Network Concepts

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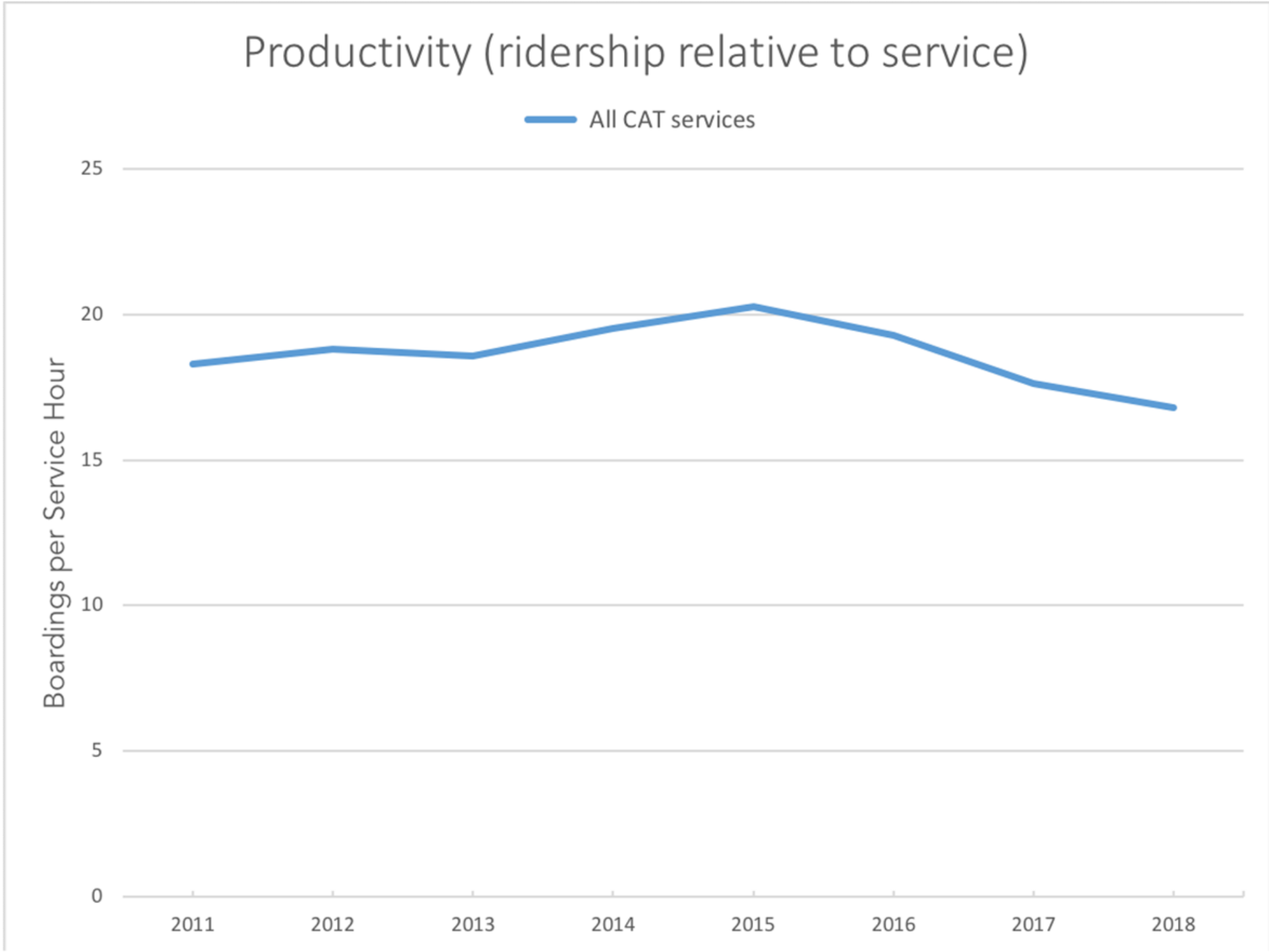

Productivity (ridership relative to service)
All CAT services
Boardings per Service Hour
25
20
15
10
5
0
2011
2012
2013
2014
2015
2016
2017
2018

If high ridership is what you want, then you should follow…

The “Ridership Recipe”

Frequent, long-span service …

Following patterns of …

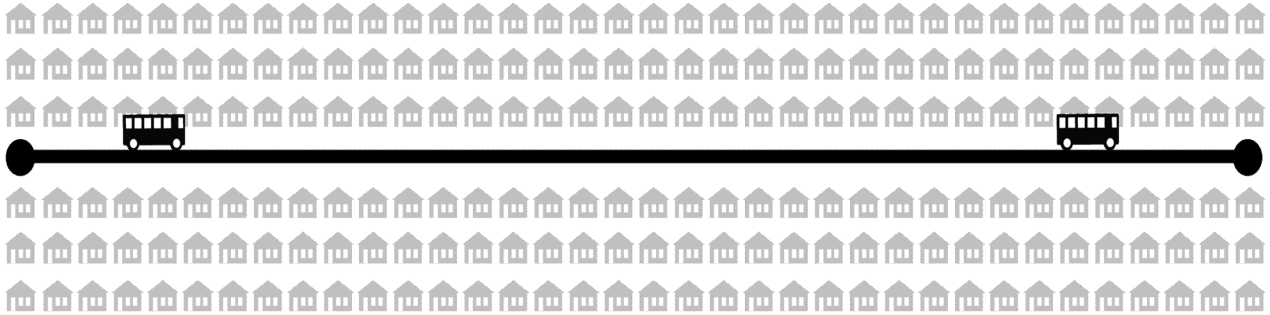
- Density
- Walkability
- Linearity
- Continuity

…and forming a connected network.

Density

How many people are going to and from the area around each stop?

Higher Ridership

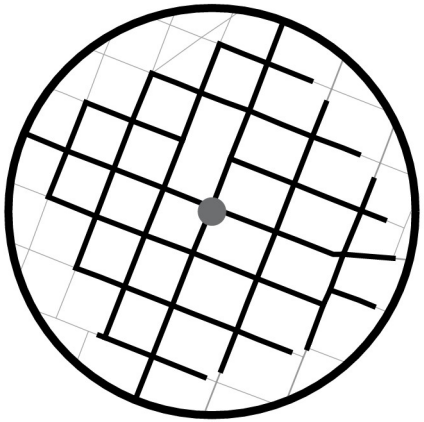


Lower Ridership

Walkability

Can the people around the stop walk to the stop?

Higher Ridership



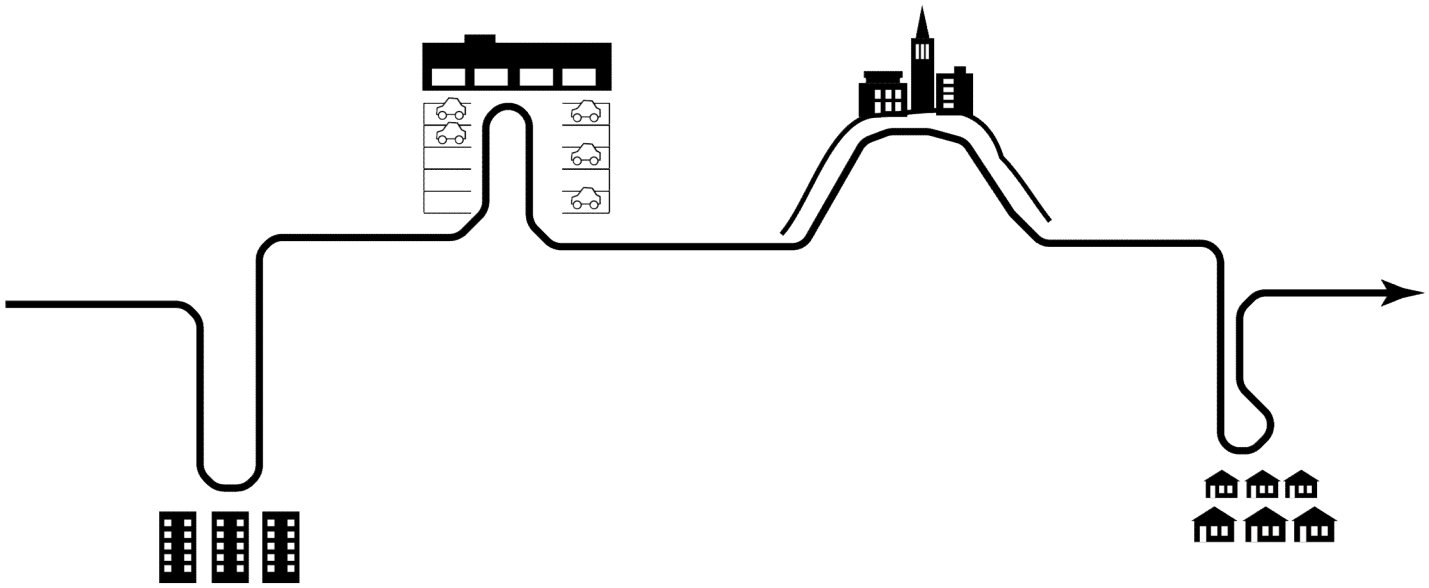
Lower Ridership

Linearity

Can transit run in straight lines that attract through-riders?

Higher Ridership

Lower Ridership

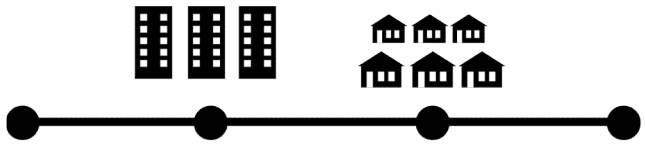


Proximity

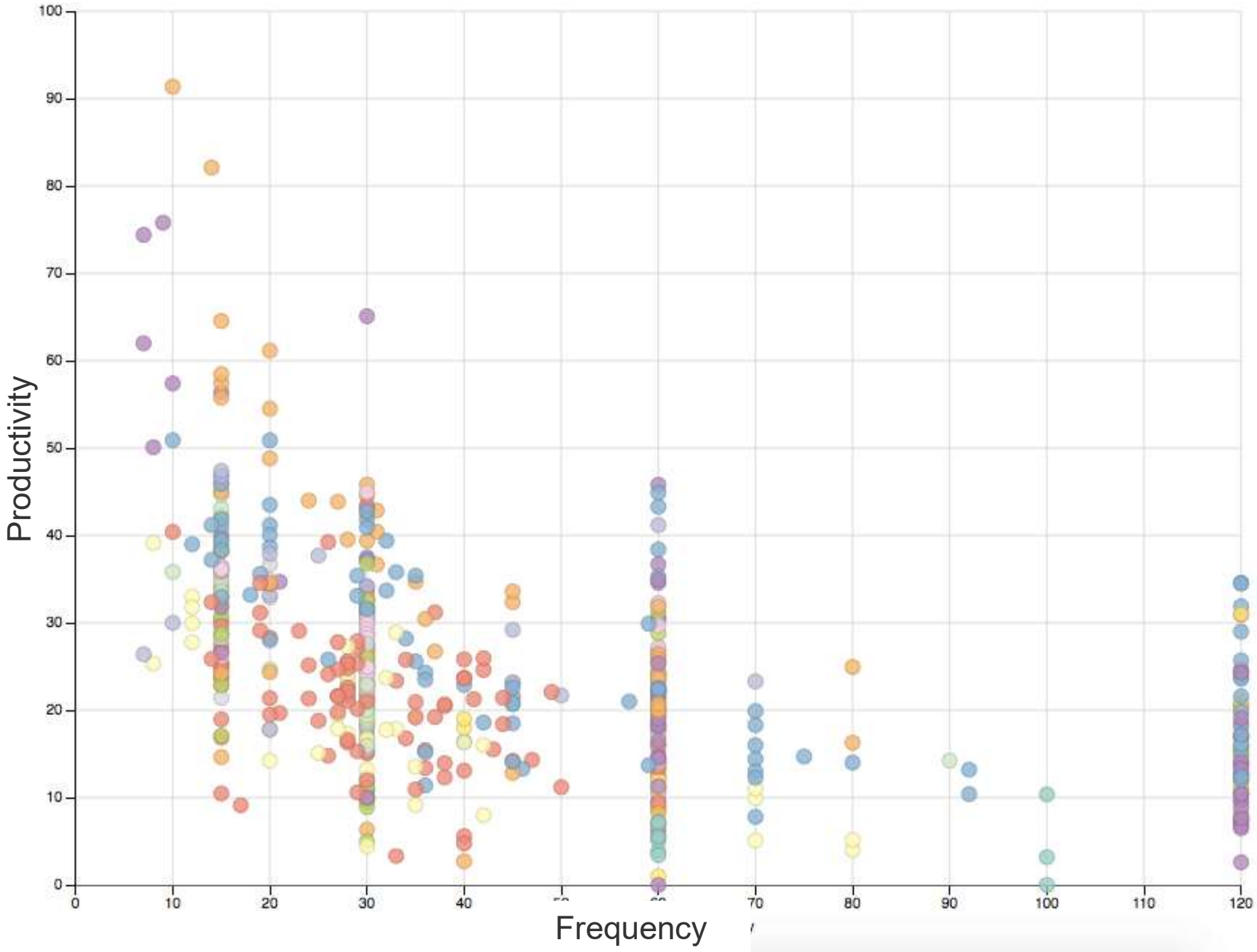
or, Continuity

Does transit have to cross long low-ridership gaps?

Lower cost



Higher cost


Productivity
Frequency
0
10
20
30
40
70
80
90
100
110
120
0
10
20
30
40
50
60
70
80
90
100

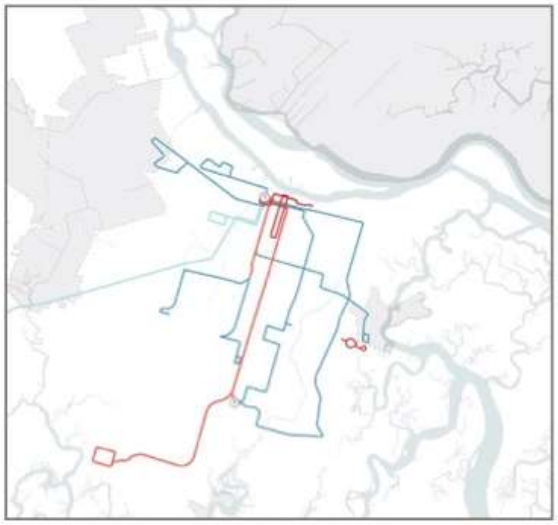
Low frequency is hard to imagine if you don't use transit much.

- Elevators?
- Traffic signals?

A gate at the end of your driveway that opens only once an hour???

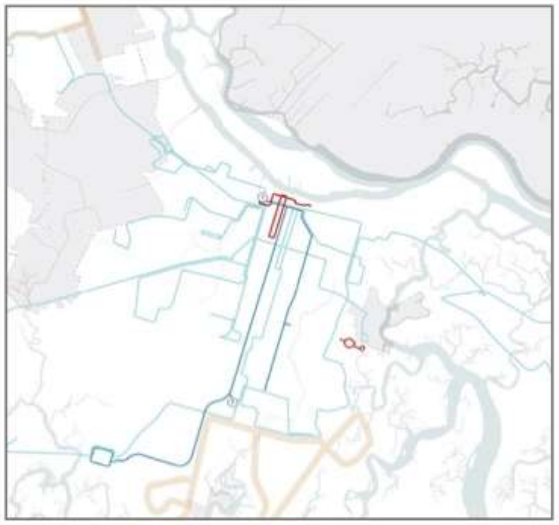
High Frequency, High Ridership Concept

90%–10%



High Coverage Concept

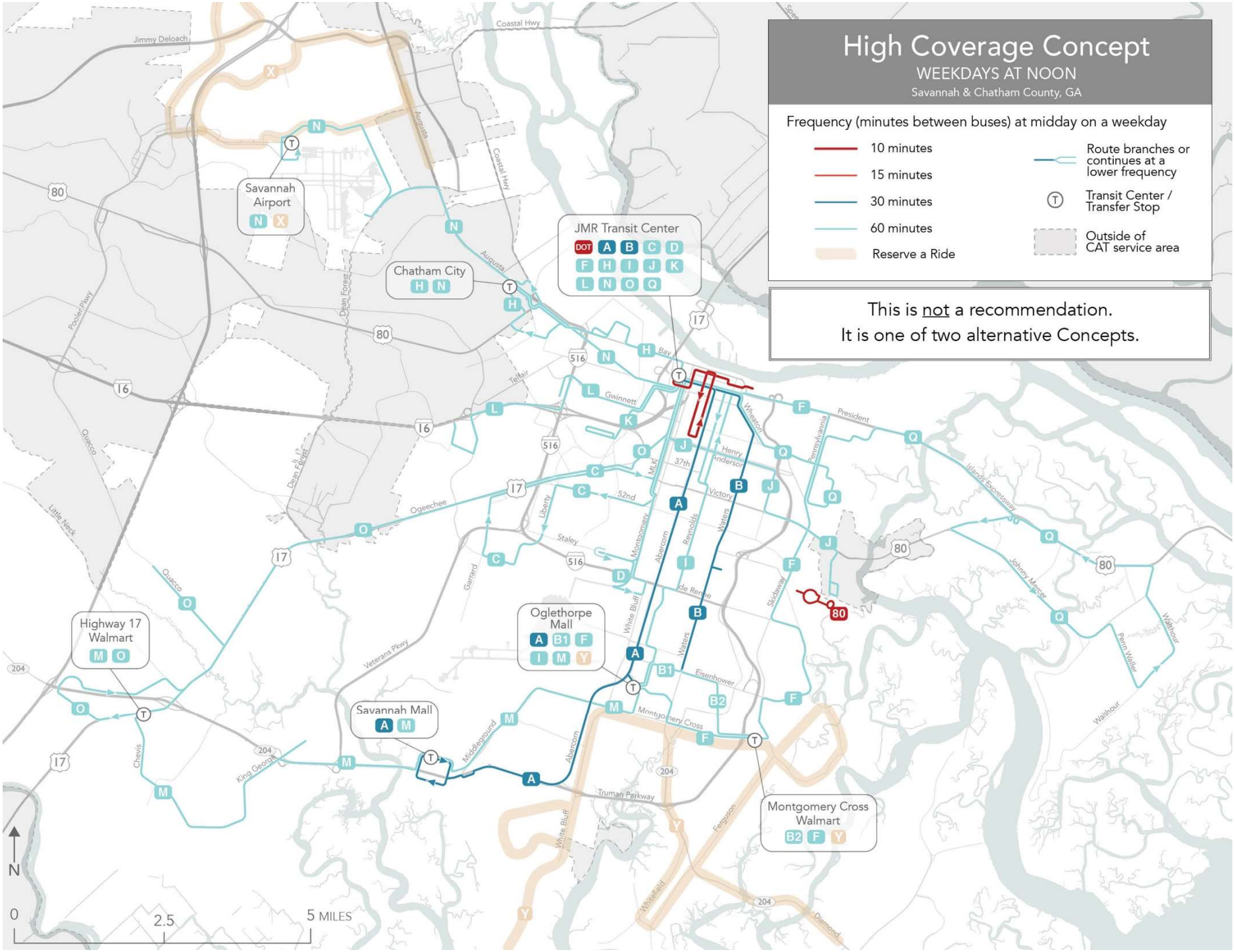
50%–50%

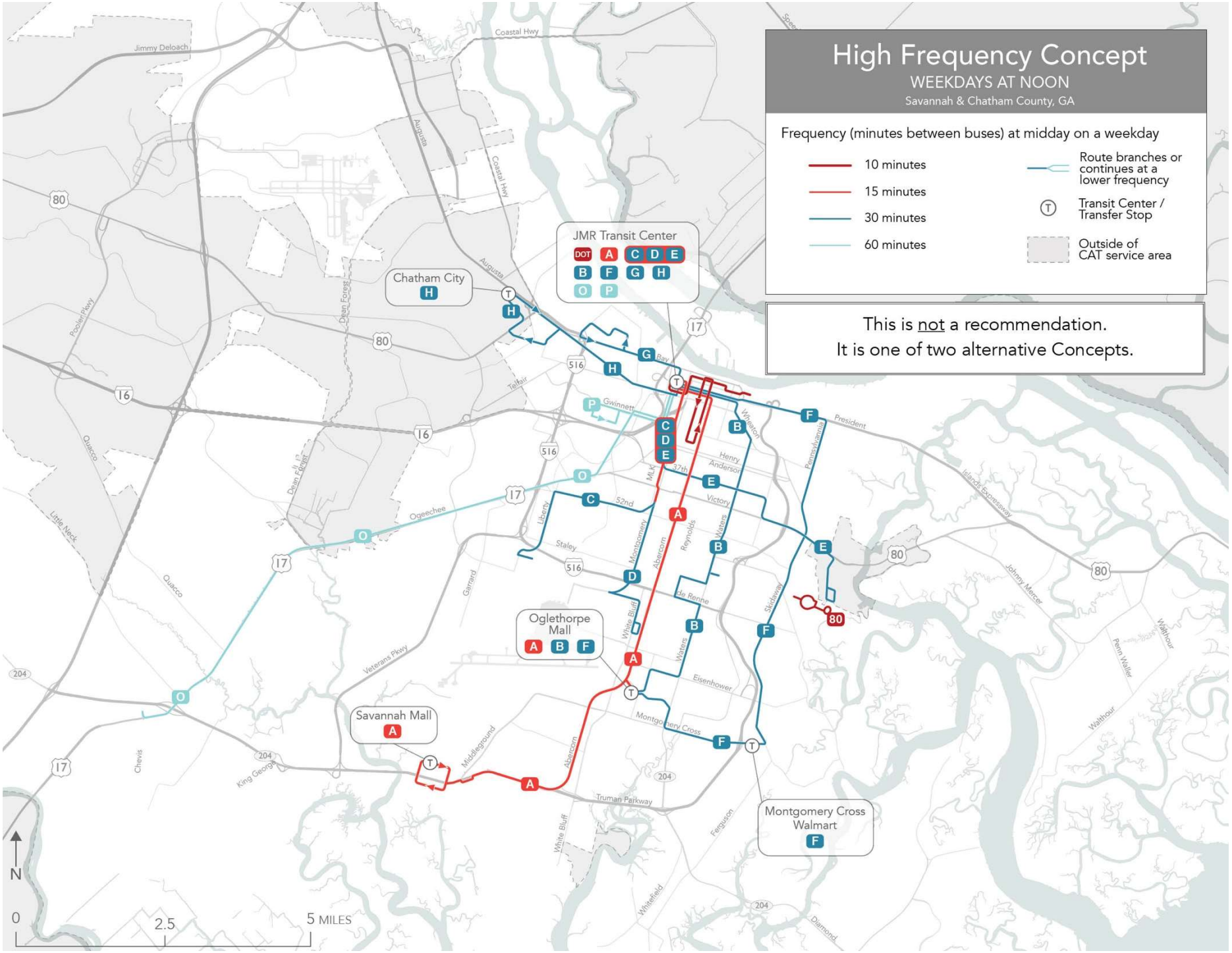


90% spent on high-ridership service, 10% on coverage

50% spent on high-ridership service, 50% on coverage

Where should CAT be, on this spectrum?


High Coverage Concept
WEEKDAYS AT NOON
Savannah & Chatham County, GA
Frequency (minutes between buses) at midday on a weekday
10 minutes
15 minutes
30 minutes
60 minutes
Reserve a Ride
Route branches or continues at a lower frequency
Transit Center / Transfer Stop
Outside of CAT service area
This is not a recommendation.
It is one of two alternative Concepts.
Savannah Airport
Chatham City
JMR Transit Center
Highway 17 Walmart
Oglethorpe Mall
Savannah Mall
Montgomery Cross Walmart
Coastal Hwy
Jimmy Deloach
Augusta
Dean Forest
Pooler Pkwy
Quacco
Little Neck
Ogeechee
Veterans Pkwy
Chevis
King George
Middleground
Abercorn
Truman Parkway
White Bluff
Ferguson
Whitefield
Diamond
Montgomery Cross
Eisenhower
Waters
Reynolds
Montgomery
Liberty
Staley
Garrard
52nd
37th
MLK
Victory
Henry Anderson
Wheaton
Pennsylvania
President
Islands Expressway
Johnny Mercer
Penn Waller
Wilmington
Bay
Telfair
Gwinnett
Skidway
de Renne
N
0
2.5
5 MILES


High Frequency Concept
WEEKDAYS AT NOON
Savannah & Chatham County, GA
Frequency (minutes between buses) at midday on a weekday
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15 minutes
30 minutes
60 minutes
Route branches or continues at a lower frequency
Transit Center / Transfer Stop
Outside of CAT service area
This is not a recommendation.
It is one of two alternative Concepts.
JMR Transit Center
DOT A C D E B F G H O P
Chatham City
H
Oglethorpe Mall
A B F
Savannah Mall
A
Montgomery Cross Walmart
F
Coastal Hwy
Jimmy Deloach
Augusta
Dean Forest
Poolers Pkwy
Quacco
Little Neck
Ogeechee
Telfair
Gwinnett
Bay
Wheaton
President
Pennsylvania
Islands Expressway
Henry Anderson
MLK
37th
Victory
52nd
Liberty
Staley
Montgomery
Abercorn
Reynolds
Waters
Sladeway
de Renne
White Bluff
Garrard
Veterans Pkwy
Eisenhower
Montgomery Cross
Middleground
King George
Chevis
Truman Parkway
Ferguson
Whitefield
Diamond
Johnny Mercer
Penn Waller
Walthour
N
0
2.5
5 MILES

Choices Webinar

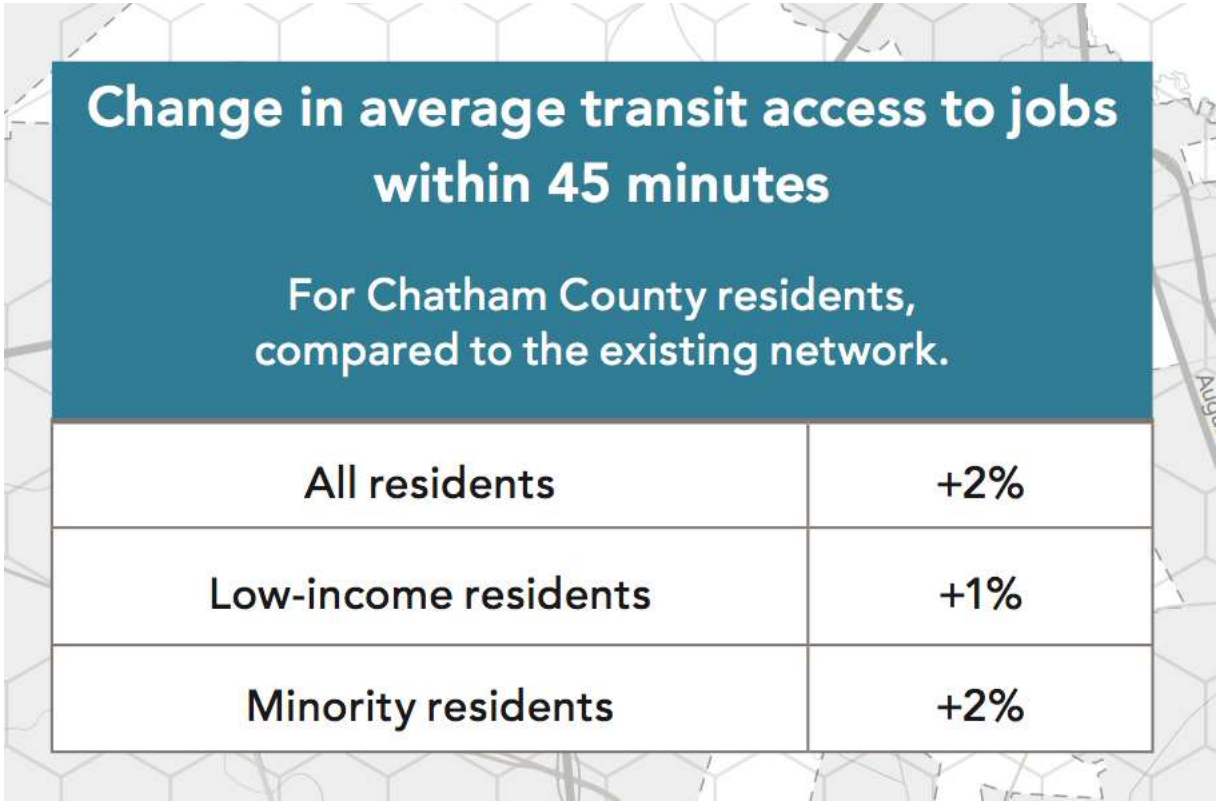
(From Wednesday, January 23, 2019)

SUMMARY OF PUBLIC INPUT ON CHOICES

NETWORK CONCEPTS REPORT – SMALLER FILE

NETWORK CONCEPTS REPORT – PRINT QUALITY

High Coverage Concept
Change in Access to Jobs

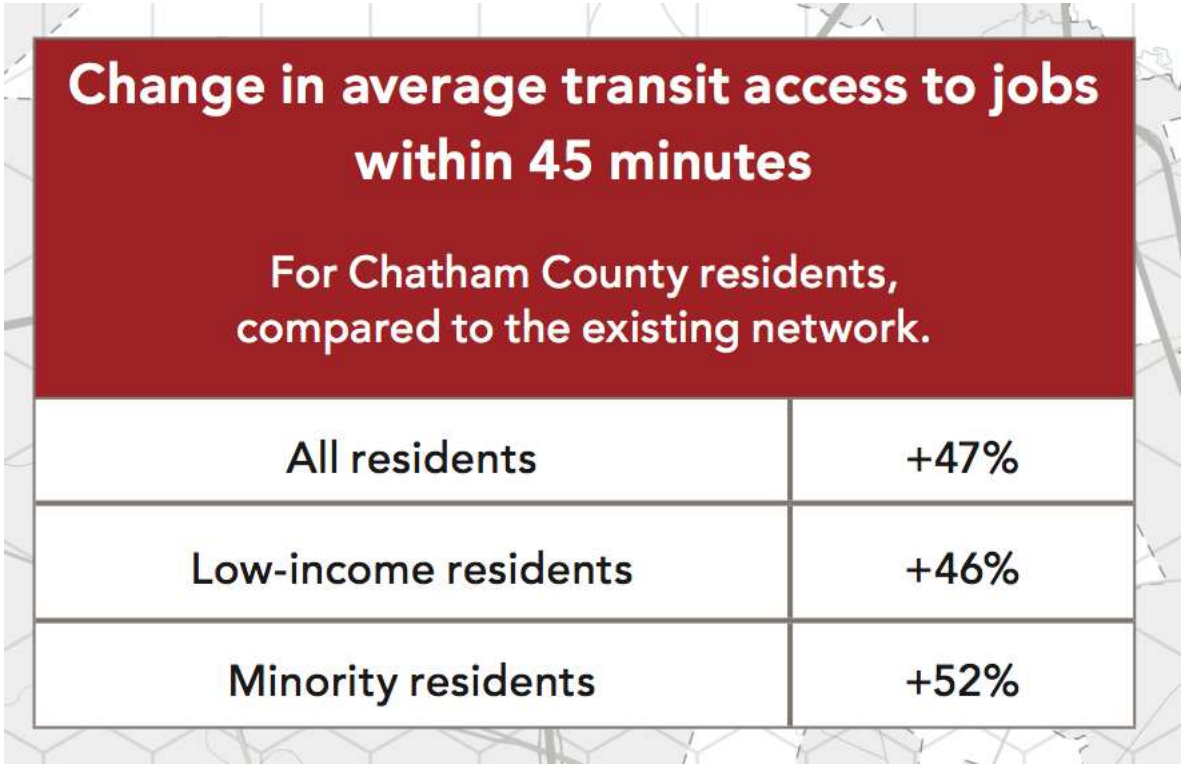


Change in average transit access to jobs within 45 minutes

For Chatham County residents, compared to the existing network.

All residents	+2%
Low-income residents	+1%
Minority residents	+2%

High Ridership (High Frequency) Concept
Change in Access to Jobs



Change in average transit access to jobs within 45 minutes

For Chatham County residents, compared to the existing network.

All residents	+47%
Low-income residents	+46%
Minority residents	+52%

Questions and comments?

What's next?

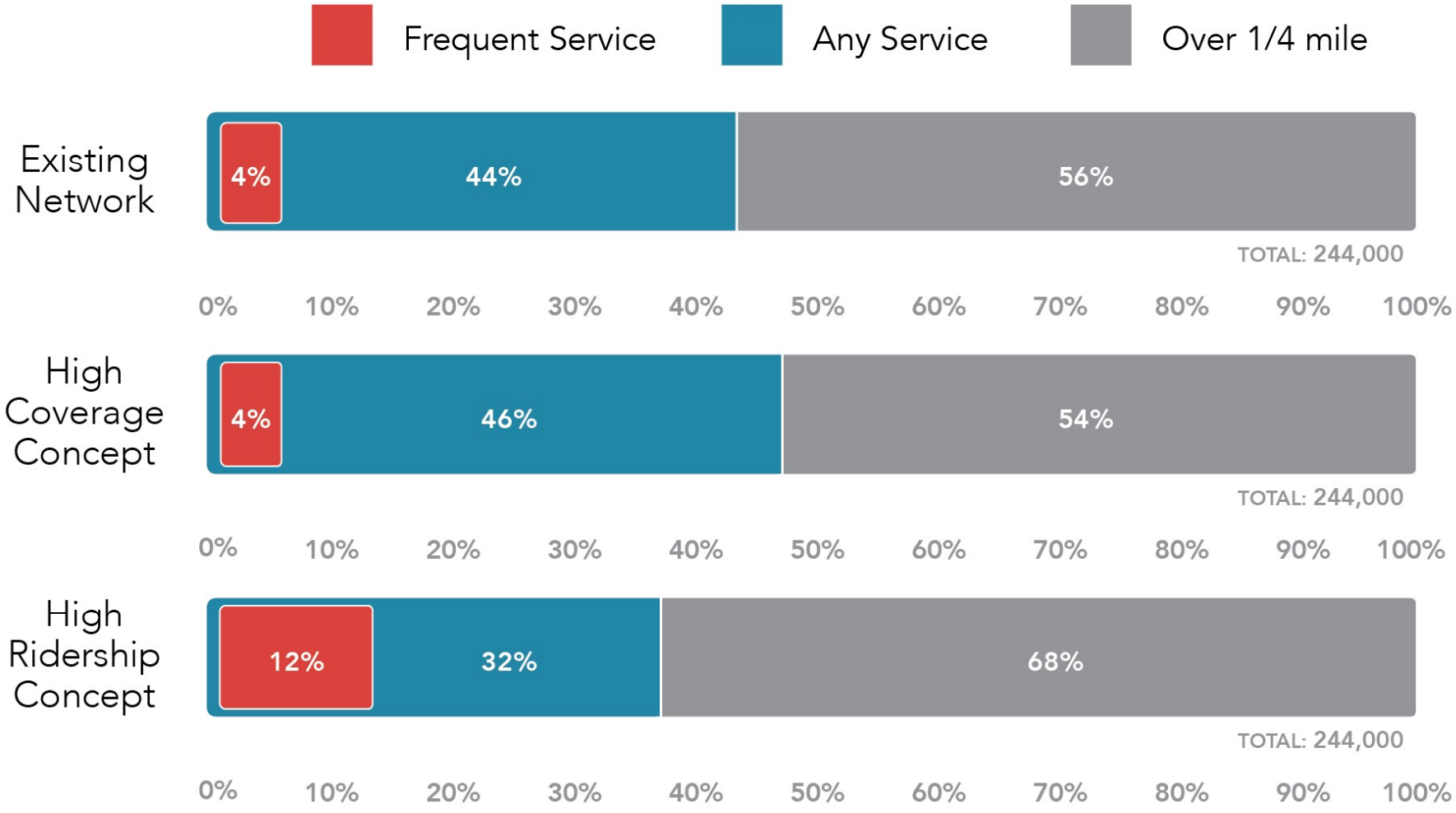
- Web surveying through May 15
- Paper surveying at the JMR Transit Center
- Materials posted at County libraries
- Outreach events at community centers and libraries
- Public unveiling of the Concepts this evening
- …
- CAT Board will wrestle with this difficult trade-off in June.

Thank You!

MORE SLIDES!

Residents Near Transit

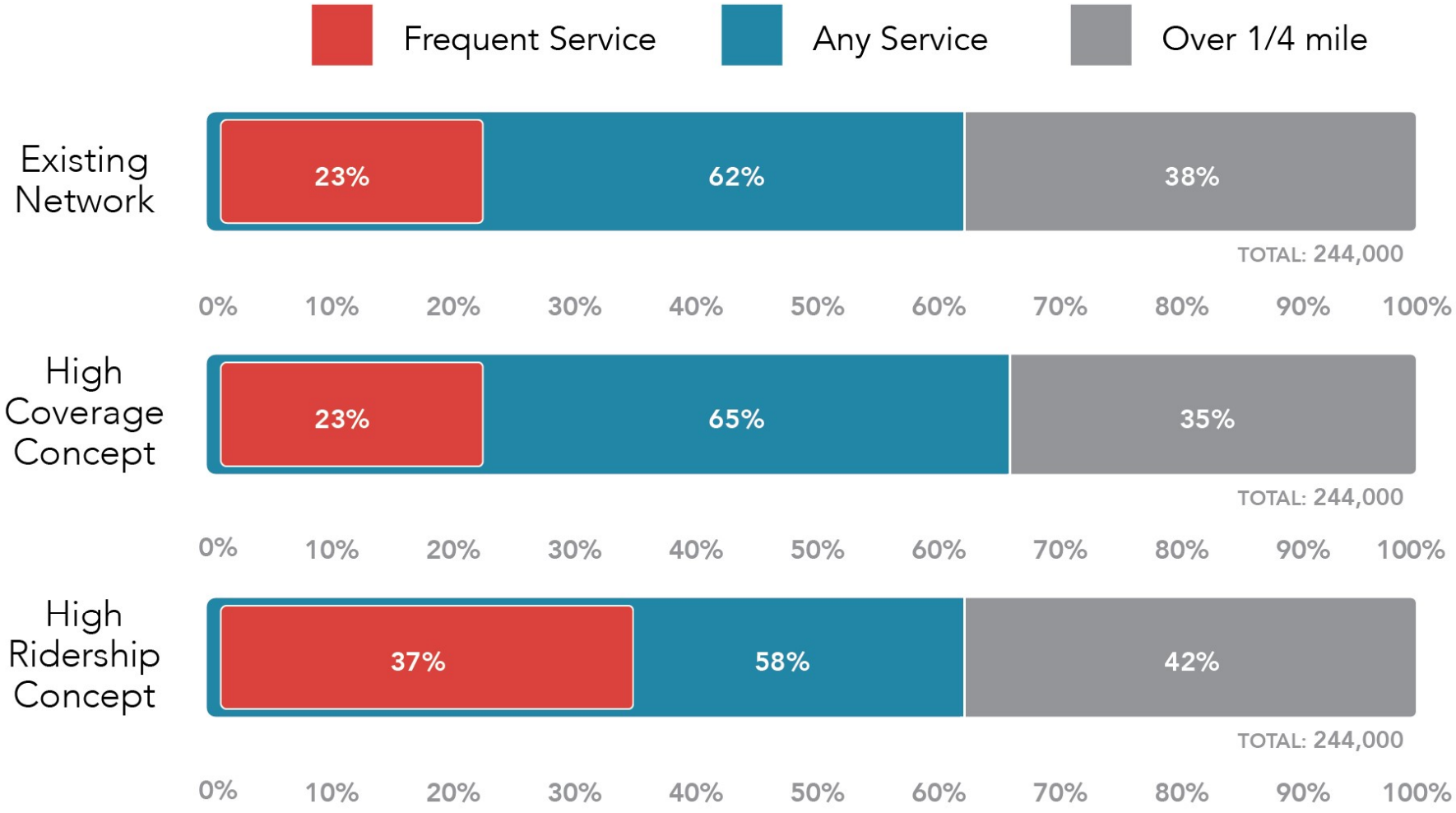
at midday on weekday (within 1/4 mile)



Data Source: GTFS October 2018; ACS 2016 (5-Year Estimates)

Jobs Near Transit

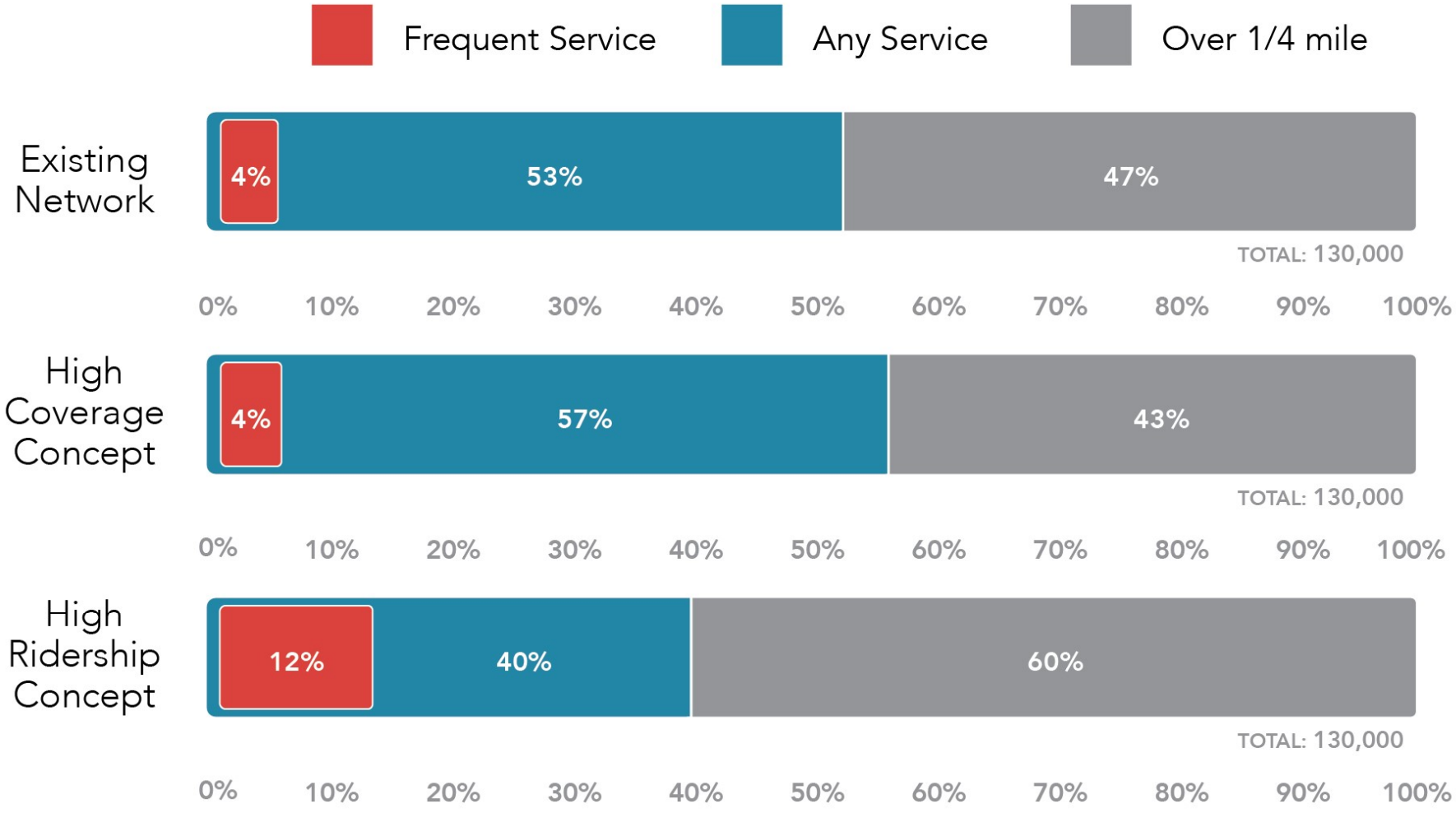
at midday on weekday (within 1/4 mile)



Data Source: GTFS October 2018; LEHD 2015

Minority Residents Near Transit

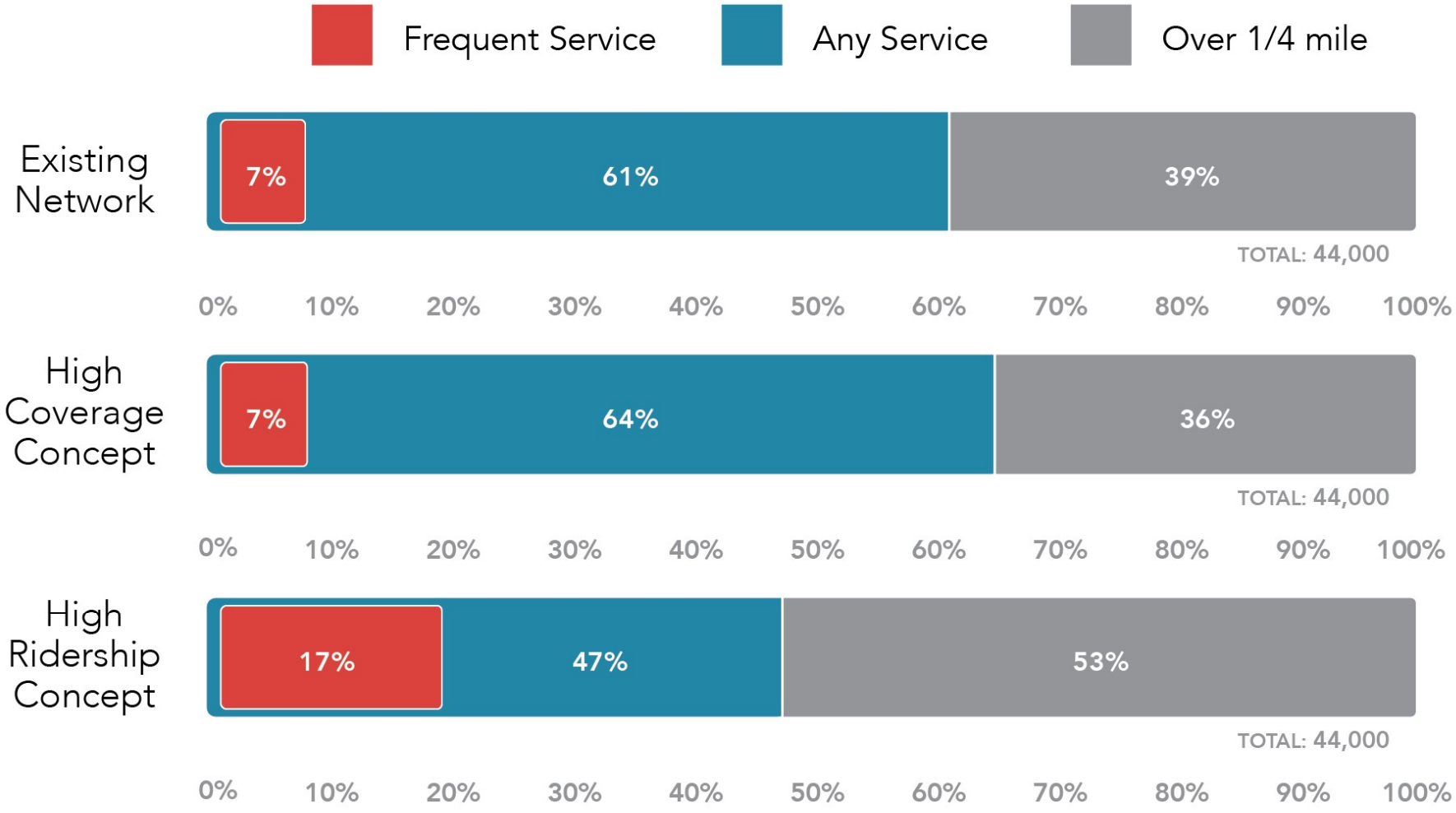
at midday on weekday (within 1/4 mile)



Data Source: GTFS October 2018; ACS 2016 (5-Year Estimates)

Low Income Residents Near Transit

at midday on weekday (within 1/4 mile)



Data Source: GTFS October 2018; ACS 2016 (5-Year Estimates)