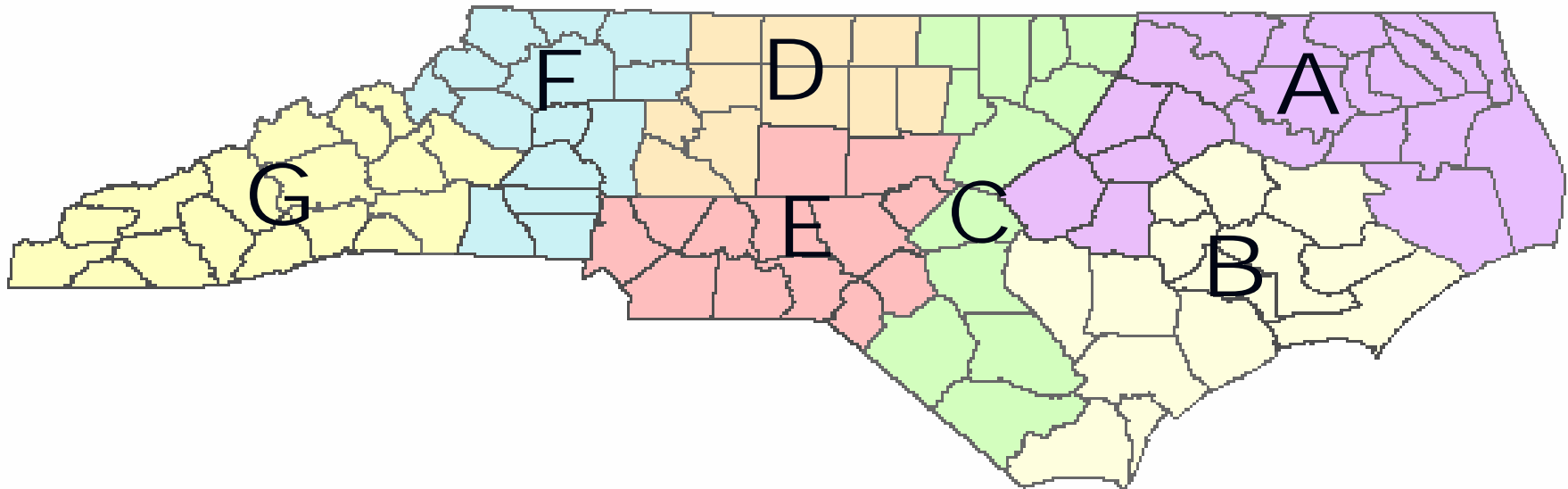
Urban Loops , Secondary Roads, and Powell Bill Excluded
Applies to NCDOT Funding Regions

50% POPULATION OF REGION AS PERCENT OF STATE	25% REMAINING INTRASTATE SYSTEM MILES	25% EQUAL SHARE
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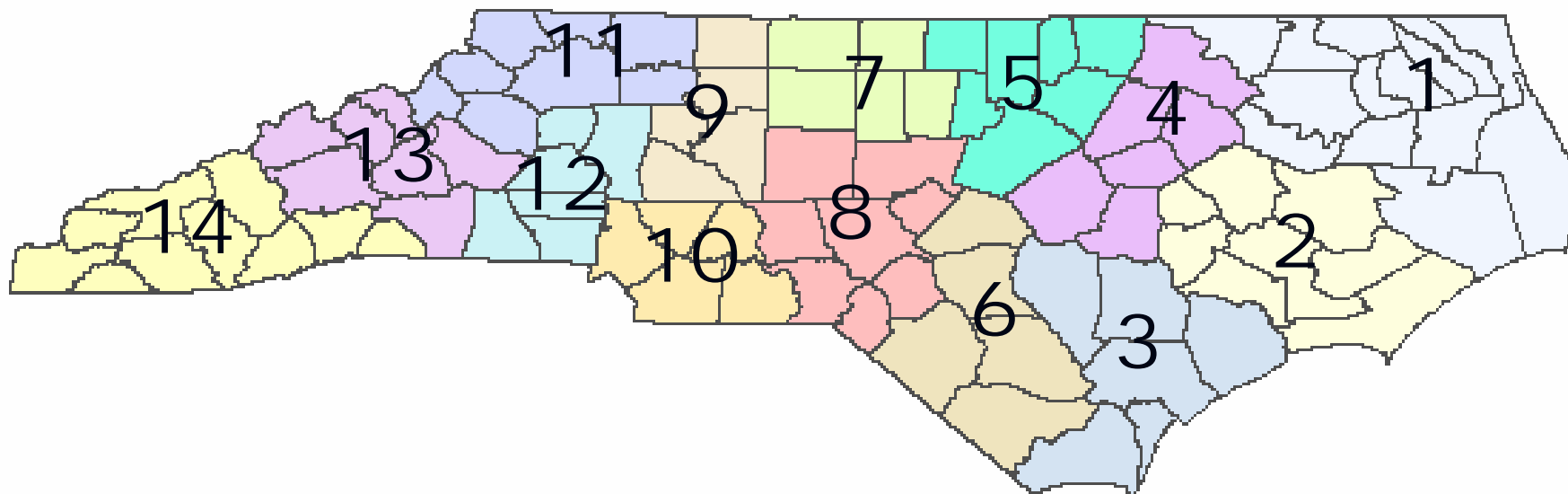
When 90% of Intrastate System is complete, the formula will change

66% POPULATION OF REGION AS PERCENT OF STATE	34% EQUAL SHARE
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NCDOT Funding Regions



NCDOT Divisions



Equity Formula Distribution to Region E

- Assume \$100 subject to Equity Formula
 - \$50 distributed by population share
 - 18.98% of \$50 = \$9.49
 - \$25 distributed by miles-to-complete of intrastate system
 - 15.85% of \$25 = \$3.96
 - \$25 distributed equally among seven funding regions
 - 14.29% of \$25 = \$3.57
- Region E receives $\$9.49 + \$3.96 + \$3.57 =$
\$17.02 out of every \$100 allocated in NC