

GO FORWARD
A COMMUNITY INVESTMENT IN TRANSIT

ENGAGEDurham
Our Future Together

DURHAM COUNTY EXISTING CONDITIONS AND PIPELINE PROJECTS

Durham Board of County Commissioners
November 4, 2019

AGENDA

- Durham transit plan update progress
- Current Durham transit system
 - Transit system
 - Peer comparison
 - Riders and travel patterns
 - Challenges
- Pipeline projects

The background is a solid green color with a complex pattern of thin, light green lines and various geometric shapes. These shapes include rectangles, squares, circles, and triangles, some of which are arranged in clusters or along the lines, creating a sense of movement and structure. The overall effect is a modern, abstract design.

--- DURHAM TRANSIT PLAN PROGRESS ---

DURHAM TRANSIT PLAN BACKGROUND



Plan was
developed
in 2011



Voters pass
transit tax
in 2011

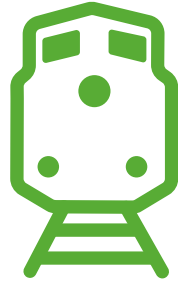


Plan was
updated
in 2017

2017 DURHAM COUNTY TRANSIT PLAN



LIGHT RAIL



**COMMUTER
RAIL**



**BUS
FACILITIES**



BUS SERVICE

Light rail was
discontinued.

Now we need a
new plan.



- A new, adaptive initiative to ensure all Durham voices are involved
- Based on the City's Equitable Community Engagement Blueprint
- Prioritizes racial equity and ensures those who have been historically excluded from decision-making will have a voice
- Coordinates engagement efforts among multiple departments
- Consists of an outreach and communications team tasked with harnessing community involvement

2019 TRANSIT PLAN UPDATE TEAM



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--- CURRENT DURHAM TRANSIT SYSTEM ---

GODURHAM HIGHLIGHTS



- **17 routes serving over 1,000 stops**
- **45 buses and 41 paratransit vehicles used in peak service**
- **23 million miles traveled (FY17)**
Average trip length: 3.6 miles (FY17)
- **Transit service expenses: \$29 million**
 - **City of Durham: \$16 million**
 - **2011 Voter-approved tax: \$3 million**
 - **Fed/state/farebox: \$10 million**

GOTRIANGLE HIGHLIGHTS (DURHAM COUNTY SERVICE)



- **7 routes serving over 100 stops**
- **28 buses and 18 paratransit vehicles used in peak service**
- **7 million miles traveled**
Average trip length: 12 miles
- **Transit service expenses: \$6.5 million**
 - **2011 Voter-approved tax: \$1.5 million**
 - **Fed/state/farebox/other: \$5 million**

DURHAM TRANSIT HIGHLIGHTS

7.2 MILLION
ANNUAL PASSENGER TRIPS

23,800
PER WEEKDAY

BUS
22,900 TRIPS PER WEEKDAY

PARATRANSIT
650 TRIPS PER WEEKDAY

VANPOOL
250 TRIPS PER WEEKDAY

37.5M
IN TRANSIT SERVICE EXPENSES

*Figures are for FY2019 and include Durham County Access, GoDurham and the portions of GoTriangle Services in Durham County. Data source: NTD, GoTriangle.

24%

12%

■ 24% OF GOTRIANGLE RIDERS ALSO USE GODURHAM

■ 12% OF GODURHAM RIDERS ALSO USE GOTRIANGLE

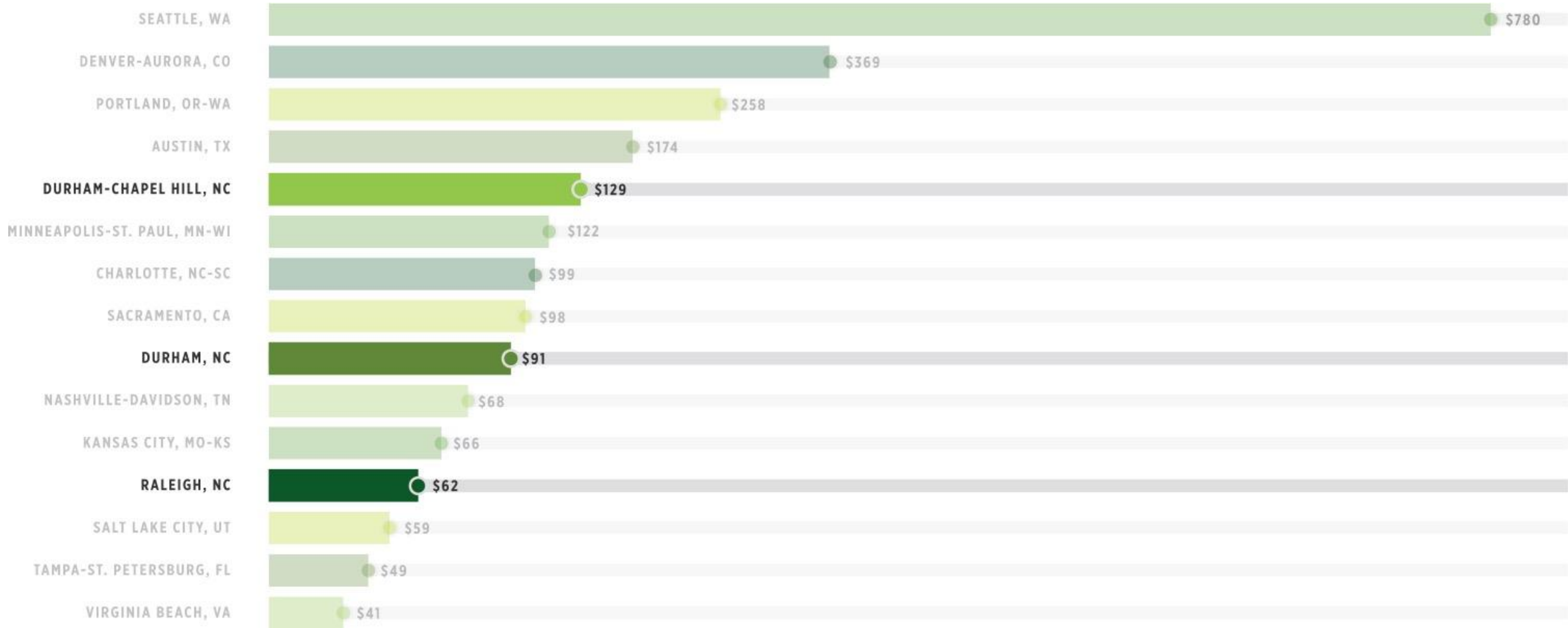
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The background is a solid green color with a complex, abstract pattern of white and light green lines and shapes. These include curved lines resembling roads or paths, straight lines, squares, rectangles, and clusters of small circles. The overall effect is a stylized, map-like or urban-themed pattern.

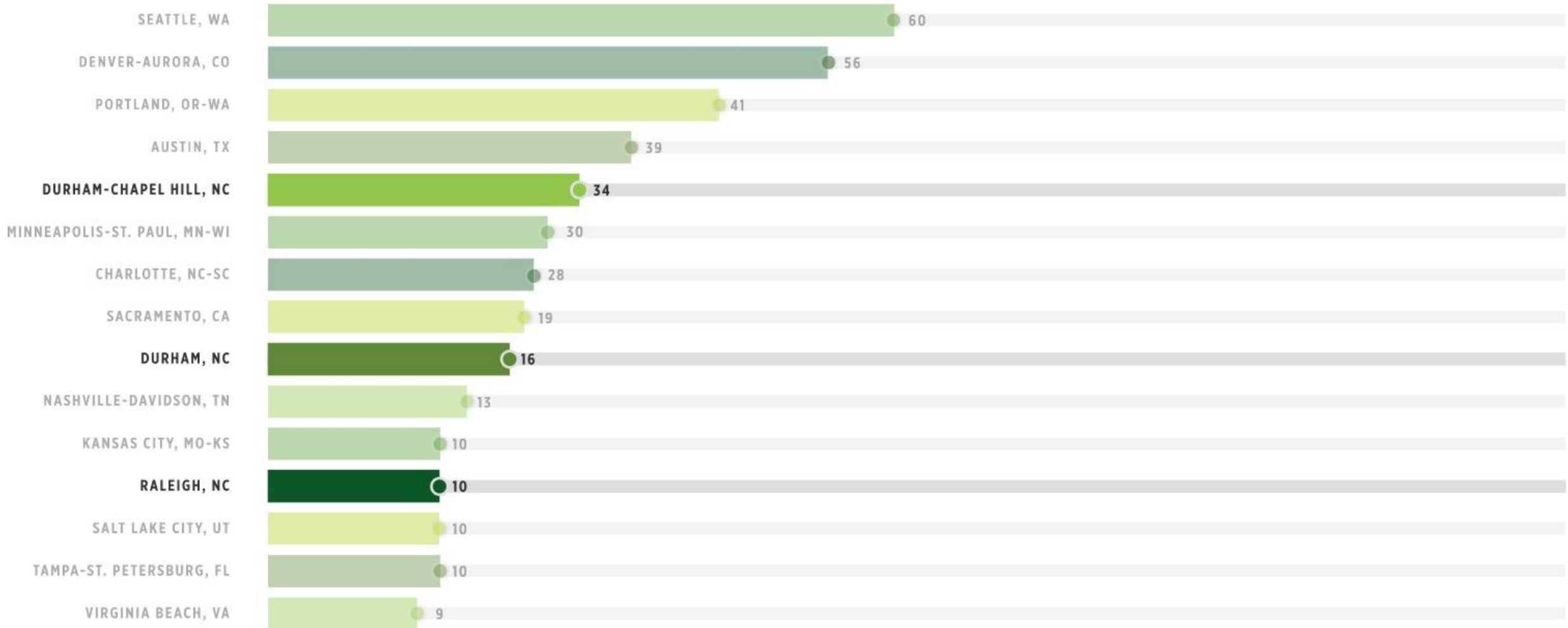
HOW DURHAM COMPARES TO ITS TRANSIT PEERS

(CENSUS URBANIZED AREAS)

LOCAL SPENDING PER URBAN RESIDENT

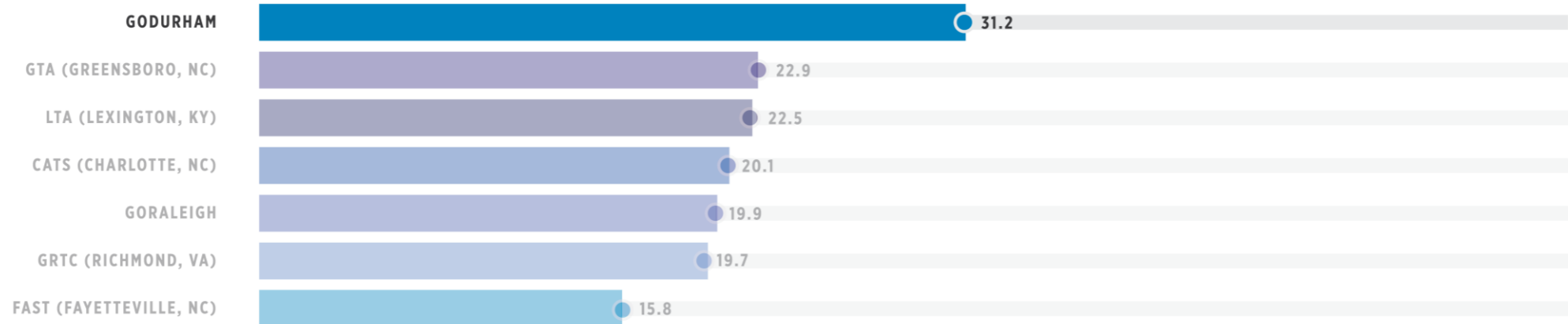


ANNUAL TRANSIT TRIPS PER URBAN RESIDENT



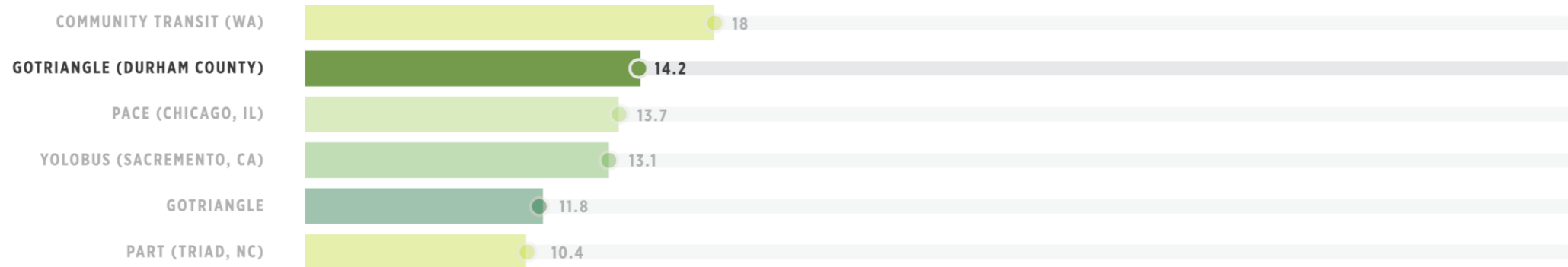
PASSENGERS PER BUS PER HOUR

GODURHAM LOCAL TRANSIT AGENCY PEERS



AVERAGE TRIP LENGTH: 3.6 MILES

GOTRIANGLE REGIONAL TRANSIT AGENCY PEERS

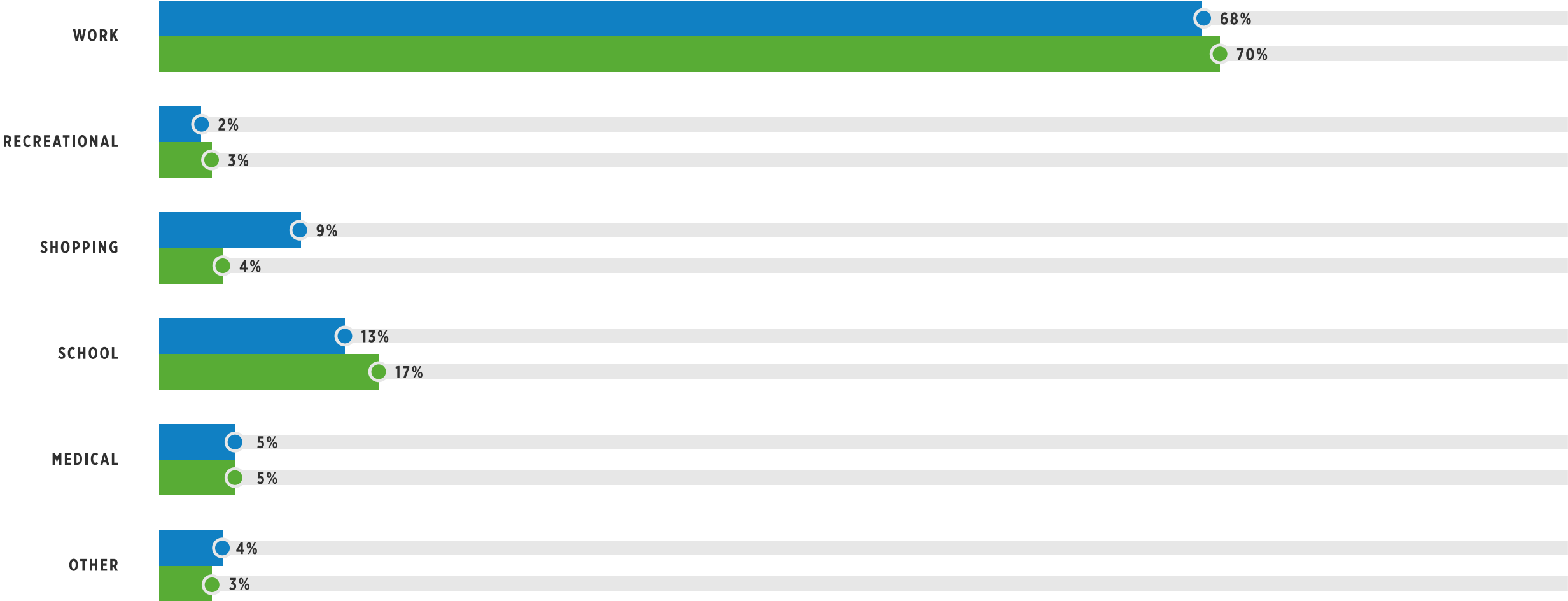


AVERAGE TRIP LENGTH: 12 MILES

The background is a solid green color with a complex, abstract pattern of white and light green lines and shapes. These include curved lines resembling roads or paths, straight lines, squares, rectangles, and clusters of small dots. The overall effect is a stylized, map-like or network-like pattern.

RIDERS AND TRAVEL PATTERNS

HIGHLIGHTS: MAIN TRIP PURPOSE

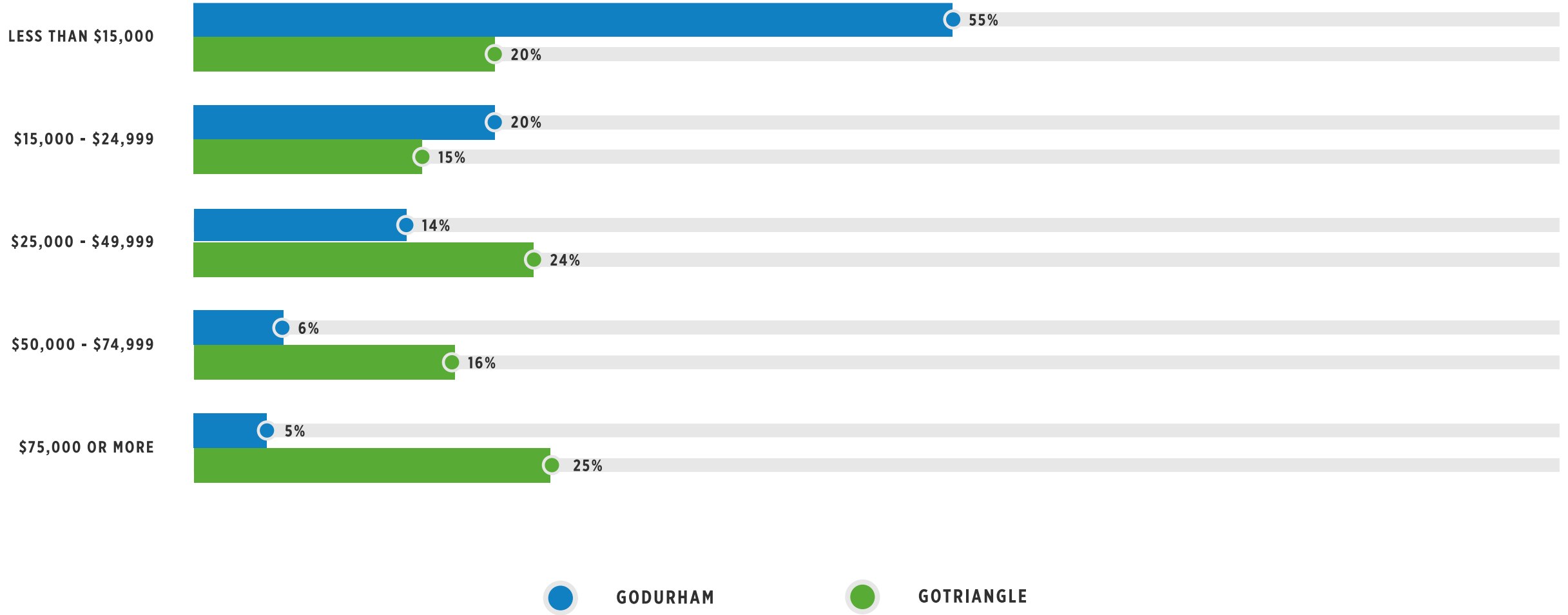


GODURHAM

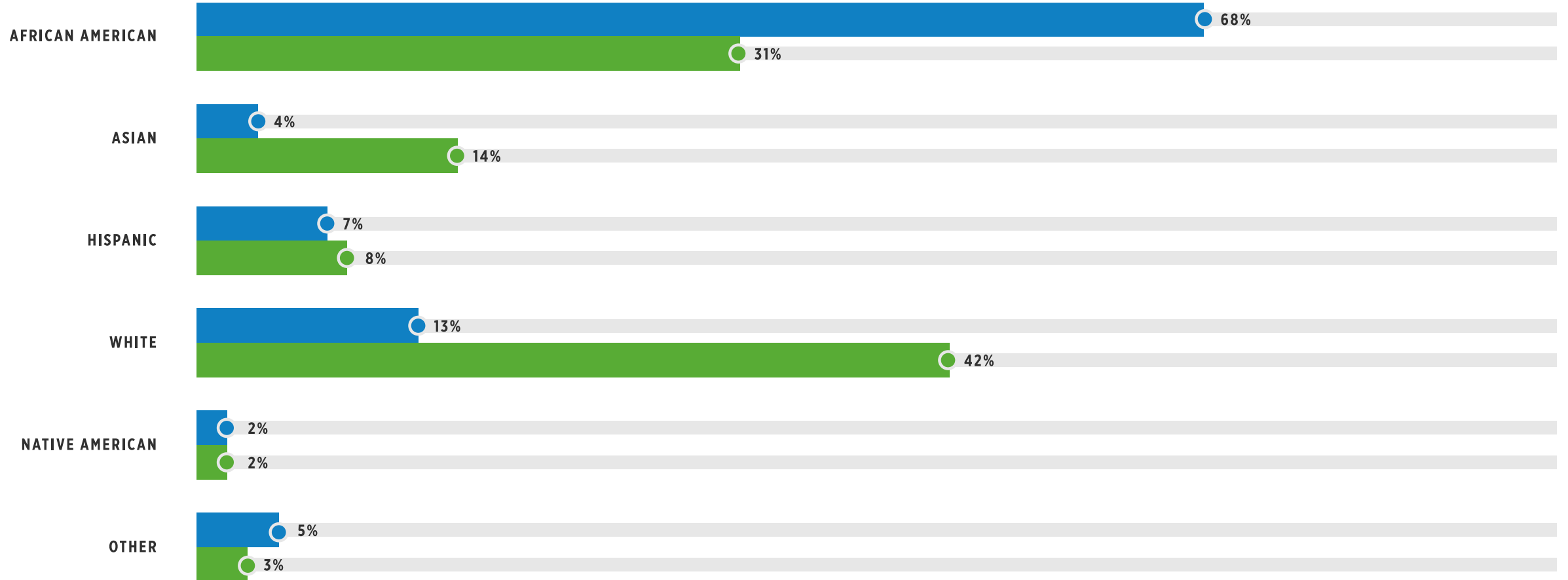


GOTRIANGLE

HIGHLIGHTS: RIDER HOUSEHOLD INCOME



HIGHLIGHTS: RIDER ETHNICITY

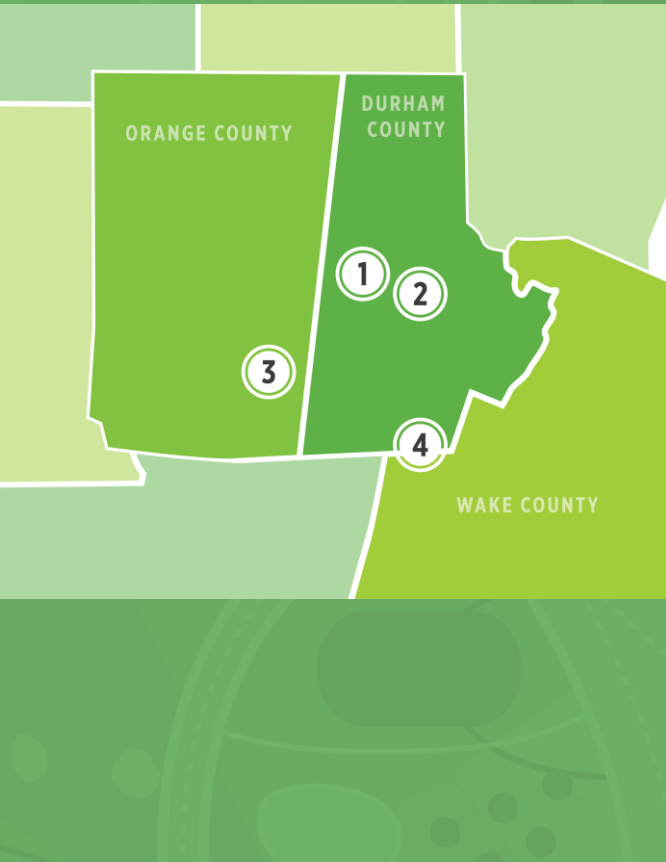


GODURHAM



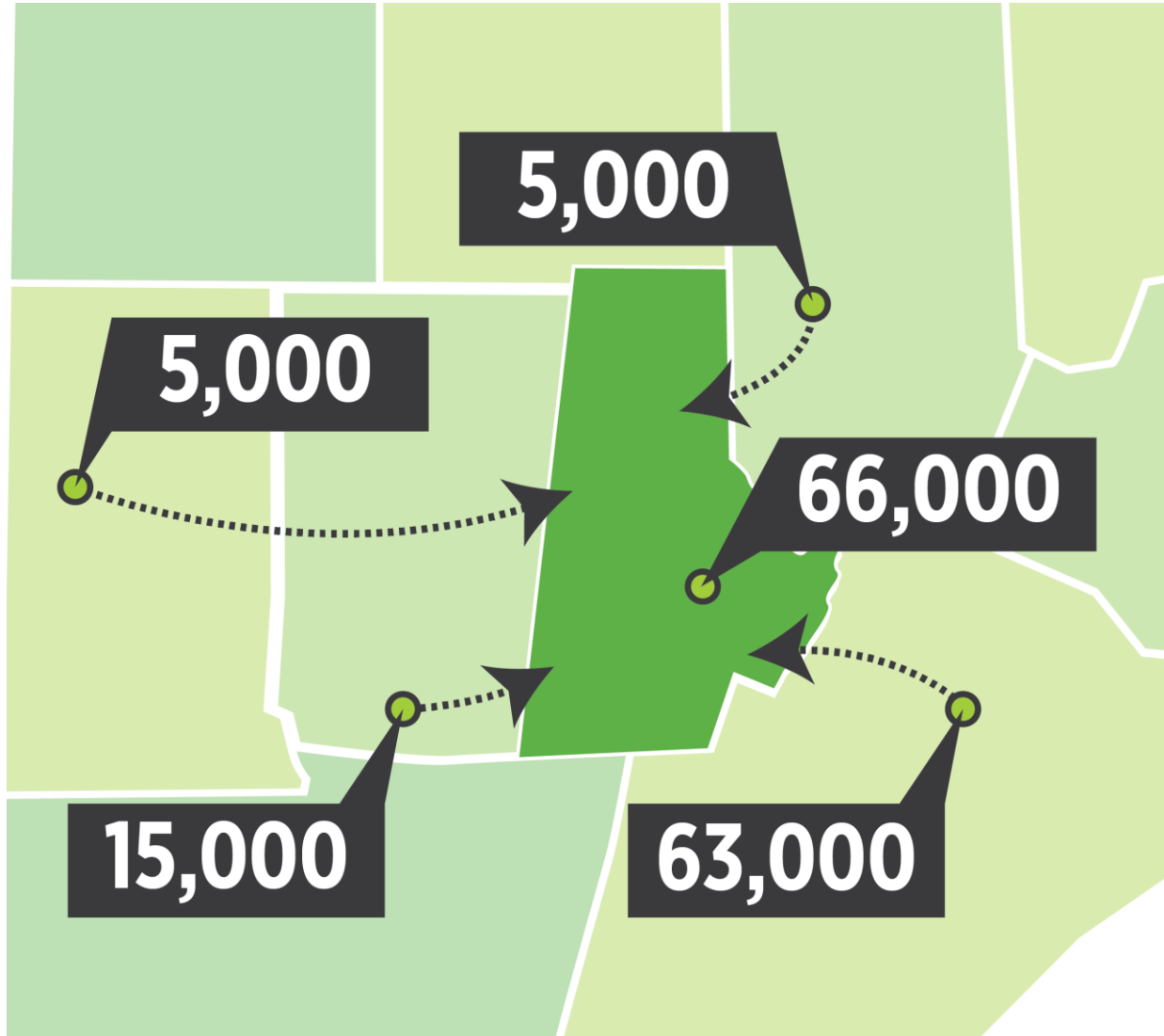
GOTRIANGLE

WHERE PEOPLE WHO LIVE IN DURHAM WORK



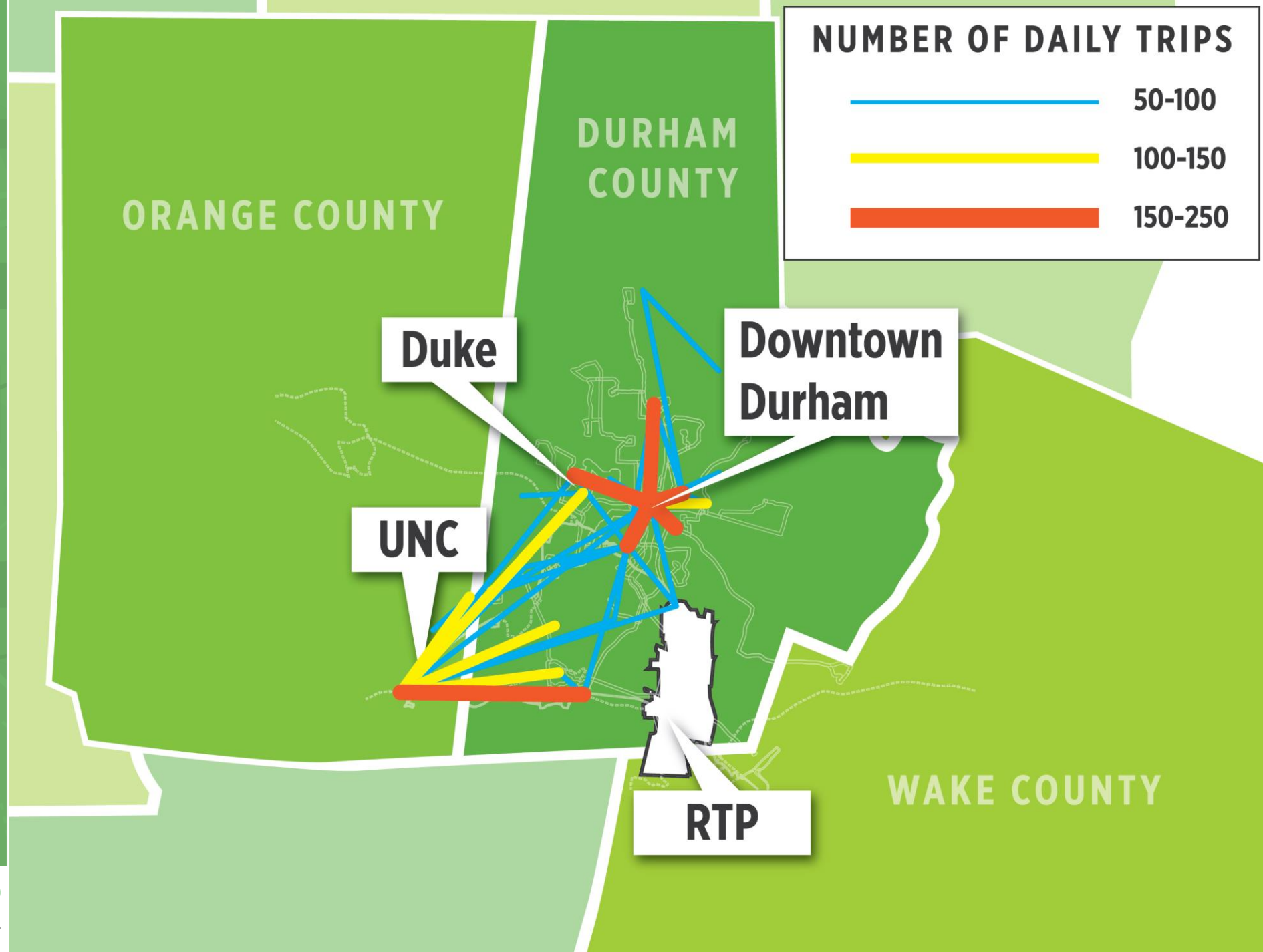
- **140,000 workers live in Durham County**
- **The top 4 places they work are:**
 1. Duke University & VA Medical Center area
 2. Downtown Durham
 3. UNC and the Chapel Hill & Carrboro downtowns
 4. RTP area (Durham/Wake)
- **More Durham residents work in Durham County than any other county:**
 - Between 1/3 and 1/2 of Durham residents work for employers outside of Durham County.
 - Wake County and Orange County are the next two largest employment destinations for Durham residents.
- **Regional connections are growing in importance for Durham workers:**
 - From 2010 to 2017, the number of people who both live and work in Durham County grew 15%, but Durham workers with jobs in other counties grew 25%.

WHERE PEOPLE WHO WORK IN DURHAM LIVE



- 200,000 jobs are located within Durham County
- Regional connections are growing in importance for Durham employers:
 - 25,000 new jobs in Durham County since 2010.
 - Around one-third of jobs in Durham County are held by Durham County residents, a rate that has remained steady since 2010.

PUBLIC TRANSIT TRIPS BETWEEN TRAVEL MARKET AREAS (2014)



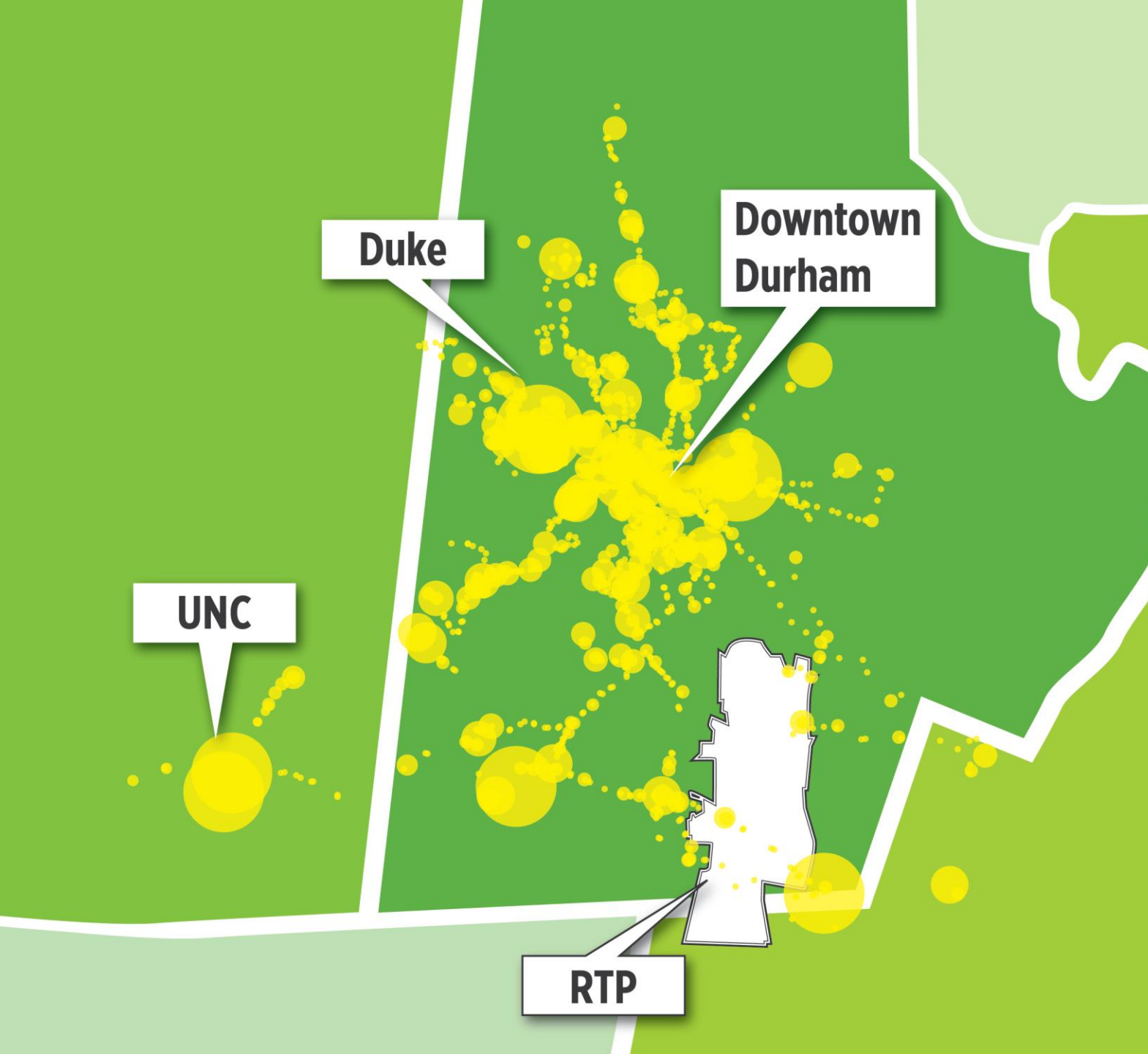
DAILY BUS BOARDINGS

(2018 GOTRIANGLE + GODURHAM)

- DURHAM STATION: 7,700
- DUKE/VA: 1,400
- UNC: 1,200
- RTC: 1,000
- THE VILLAGE: 550
- SOUTHPOINT: 400
- NCCU: 350
- RDU AIRPORT: 100

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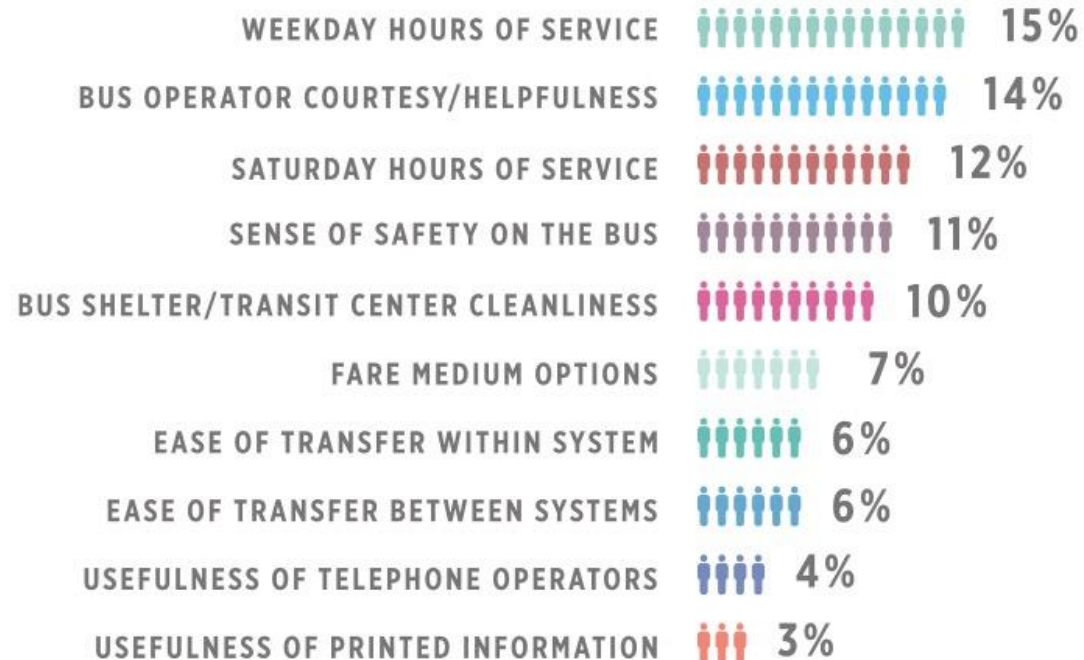
CHALLENGES

RIDERS' TOP PRIORITY: BUSES ON TIME

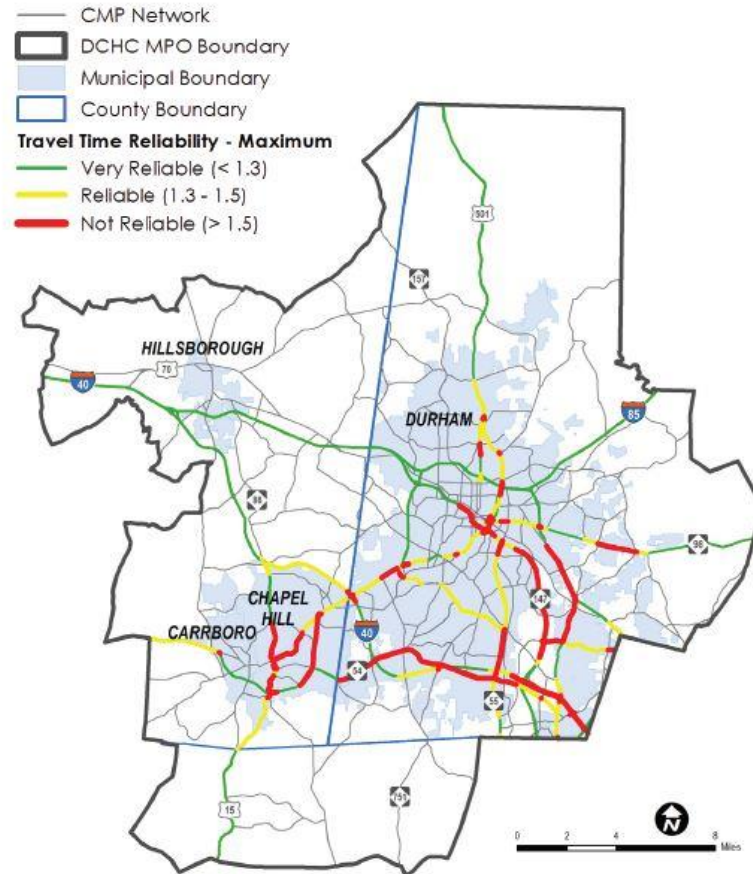
BUSES ON TIME



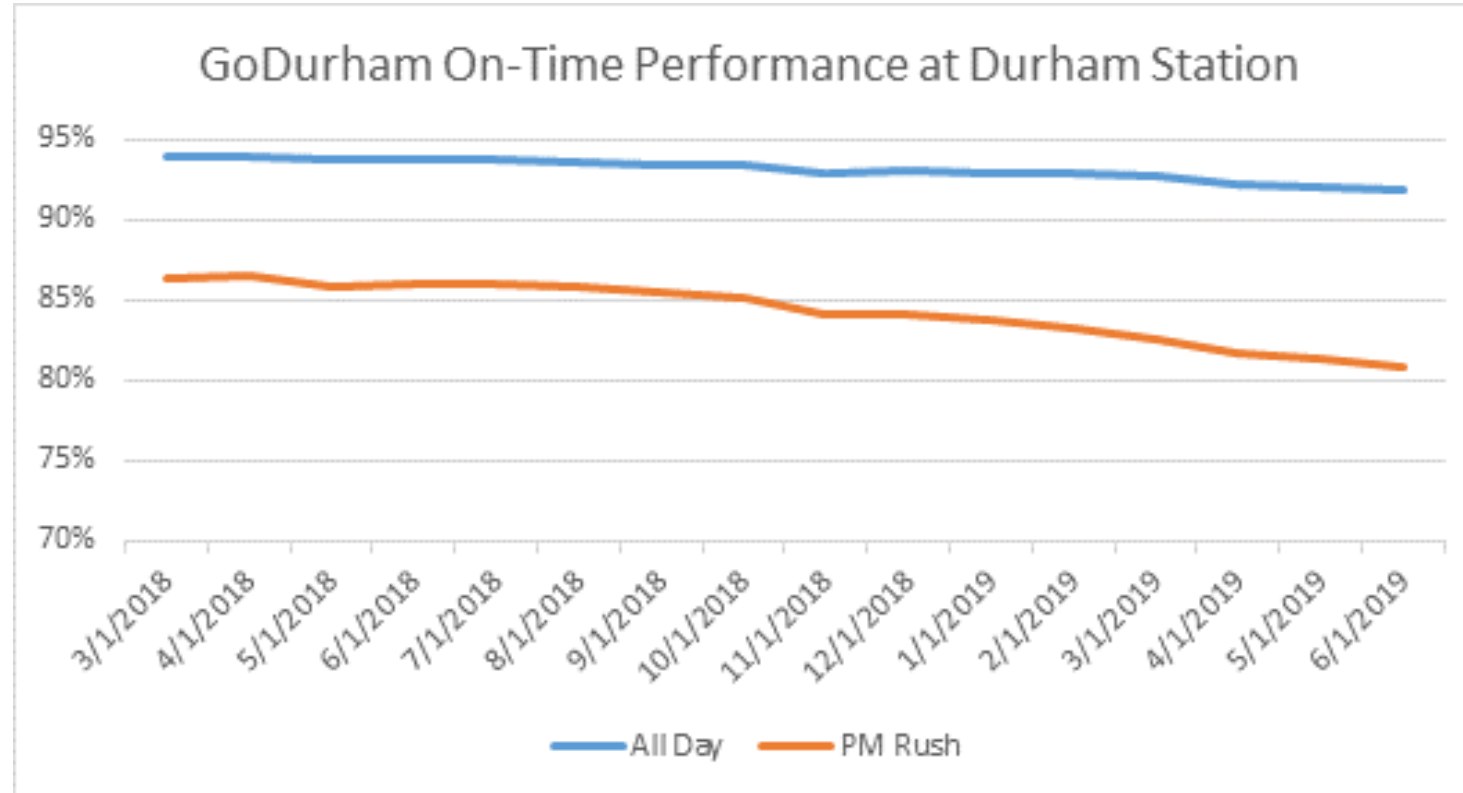
60%



AS CONGESTION GROWS, RELIABILITY DECLINES

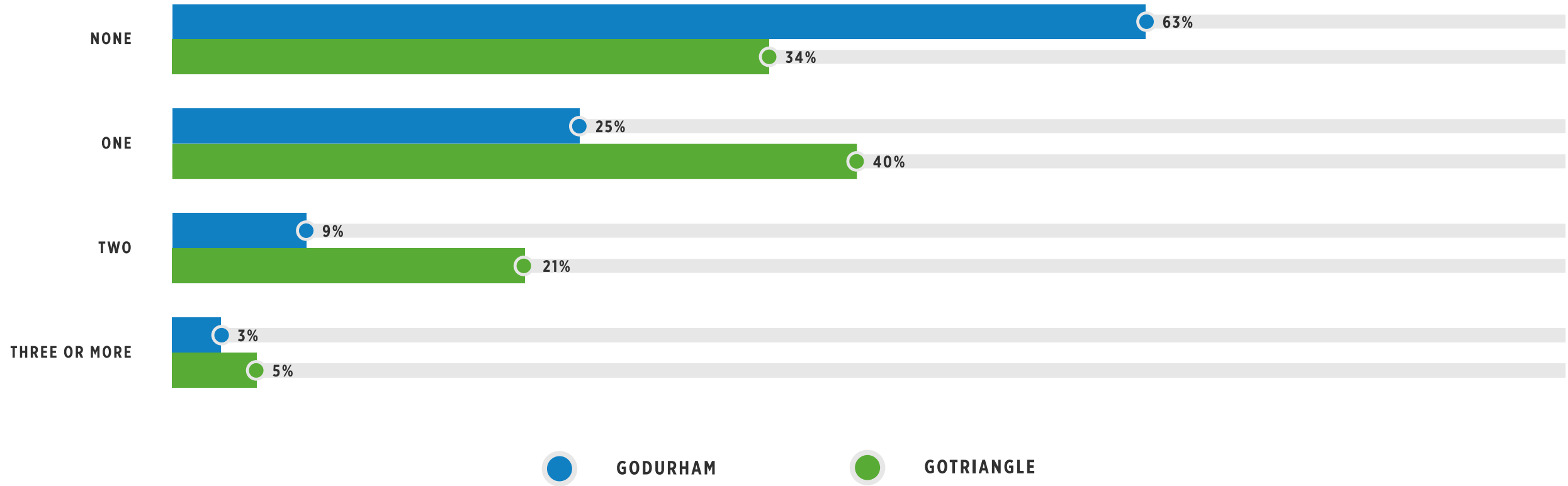


BUS RELIABILITY IS DECREASING

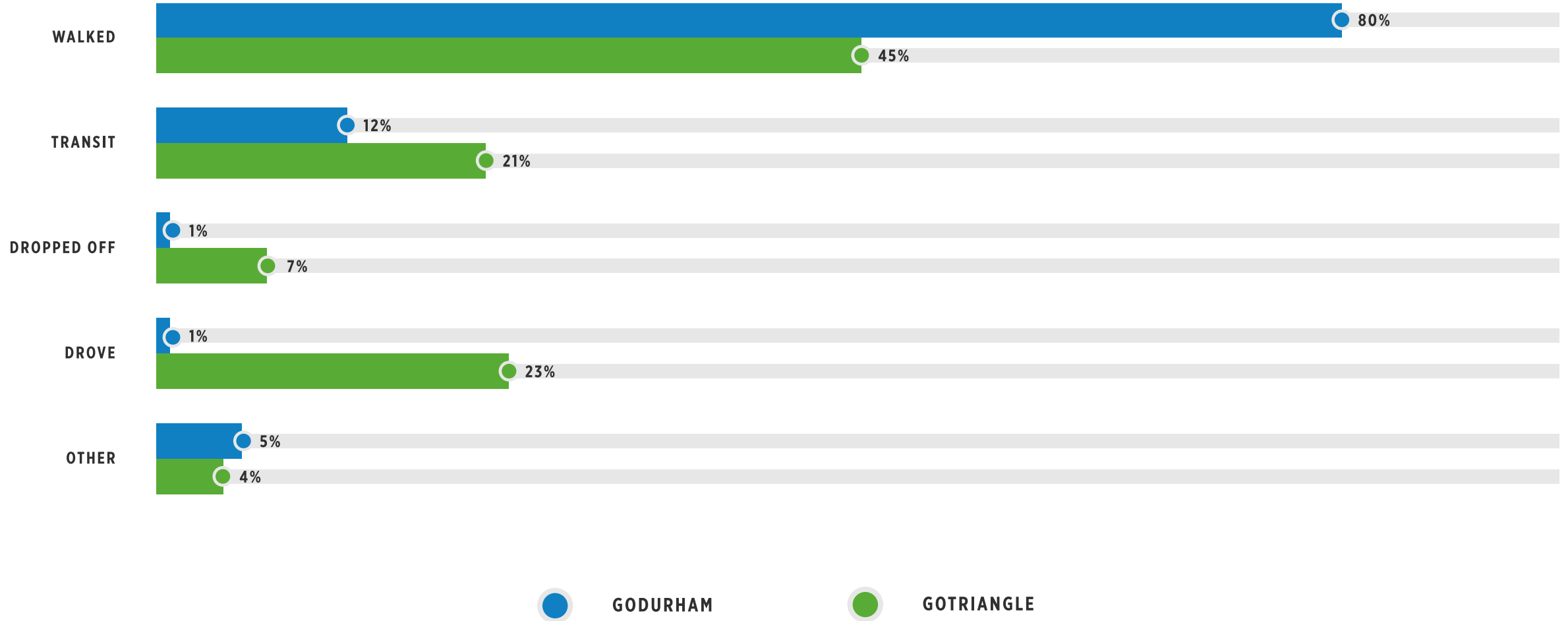


Late and unreliable buses have consequences for bus riders

MOST RIDERS DO NOT HAVE ACCESS TO A CAR



MOST RIDERS WALK TO THE BUS



BUS STOP IMPROVEMENTS

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PIPELINE PROJECTS

- Improvements in progress
- Planning and design
- Programmed NCDOT projects

GODURHAM

JAN 2020 SERVICE UPDATES

○ New 15-minute service

- Route 11 (W. Main)
- Route 2/12 (E. Main)

○ New 30-minute service at night and on Sundays

- Route 2/12 (E. Main)
- Route 3 (Holloway)
- Route 5 (Fayetteville)
- Route 10 (Chapel Hill)
- Route 11 (W. Main)

GODURHAM BUS ROUTES

- EVERY 15 MINUTES
(NEW IN JANUARY 2020)
- EVERY 15 MINUTES
- EVERY 30-60 MINUTES

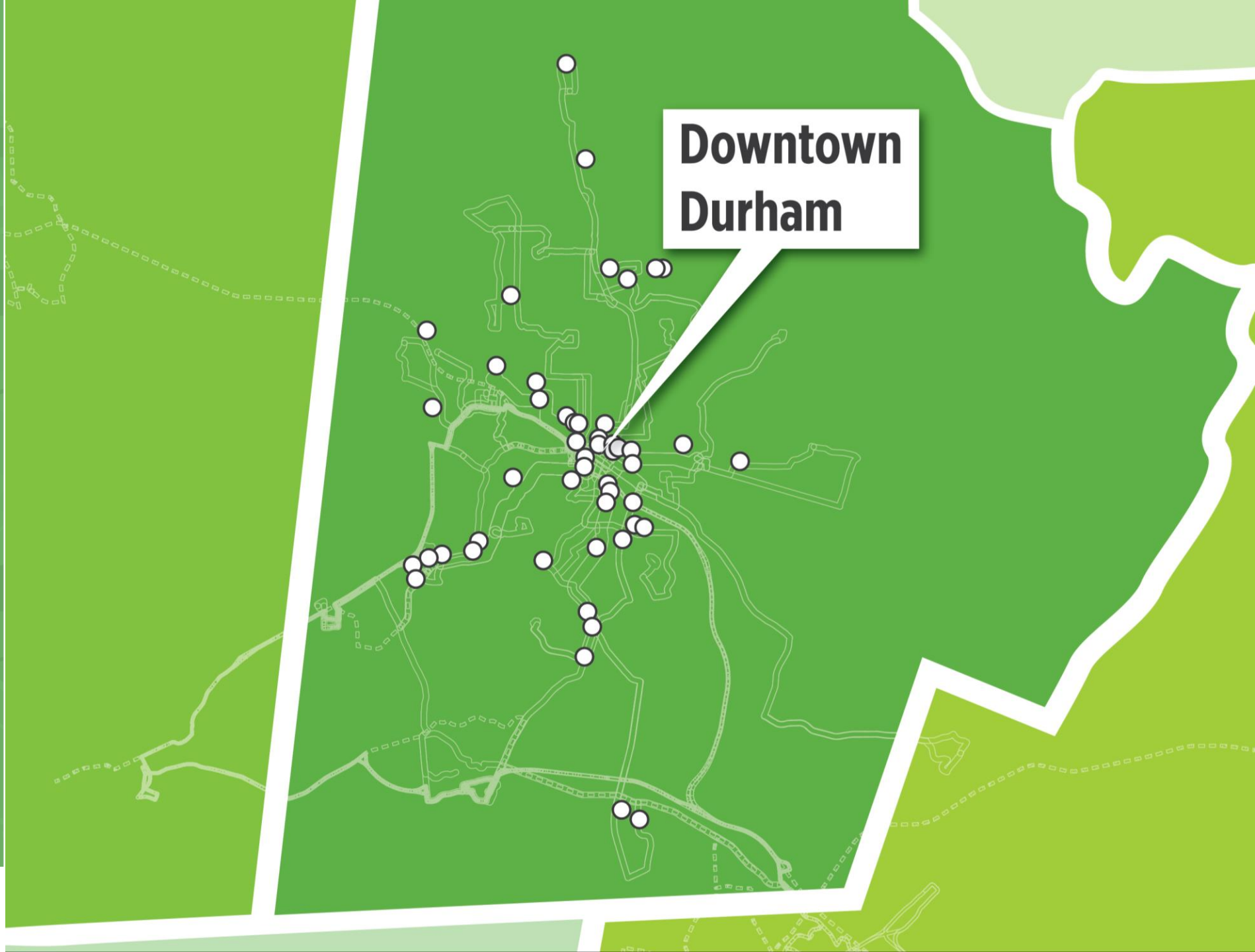
GOTRIANGLE BUS ROUTES

- EVERY 30 MINUTES
- RUSH HOUR ONLY

**Downtown
Durham**

BUS STOP IMPROVEMENTS

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TRANSIT PROJECTS IN DESIGN

Major stop improvements:

- The Village
- Patterson Place
- Southpoint

Transit emphasis corridors:

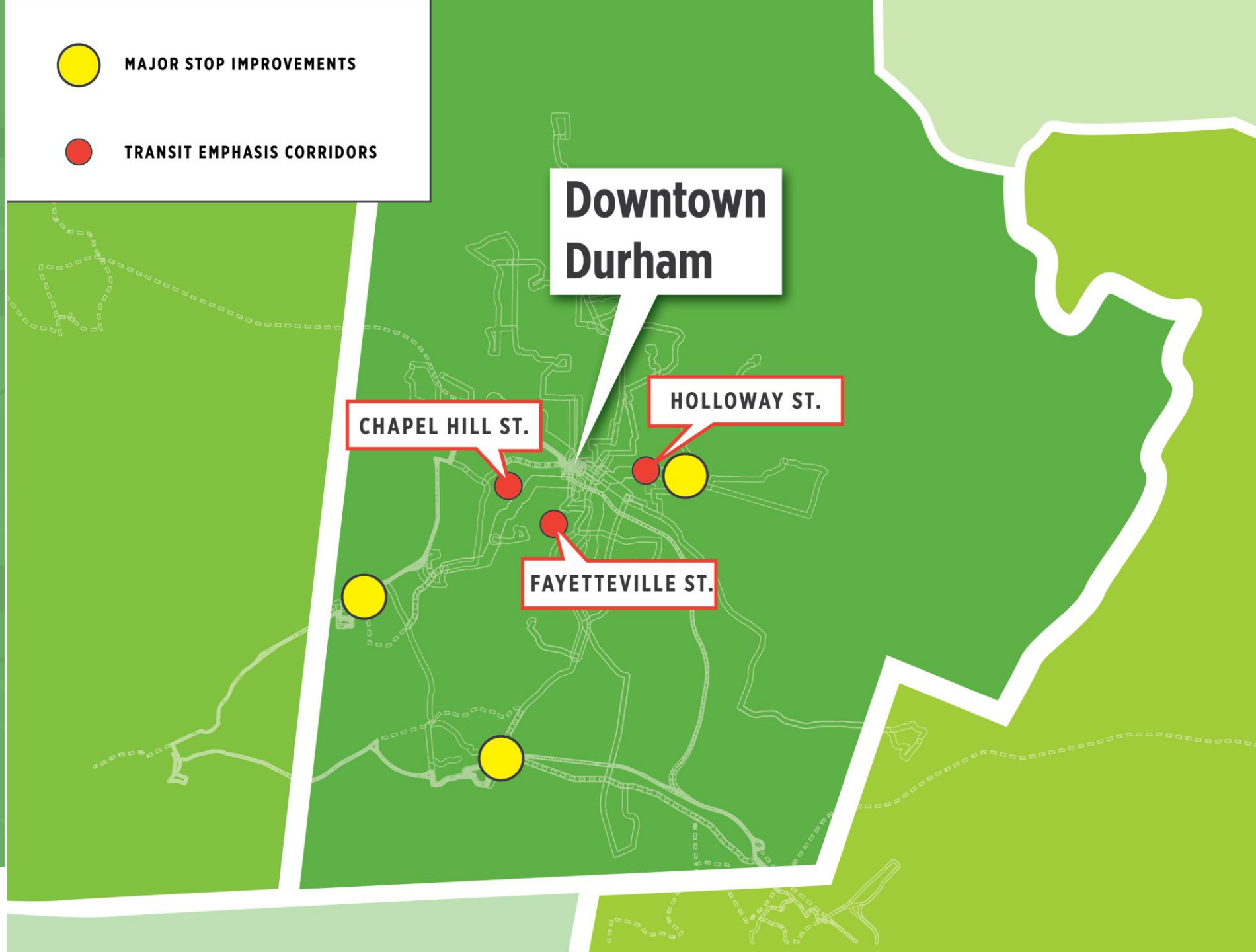
- Holloway Street
- Chapel Hill Street
- Fayetteville Street



MAJOR STOP IMPROVEMENTS



TRANSIT EMPHASIS CORRIDORS



**Downtown
Durham**

CHAPEL HILL ST.

HOLLOWAY ST.

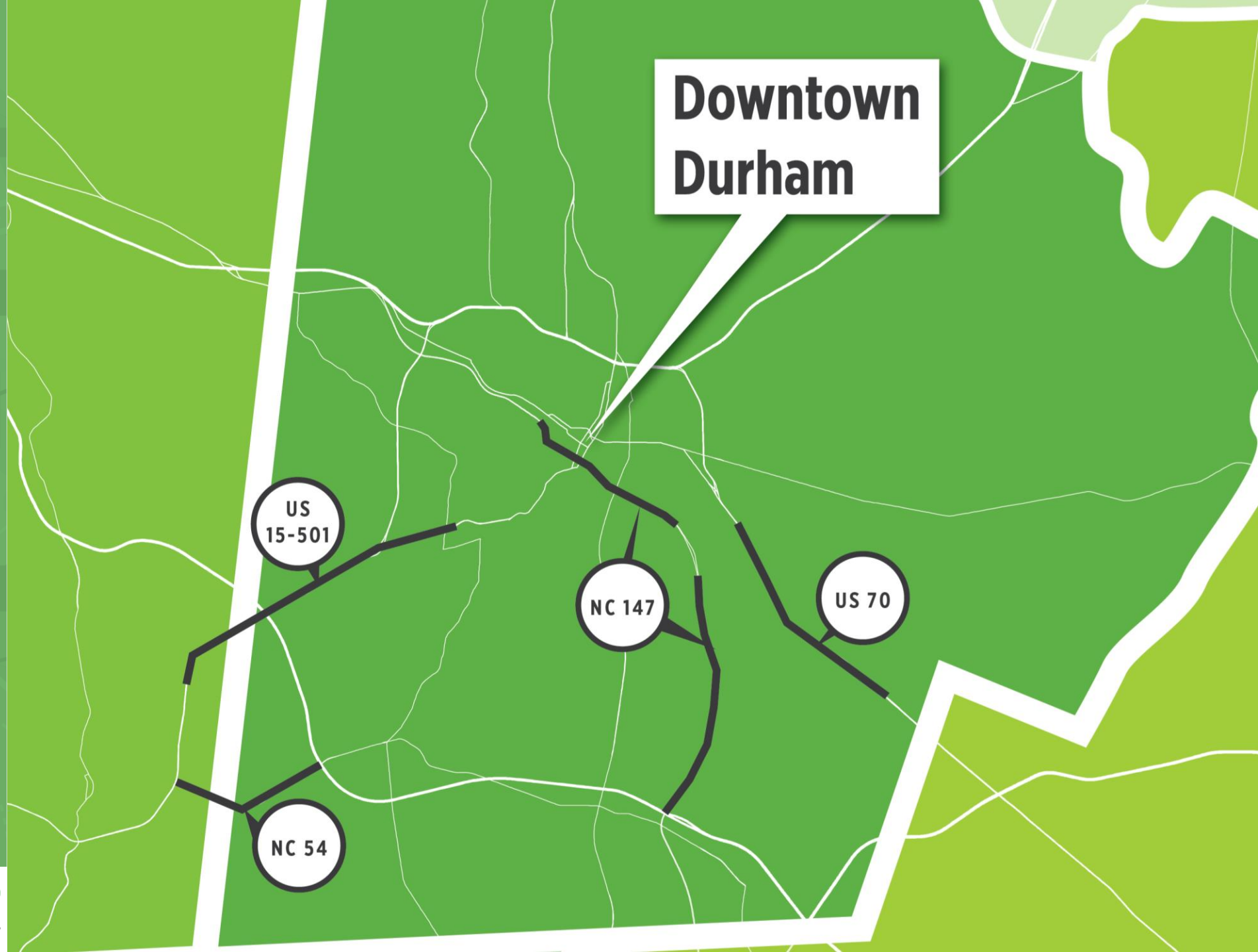
FAYETTEVILLE ST.

TRANSIT PLANNING STUDIES

- Regional Transit Center relocation feasibility study
- Bus operations and maintenance facility assessment
- Greater Triangle commuter rail study



NCDOT PROJECTS WITH TRANSIT CONSIDERATIONS



NEXT STEPS

- **Presentations**
 - **Board of County Commissioners: Nov 4**
 - **DCHC MPO Board: Nov. 13**
 - **GoTriangle Board: Nov. 20**
 - **Durham City Council: Dec. 5**
- **Community engagement:**
 - **Engage Durham listening and learning sessions: Nov. 14-19**
 - **Share draft Transit Plan goals in early 2020**



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Questions