



Leadership NC
November 8, 2018

TRANSIT INVESTMENT TIMELINE

Late 90'S -
Early 00'S

Project study and development of the Triangle's first attempt at a regional rail project.

2005

With a change in the anticipated level of federal funding and limited local sources, the regional rail project fails to move forward, highlighting the importance of a referendum.

2011

Durham County voters approve transit-dedicated half-cent sales tax.

2012

Orange County voters approve transit-dedicated half-cent sales tax.

Planning for our region's growth

- The Triangle is one of the fastest-growing regions in the nation.
- More than 2 million people are already part of the equation, and the region grows by more than 80 people a day.
- Growth brings new jobs and new opportunities, but also more traffic on already congested roadways.
- A strong regional transit system means better access and opportunities for everyone.



Durham & Orange counties' light-rail

17.7 Miles, 19 stations
between UNC Hospitals and
NCCU.

Serves three Universities:
NCCU, Duke and UNC.

Serves three of the top ten
employers in North Carolina.

Direct access to Duke Hospital,
UNC Hospital, the Durham VA
Medical Center and downtown
Durham.

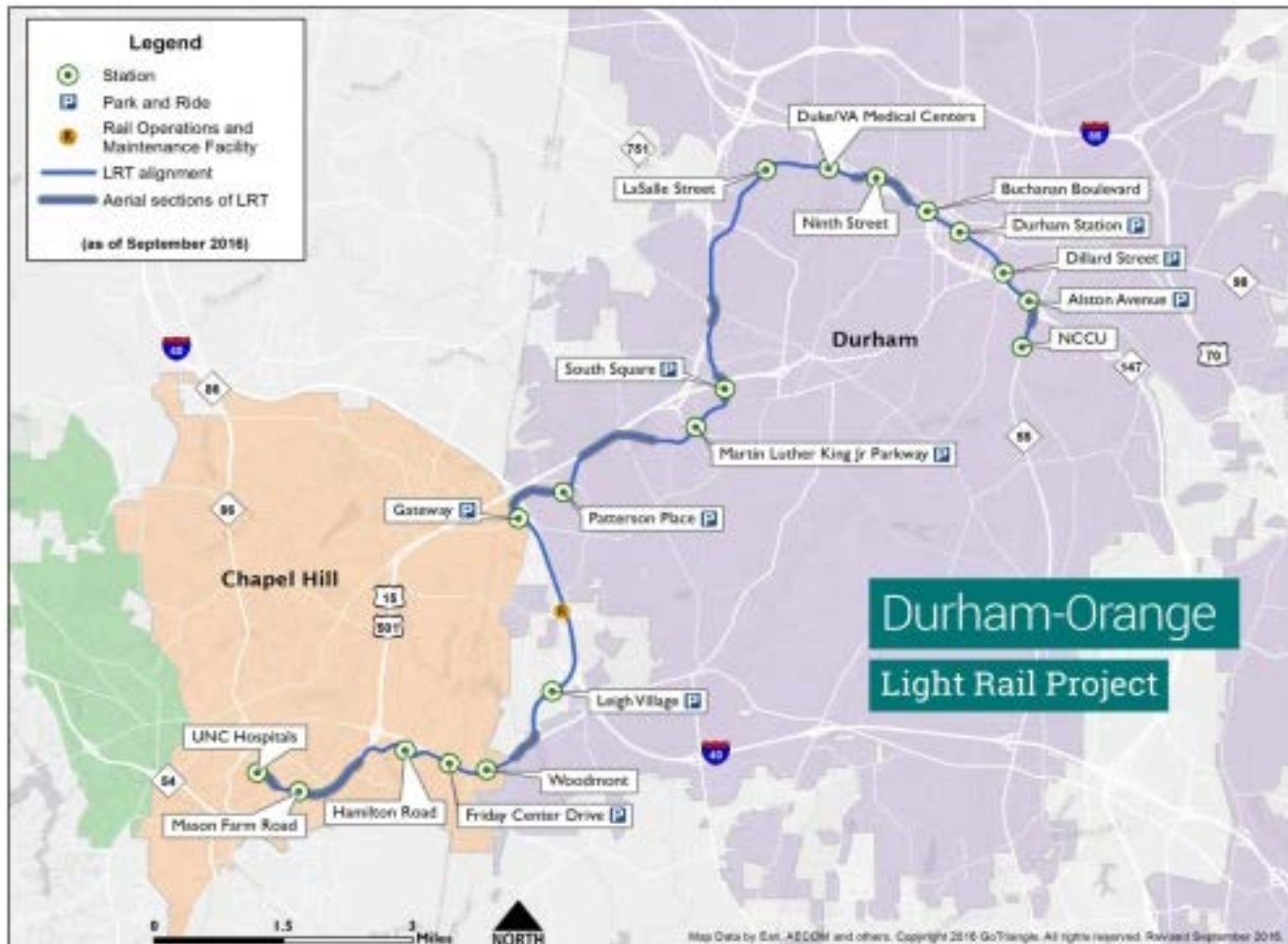


Durham & Orange counties' light-rail project



- Projected to create and support at least 20,000 jobs and infuse billions into the local and state economies.
- \$600 million in new yearly GDP for the state and \$175 million in new state and local tax revenue each year.
- The light-rail project will also support thousands of existing jobs across the state: suppliers, designers and manufacturers of rail transportation technology.

Light-rail project



What is a light-rail vehicle?

90'
Light Rail
Vehicle



40' Bus



ADA
Accessible



Bike Racks/
Bike Access



Security
Cameras



On-Board Seating/
Standing Access



Overhead
Electric
Power



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Updated Light-Rail Investment Plan

Federal
50%

\$1,238 million (YOE)

Durham 30% **\$738.4 million (YOE)**

Durham 2.3% **\$57.6 million (YOE)**

State
7.7% **\$190 million (YOE)**

Orange
6% **\$149.5 million (YOE)**

Other 4% **\$102.5 million (YOE)**

Timeline & Full Funding Grant Agreement

We are here

2014-2016

**Project
Development**

- Evaluate alternatives and recommend NEPA Preferred Alternative
- Complete Environmental Impact Statement (EIS) and preliminary engineering

2016-2019

**Final Design/
Engineering**

- Complete Final Design and Engineering
- Acquire state and local funding commitments
- Begin property negotiations and acquisitions

2019-2026

Construction

- Secure Full Funding Grant Agreement (FFGA)
- Procurement of long lead items
- Begin Construction
- Vehicle testing

Station Area Planning

Chapel Hill

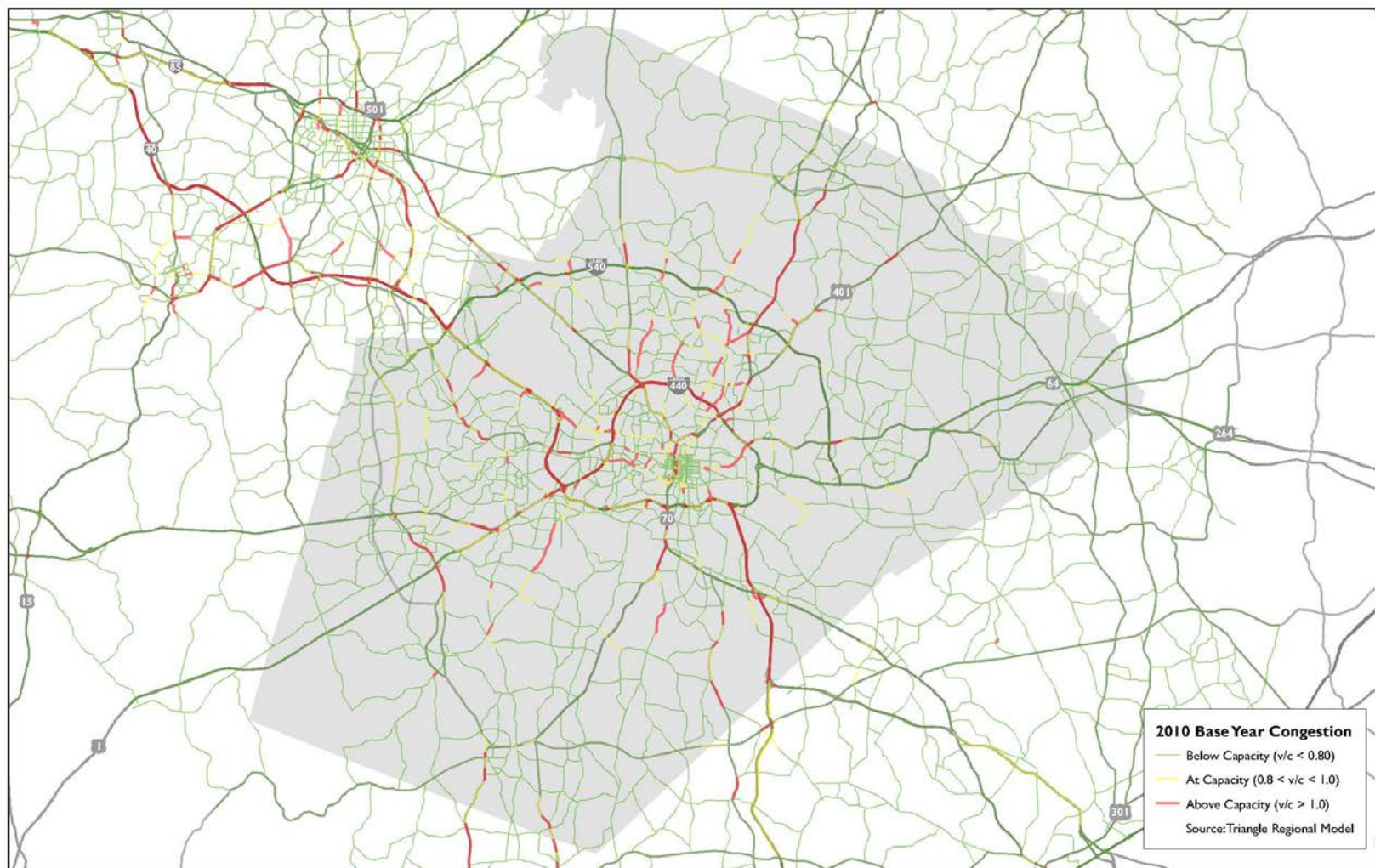
- Concept refinement of station areas (Gateway depicted)
- Coordinating zoning strategies within station areas
- Coordination with UNC
- Infrastructure Analysis



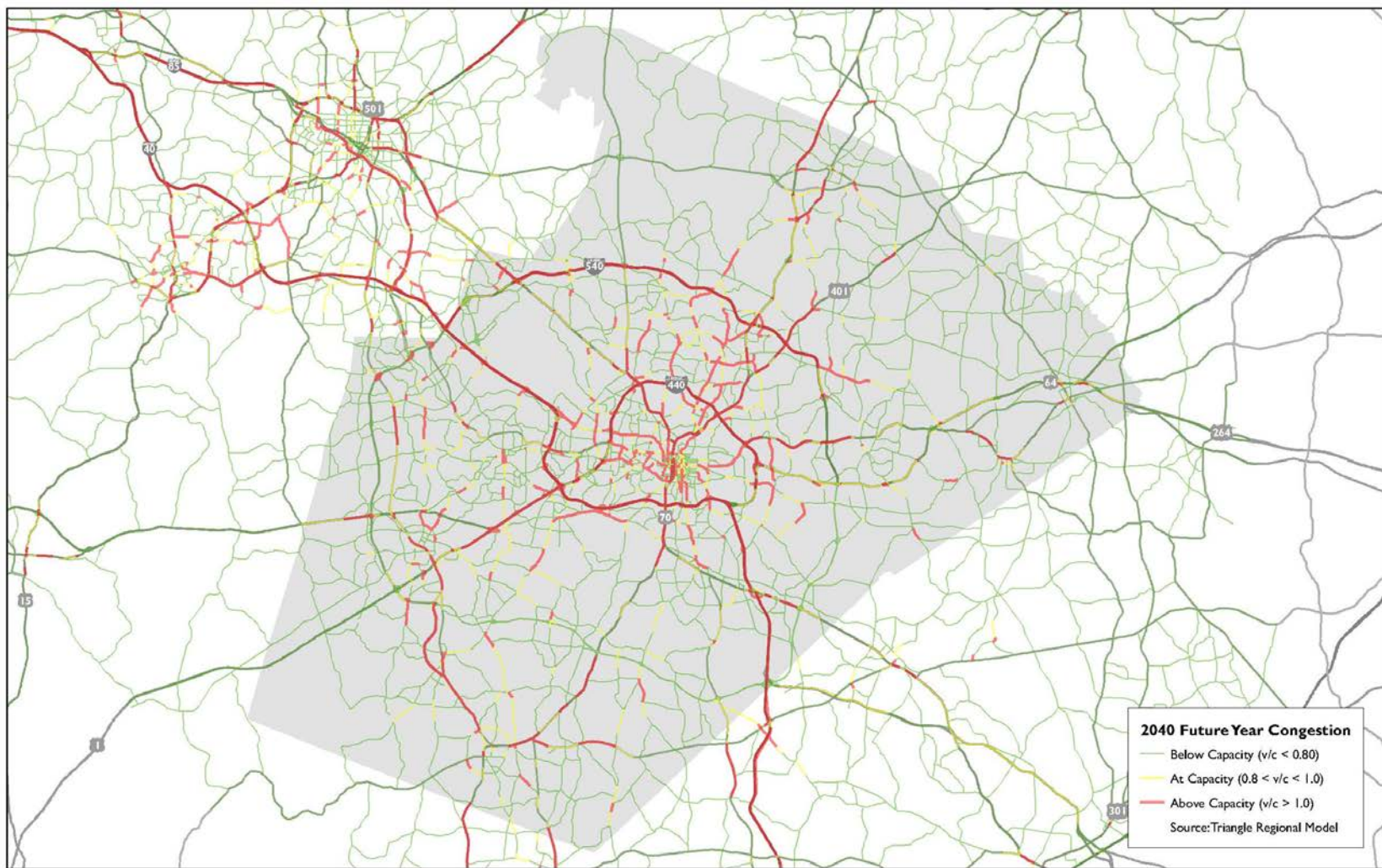
**Wake County alone is growing
by more than 60 people per**



2010 Congestion Map



2040 Congestion Map



Wake Transit Referendum

In November 2016, Wake County voters approved a transit-dedicated half-cent sales tax investment to expand and better connect the public transit network throughout Wake County. The plan will:

1

CONNECT the
region

2

CONNECT
all Wake
County
communities

3

PROVIDE
frequent,
reliable urban
mobility

4

ENHANCE
access to
transit

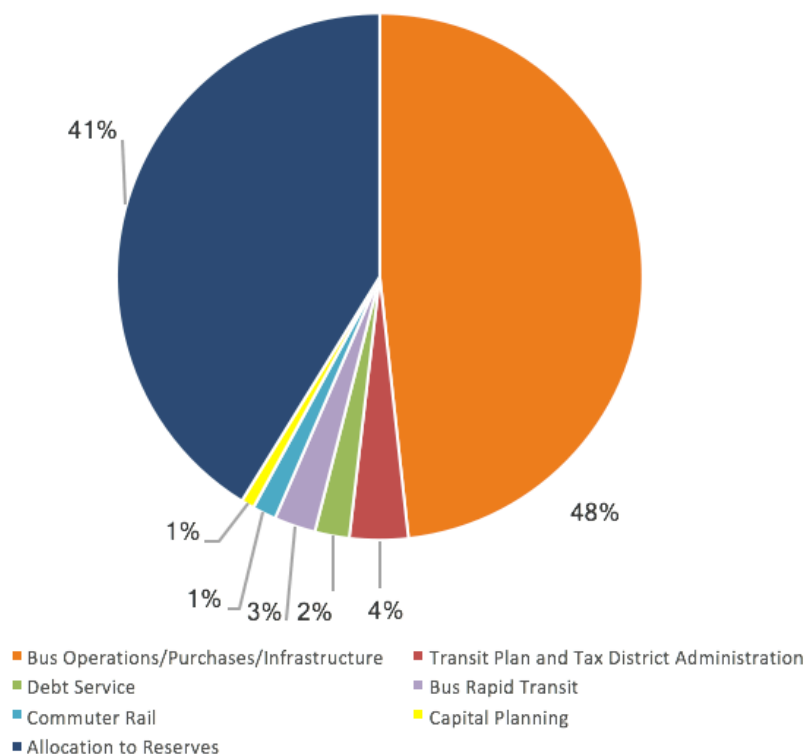
Anticipated revenue and investments fiscal year

This is the second year of a 10-year plan

Revenues

Half-cent local option sales tax	\$86.7 million
Vehicle rental tax	\$4.1 million
\$7 county vehicle registration tax	\$6 million
\$3 increase to regional vehicle registration tax	\$2.6 million
Total local	\$99.4 million
Other (federal, state, fares and debt proceeds)	\$16.8 million
Total	\$116.3 million

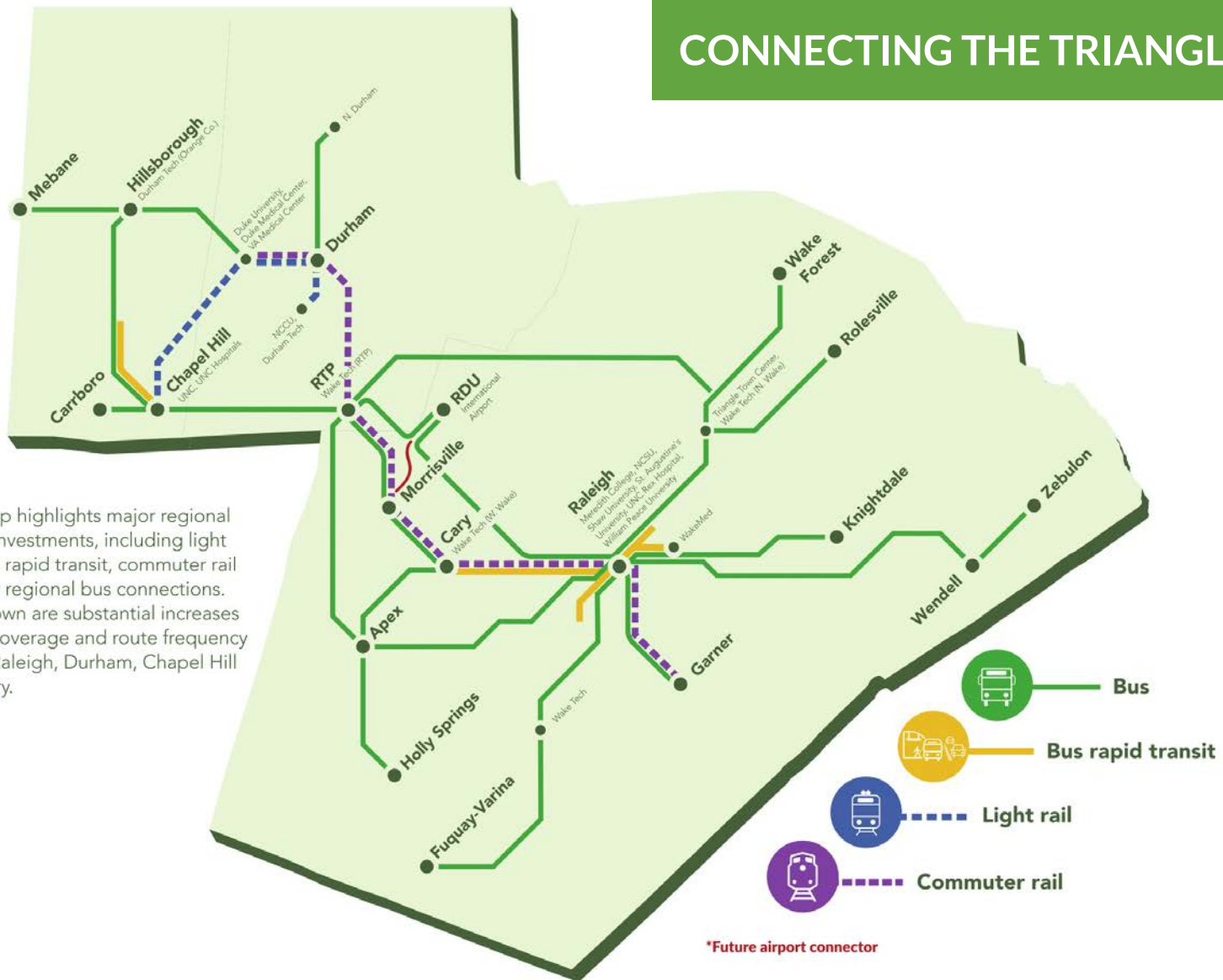
Expenditures



CONNECTING THE TRIANGLE

NOTE:

This map highlights major regional transit investments, including light rail, bus rapid transit, commuter rail and key regional bus connections. Not shown are substantial increases in bus coverage and route frequency within Raleigh, Durham, Chapel Hill and Cary.



Transit improvements in Wake County will include:

Expanding bus service



Improving bus stops and shelters



Implementing bus rapid transit



Building a 37-mile commuter rail system



Expanding bus service

- Planned improvements:
 - Adding routes to connect to all Wake County communities.
 - Increasing the number of miles with 15-minute service from 17 to 83, with most routes running every 30 to 60 minutes.



Improving bus stops and shelters



- Together with improved service, better bus stops and shelters will make using transit easier and more convenient.
- New park-and-rides and transit centers will also be built to provide better access to our transit system.

Implementing bus rapid transit (BRT)



- Four corridors have been identified in the plan, operating north, south, east and west from downtown, linking Raleigh to Cary, Garner and the WakeMed campus area.
- The plan includes about 20 miles of bus rapid transit providing:
 - dedicated bus lanes
 - priority signaling at intersections
 - stations instead of stops
 - frequent service seven days a week

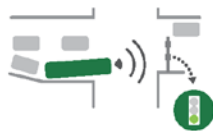
WHAT IS BUS RAPID TRANSIT?



FREQUENT
ON-TIME SERVICE



ENHANCED FARE
COLLECTION
SYSTEMS



TRANSIT
SIGNAL PRIORITY



BUS RAPID
TRANSIT
BRANDING



DEDICATED
LANES



SPECIALIZED
VEHICLES



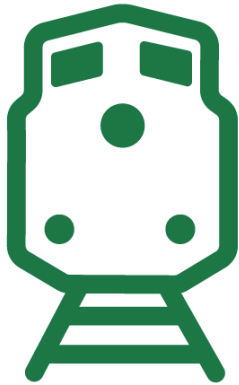
ENHANCED
STATIONS

Bus Rapid Transit



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Building a commuter rail system



- Will provide 37 miles of service from Garner to Downtown Raleigh, N.C. State University, Cary, Morrisville and the Research Triangle Park continuing to Durham.
- Will use existing railroad tracks to provide comfortable passenger service that allows riders to relax or work on their way to key destinations.


Commuter Rail Transit



RIDE THE BUS FREE!

Ages 13-18

youthgopass.com



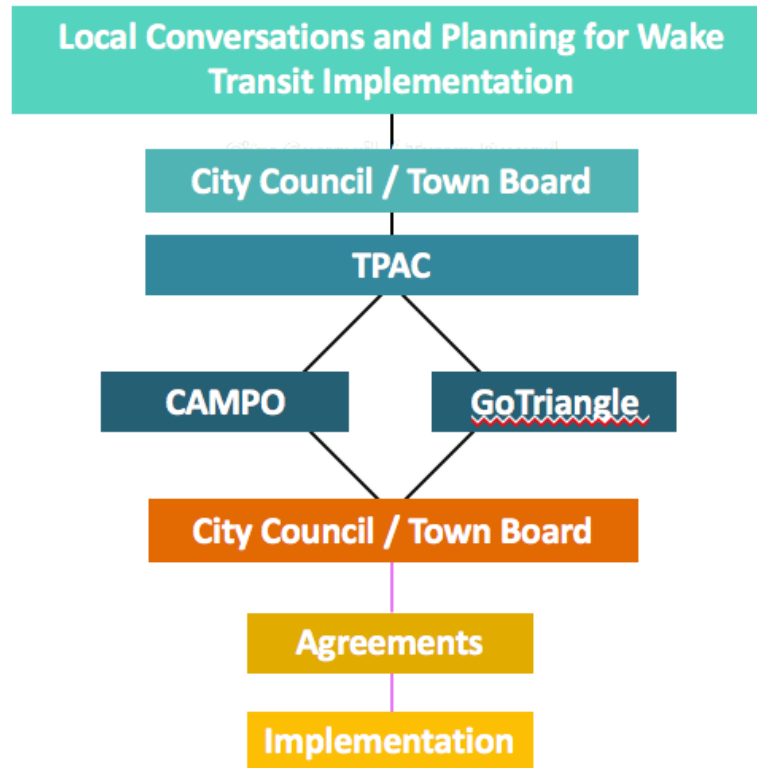
**Youth
GoPass**
YouthGoPass.com

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919.485.RIDE (7433)

GO Triangle **GO** Raleigh **GO** Cary **GO** Durham

Governance Structure, Wake Co. Transit



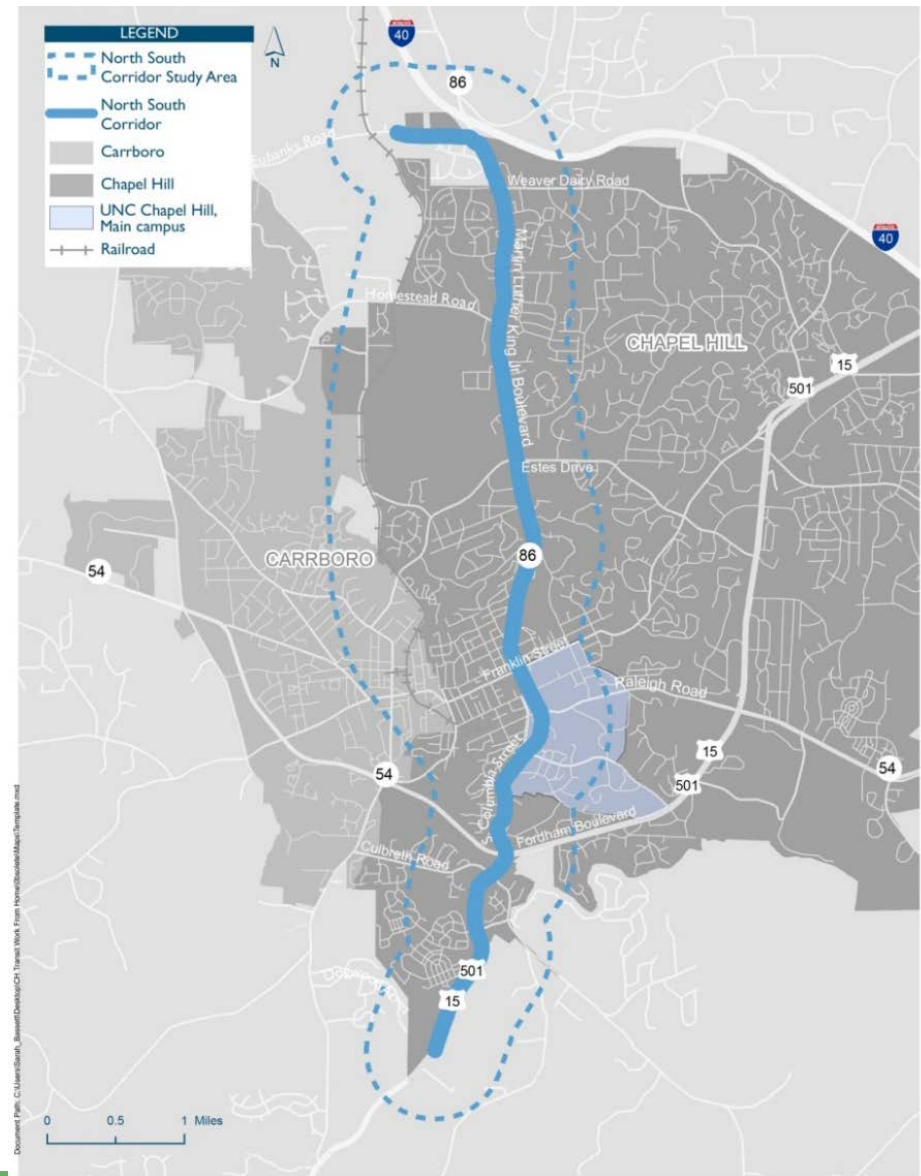
29

Transit Governance Structure

	Funding	Implementation	Approval	Governance	O&M
NCDOT	X				
FTA	X		X		
Local Transit Agencies	X	X	X	X	X
MPO's	X		X	X	
Counties	X		X	X	
Railroads		X	X		

Other Major Regional Transit Investments

Chapel Hill North-South bus rapid transit corridor



Chapel Hill N-S bus rapid transit

- Approx. \$105 Million, 8.3 Miles, 16 Stations
- In FTA Small Starts Project Development Phase
- Seeking 70% Federal Funding Share, 30% Non-Federal
- Connects to Durham-Orange Light Rail at UNC Hospitals

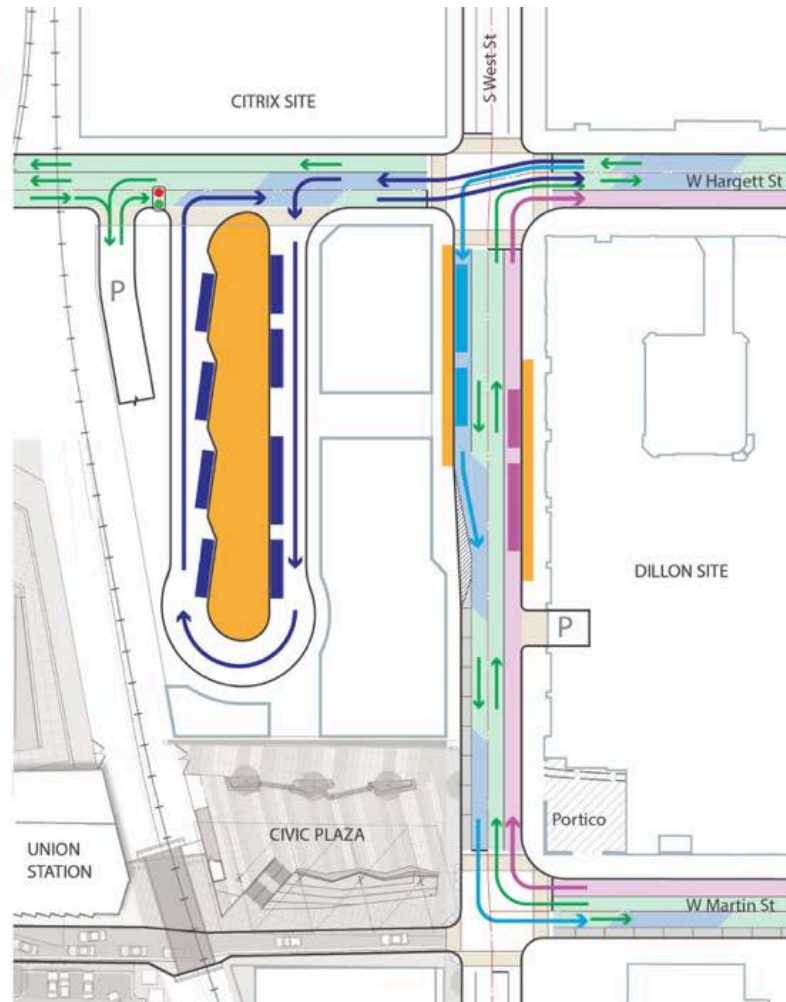
Raleigh Union Station Bus (RUS Bus)

Bus Facility Concept Design

U shape Plan

GO Triangle WSP PARSONS BRINCKERHOFF

- BRT Lane
- Bus to Facility
- Bus to West St
- Car Lane
- Bus Stop Area

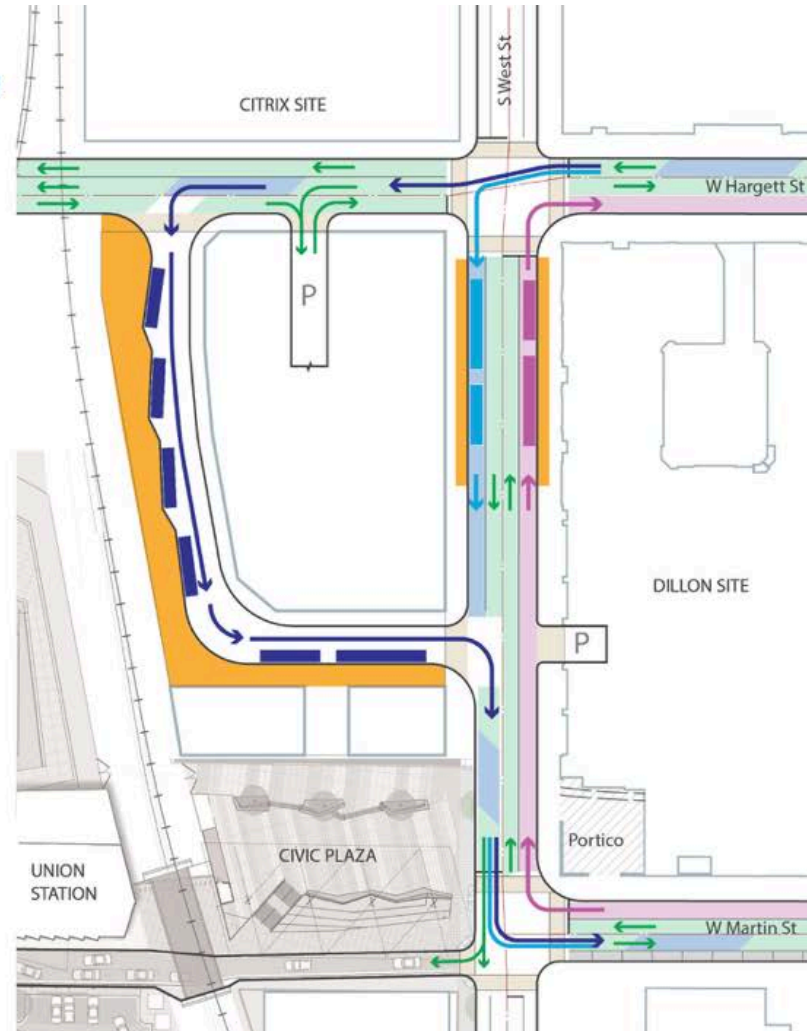


Raleigh Union Station Bus (RUS Bus)

Bus Facility Concept Design

L shape Plan

- ← BRT Lane
- ← Bus to Facility
- ← Bus to West St
- ← Car Lane
- ← Bus Stop Area

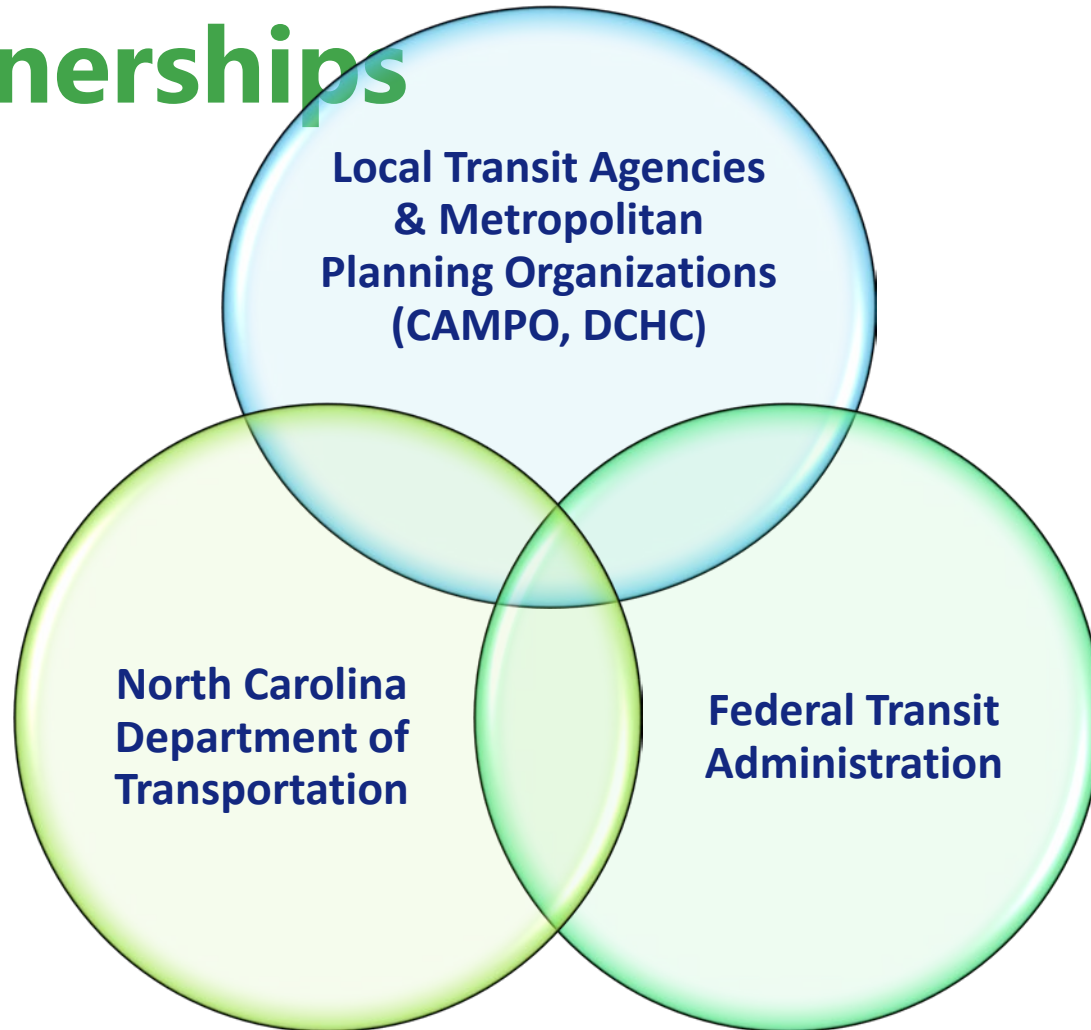


Raleigh Union Station Bus (RUS Bus)

Performance Comparison - Parking Performance



Local, State & Federal Partnerships



Partnerships

- Triangle area transit agencies partnered on a rebrand project to highlight system connectivity.



Partnerships

- GoTriangle partnered with NCDOT to offer more transit choices to help people avoid driving in the Fortify Work Zone.



Partnerships

- GoTriangle partnered with RDU International to highlight transit connection to the airport with joint resolutions of support & new airline wrapped bus.

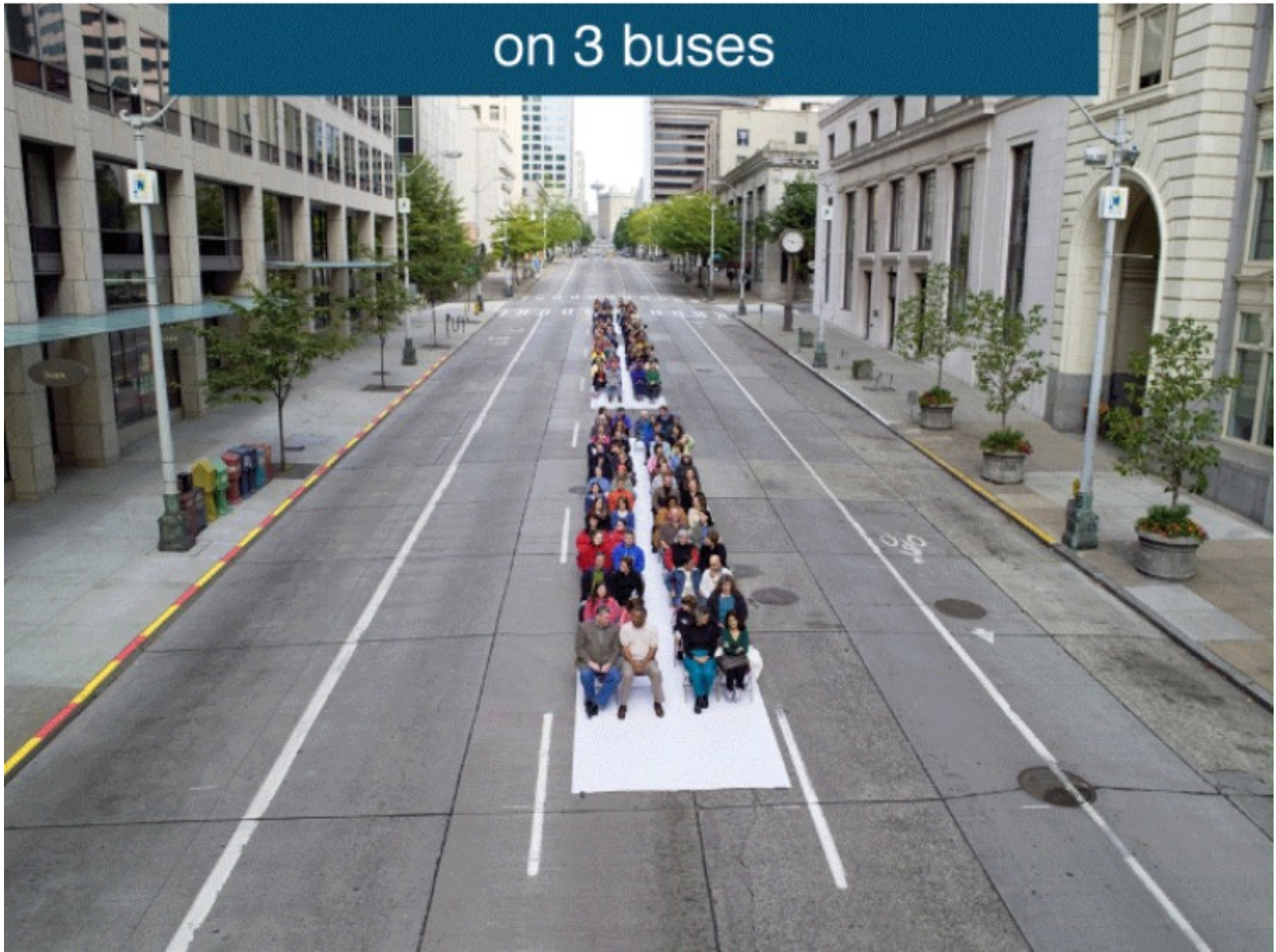


Here are 200 people in 177 cars



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on 3 buses



GO FORWARD
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on 1 light rail train



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Learn more at **GoForwardNC.org**

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