



Southeast Regional Working Group Meeting

January 31, 2023

Agenda – Southeast Regional Working Group Meeting

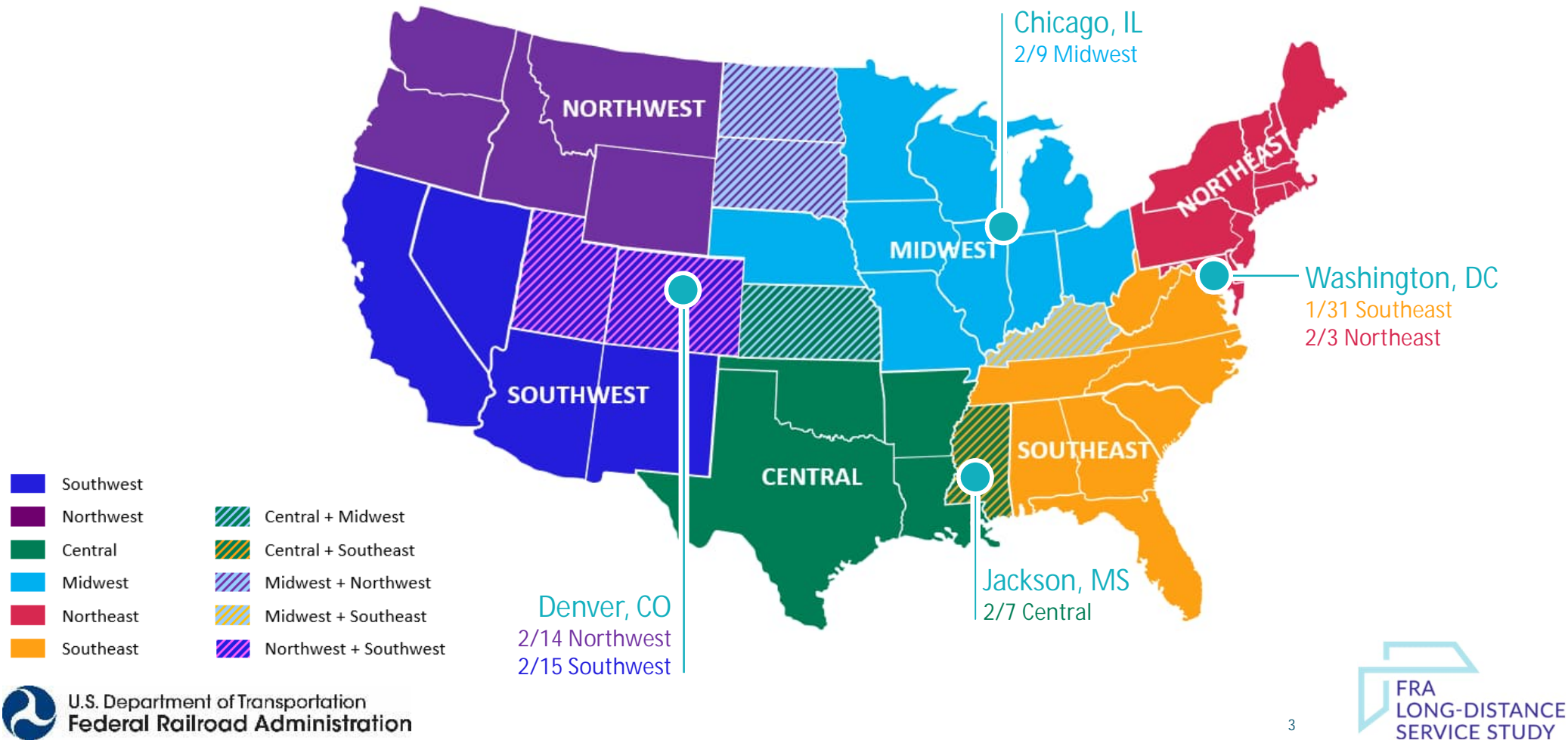
- Welcome & Introductions
- Long-Distance Service 101 and Study Overview
- Current Long-Distance Network and Routes
- Pre-1971 and Discontinued Routes
- Baseline and Market Conditions
- Potential New Market Connections and Opportunities
- Evaluation Factors Review and Discussion
- Amtrak and Communities Working Together
- Closing and Next Steps

This document contains materials specific to the Southeast Region for the following agenda items:

- Current Long-Distance Network and Routes
- Baseline and Market Conditions

Additional materials about the FRA Long-Distance Service Study presented at each Regional Working Group Meeting are available on the project website:
<https://fralongdistancerailstudy.org/meeting-materials/>

Long-Distance Service Study: Working Group Meeting 1 (Southeast)

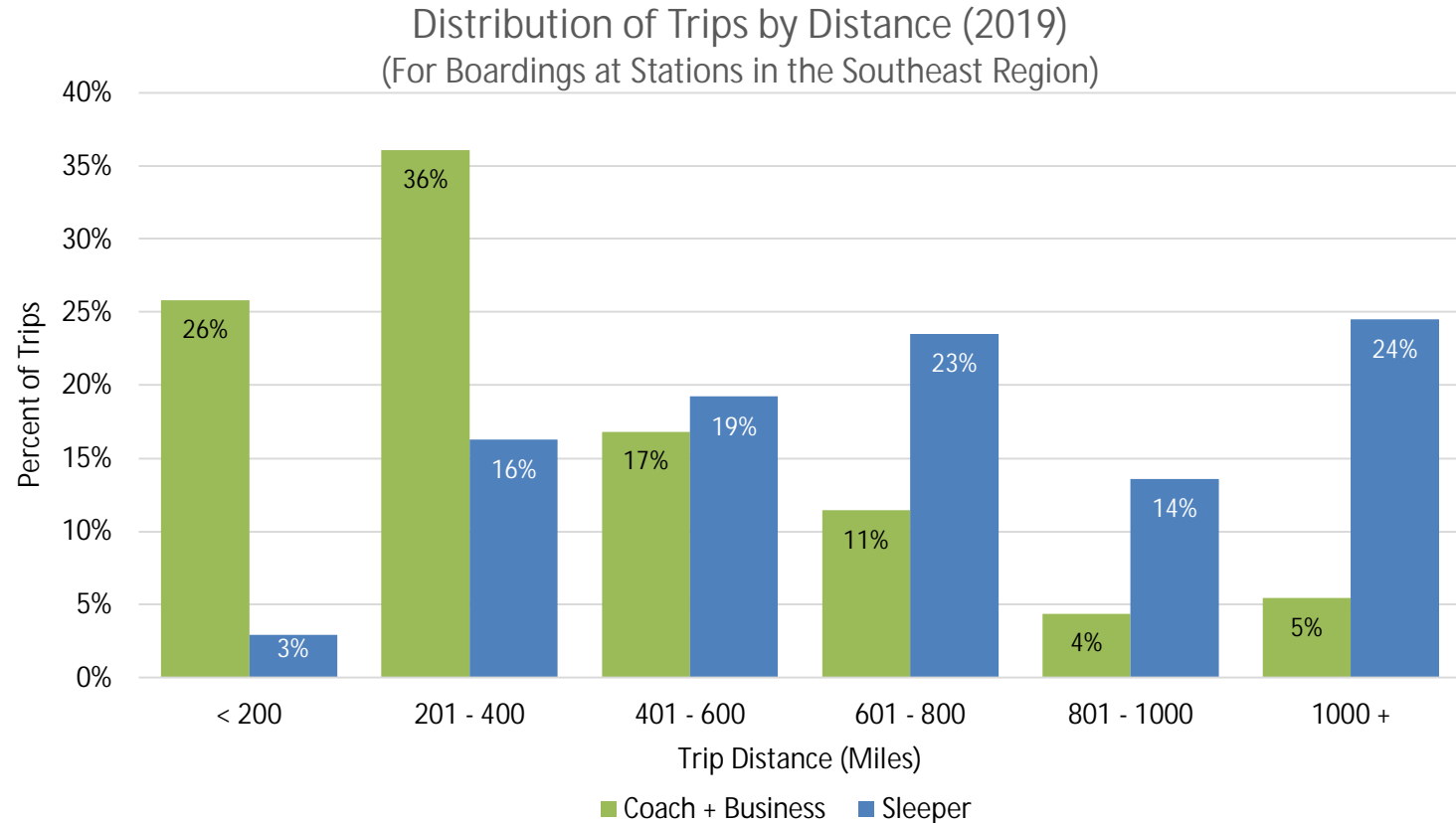


CURRENT LONG- DISTANCE NETWORK & ROUTES – SOUTHEAST

Southeast Long-Distance Service and Performance

Average Trip Length: Southeast Region

- Trips originating in the Southeast Region are shorter than for Long-Distance service overall
- 62% of Coach and Business Class trips are less than 400 miles, compared to 61% for Long-Distance overall
- 24% of Sleeper Class trips are greater than 1,000 miles, compared to 41% for Long-Distance overall

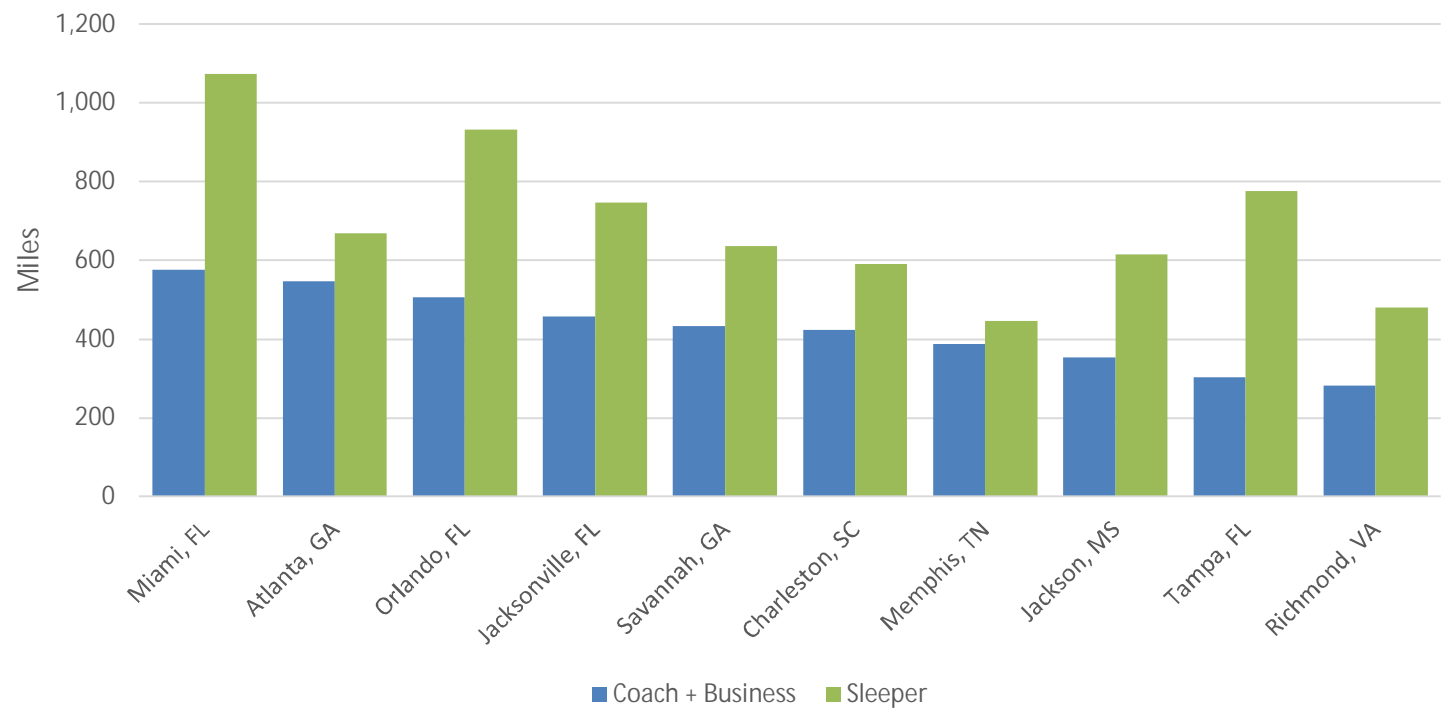


Southeast Long-Distance Service and Performance

Trip Length by Service Class

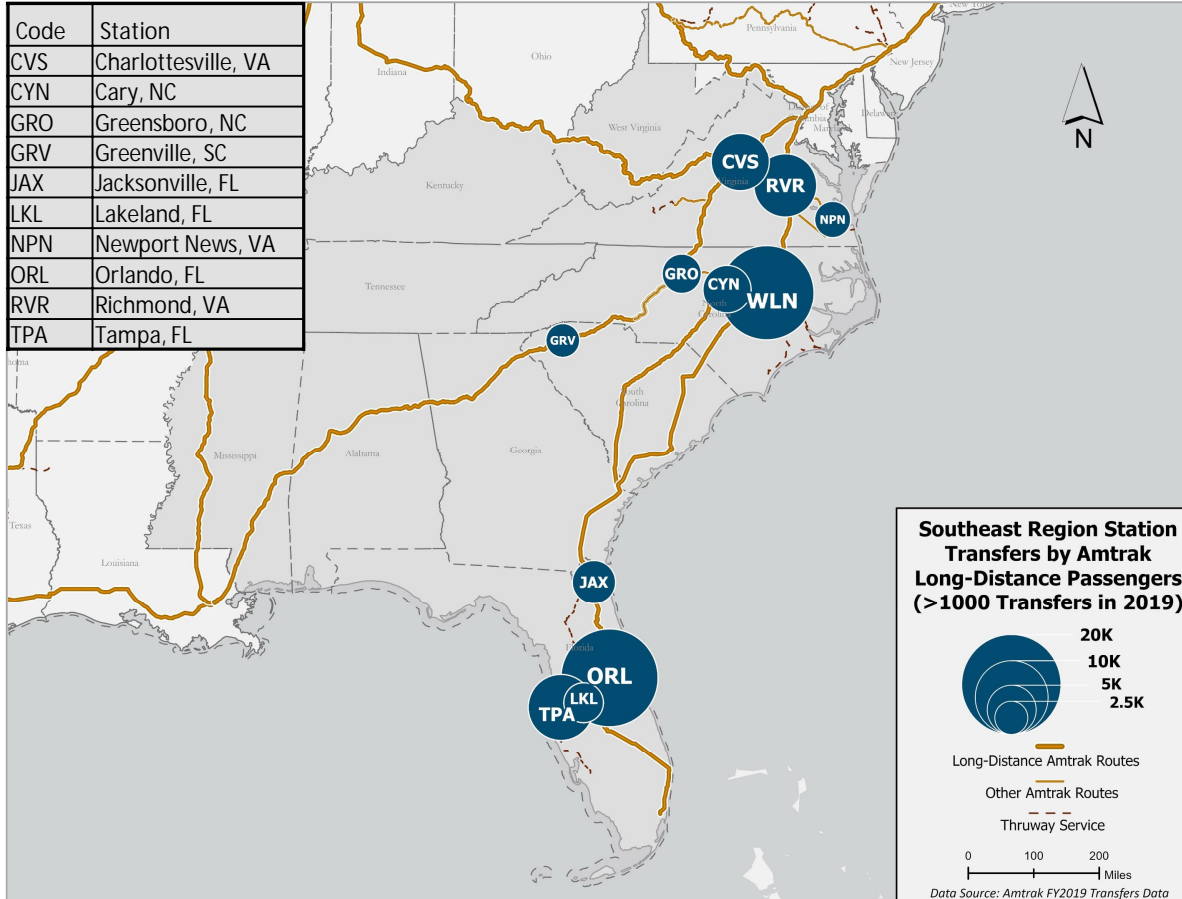
- Average trip length by service class for riders on Long-Distance routes boarding at stations in the Southeast Region
- Miami, served by the *Silver Meteor* and the *Silver Star*, has the longest distance trips on average

Top 10 Stations in the Southeast Region by Total Boardings (2019)
Average Trip Distance by Service Class



Southeast Service and Performance Characteristics

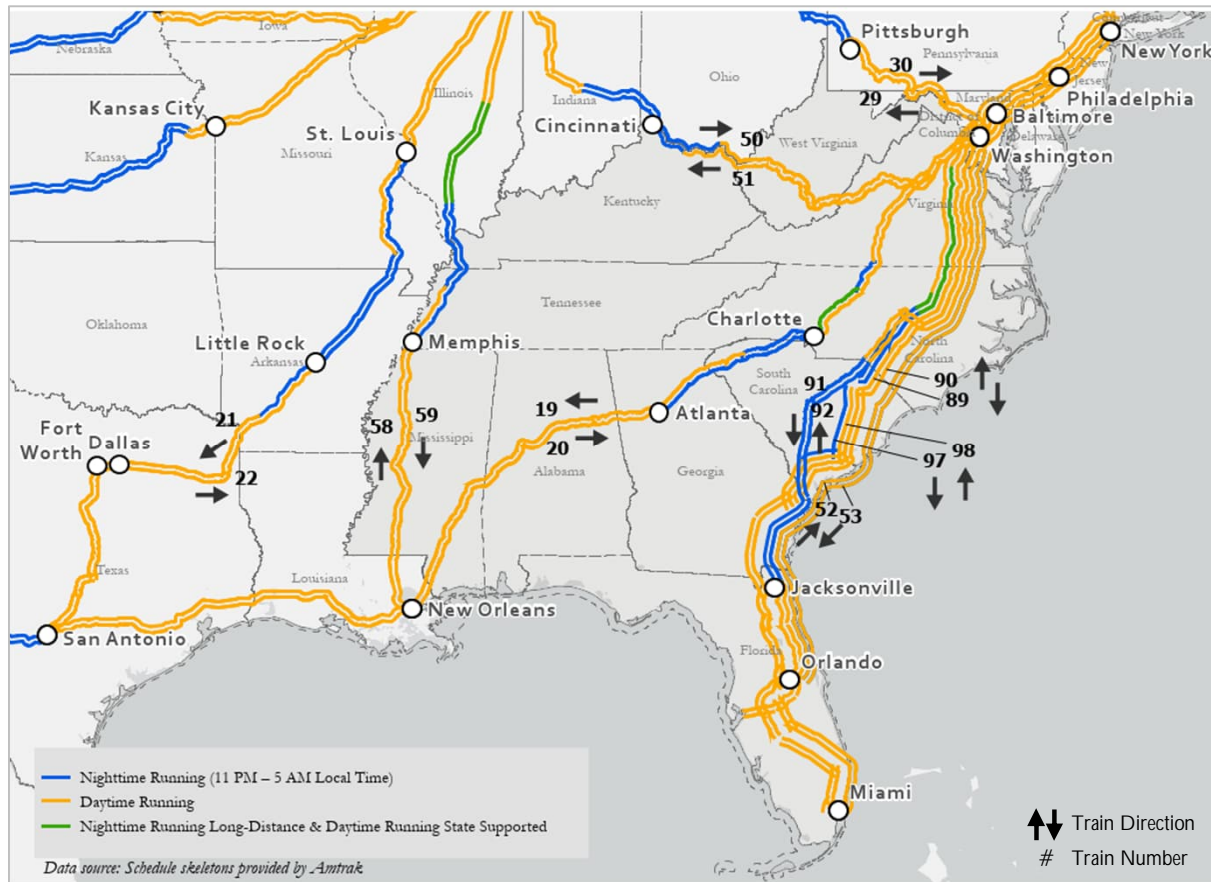
Code	Station
CVS	Charlottesville, VA
CYN	Cary, NC
GRO	Greensboro, NC
GRV	Greenville, SC
JAX	Jacksonville, FL
LKL	Lakeland, FL
NPN	Newport News, VA
ORL	Orlando, FL
RVR	Richmond, VA
TPA	Tampa, FL



Long-Distance Passenger Transfers in the Southeast Region*

- Stations with more than 1,000 transfers in 2019
- Top transfer stations
 - Orlando, FL (17K)
 - Wilson, NC (16K)
 - Tampa, FL (9K)

Southeast Service and Performance Characteristics



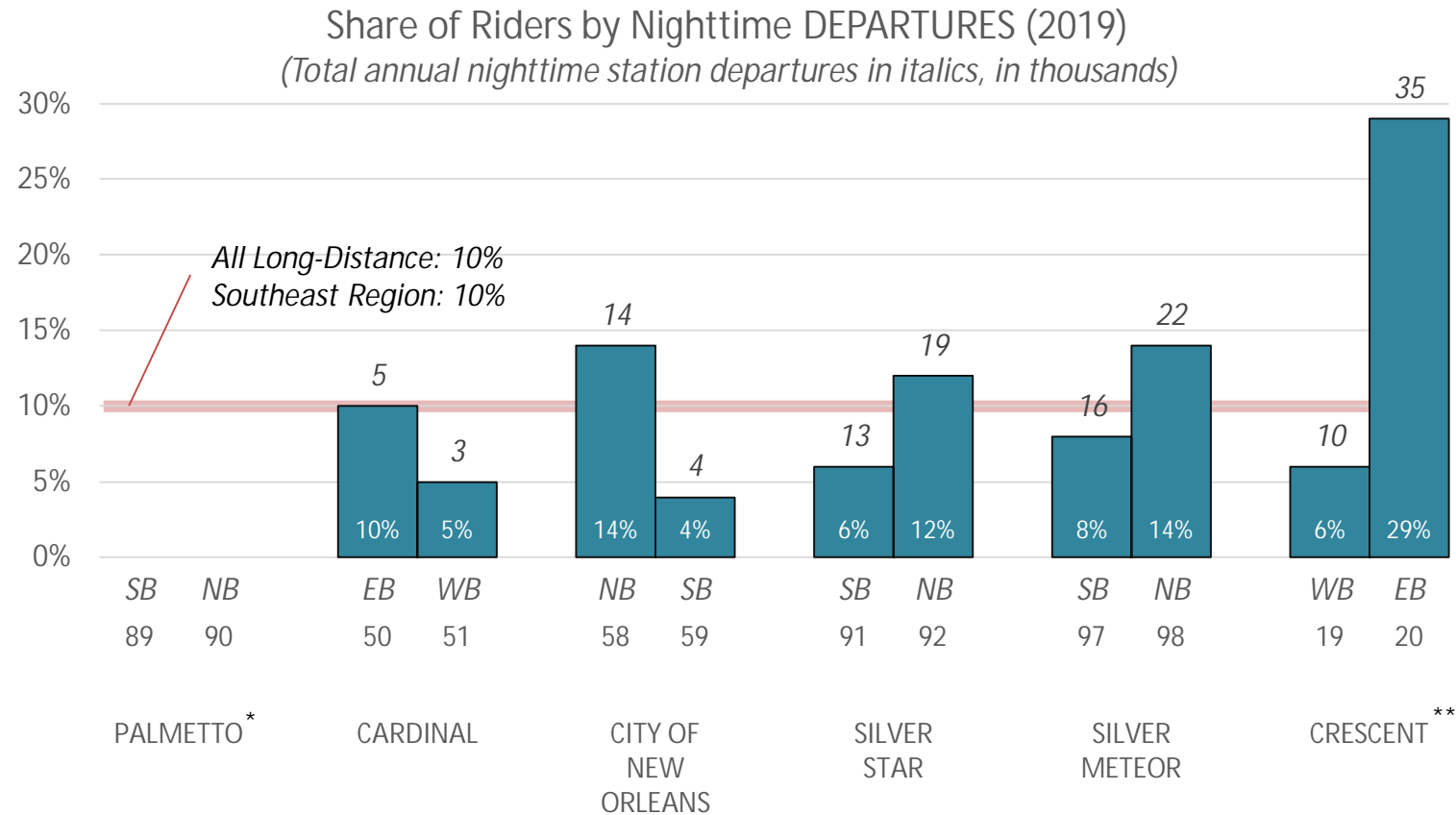
Daytime and Nighttime Service

- Long-distance routes in the Southeast Region have a one-night journey, except for *Palmetto*
- Larger markets served at night
 - Atlanta (*Crescent* NB)
 - Charlotte (*Crescent* SB)
 - Jacksonville, FL (*Silver Star* NB)
 - Savannah and Columbia, SC (*Silver Star* NB and SB)
- Smaller markets served at night
 - Stations between Atlanta and Charlotte
 - Stations in North Carolina and South Carolina are served both night and day depending on the route/train

Southeast Long-Distance Service and Performance

Time of Day Analysis: Nighttime Departures

- Departures at stations in the Southeast Region only
- There are more nighttime departures on northbound and eastbound trips
- The greatest share of nighttime departures occur on the eastbound *Crescent* in Atlanta, GA



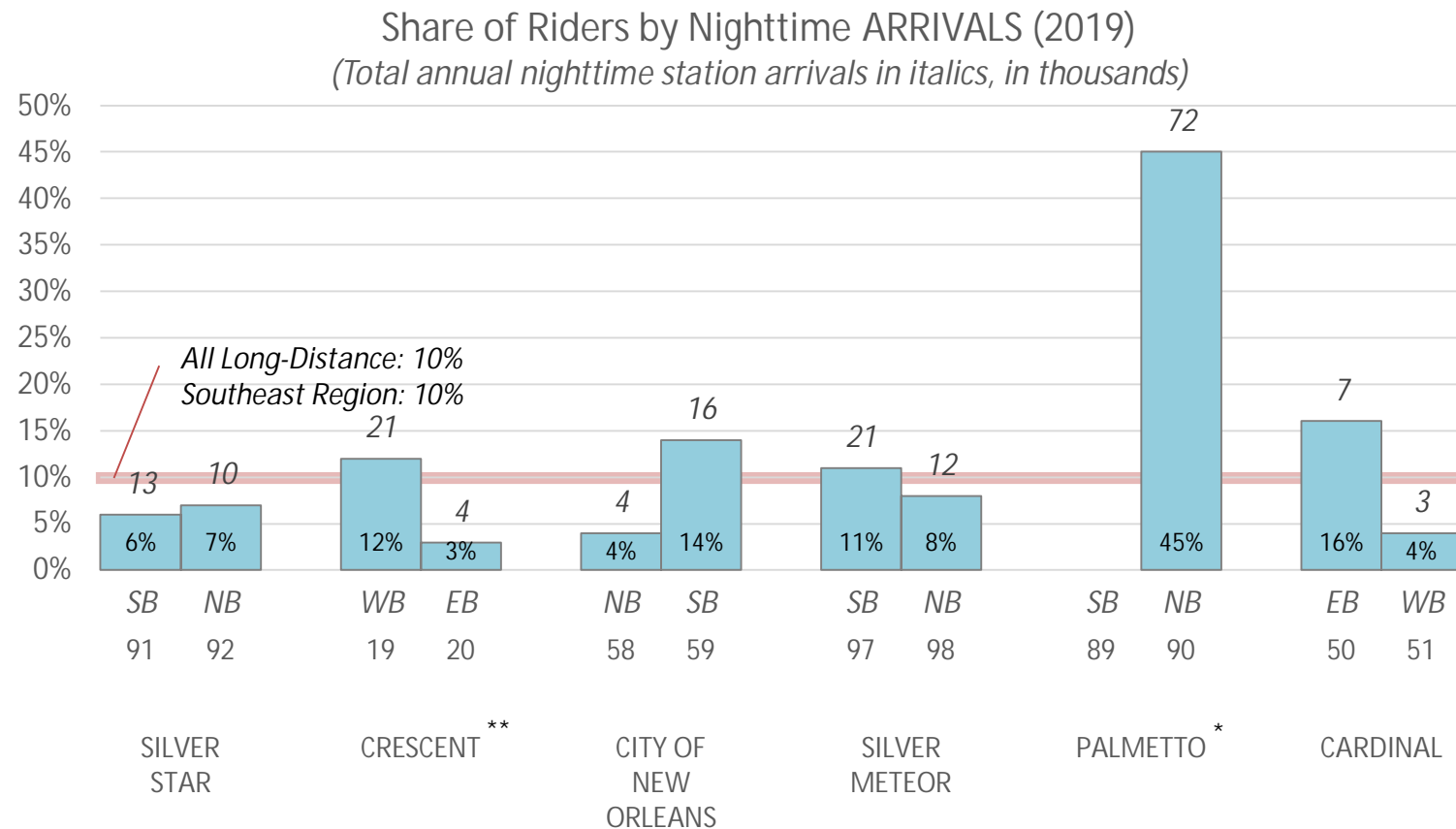
* Palmetto does not have nighttime departures

** Crescent: 2022 schedule update changed nighttime service

Southeast Long-Distance Service and Performance

Time of Day Analysis: Nighttime Arrivals

- Arrivals at stations in the Southeast Region only
- The greatest share of nighttime arrivals occur on the northbound *Palmetto* – this is mainly due to its scheduled arrival time after 11 p.m. at Newark, NJ and New York Penn Station
- Second largest share of nighttime arrivals is the eastbound *Cardinal*



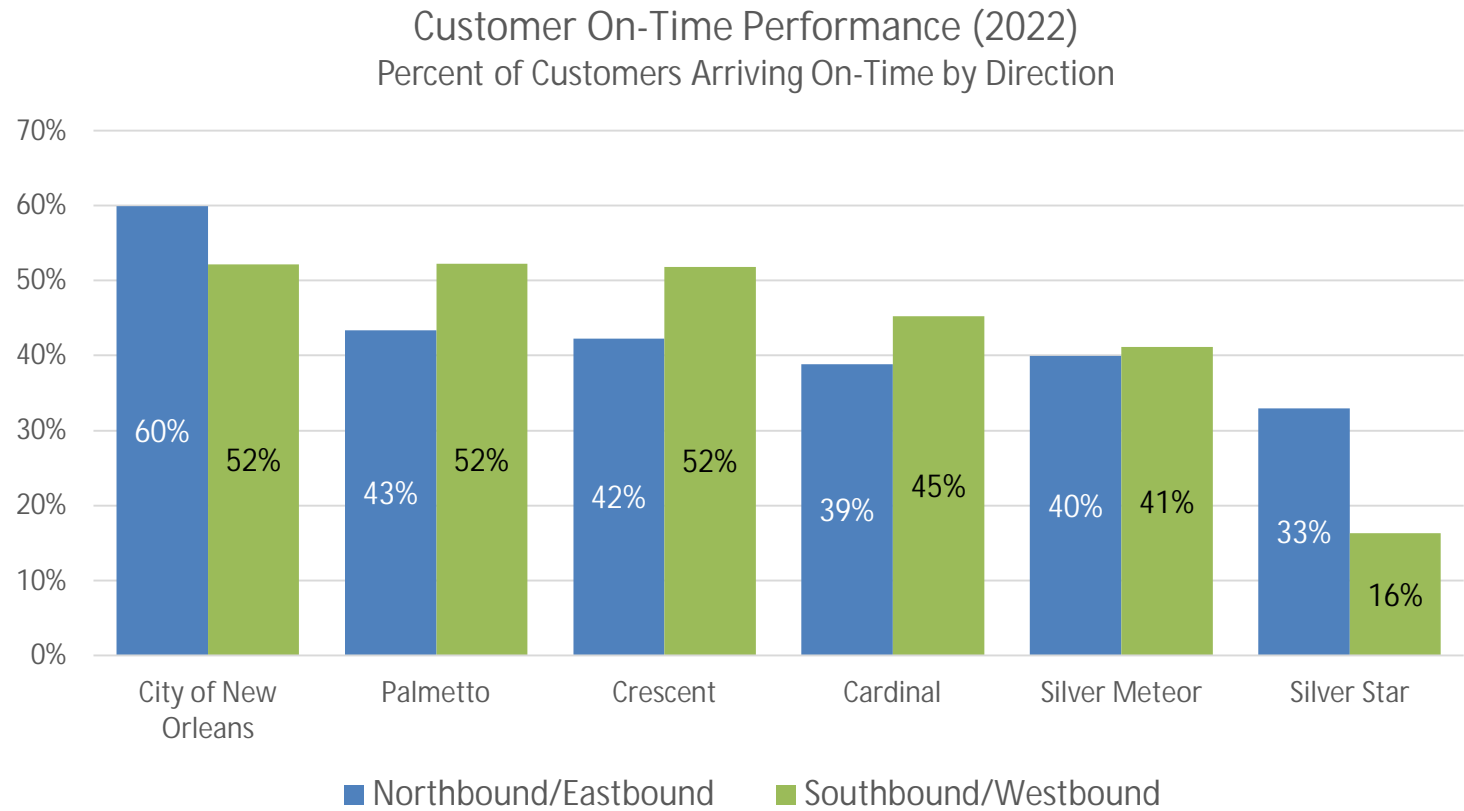
* Due to Newark Penn and New York Penn arrivals between 11 p.m. and midnight

** Crescent: 2022 schedule update changed nighttime service

Southeast Long-Distance Service and Performance

Customer On-Time Performance

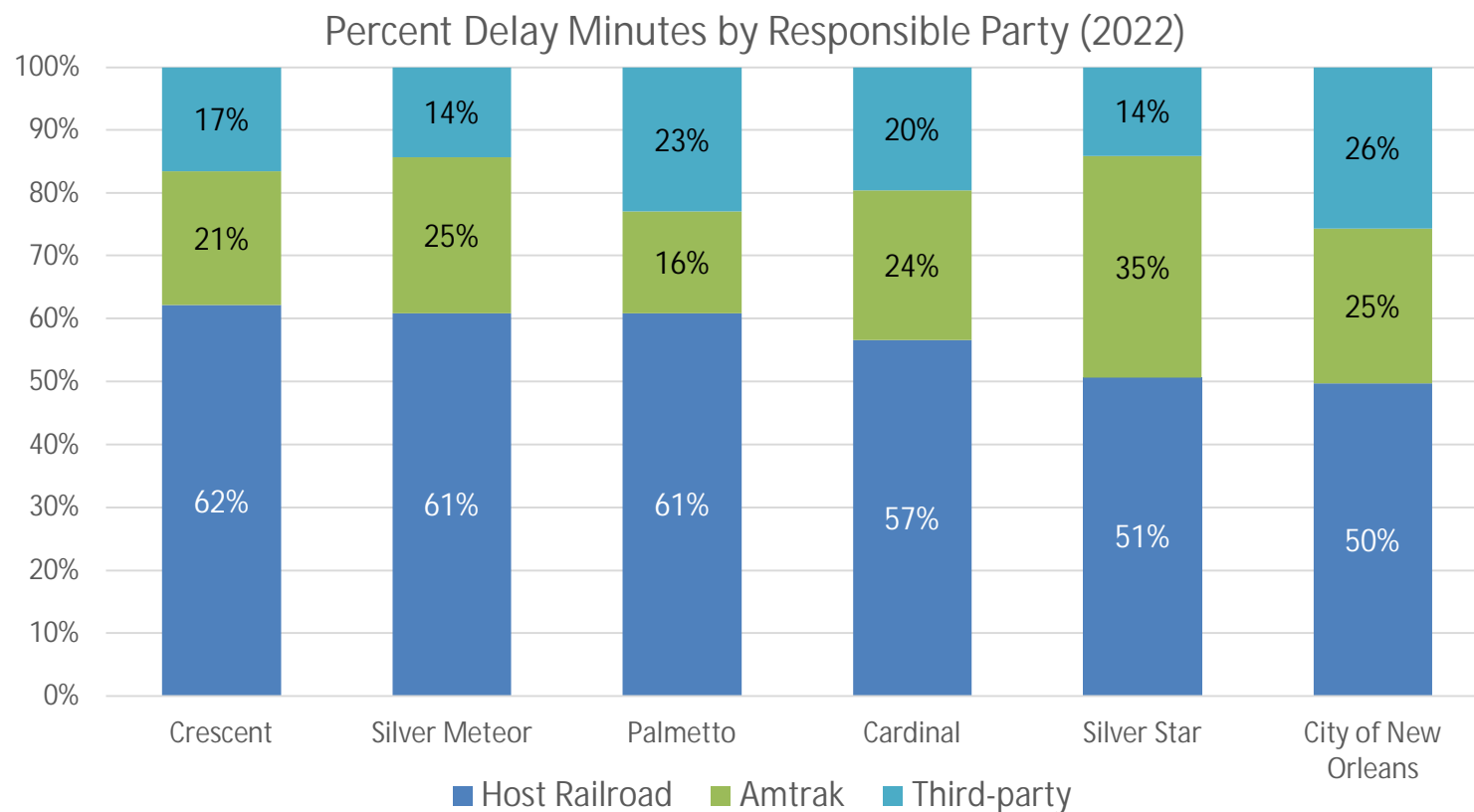
- On-time is defined as arriving at a destination station in the Southeast Region within 15 minutes of the scheduled arrival time
- 36% of Long-Distance customers in the Southeast Region arrive on-time



Southeast Long-Distance Service and Performance

Amtrak-Reported Delay Minutes: Reason for Delay

- Three types of delay minute responsibility: Amtrak-responsible, Host Railroad-responsible, and third-party
- Freight train interference is the top source of Host Railroad delays, accounting for 49% of Host Railroad delay minutes for routes serving the Southeast Region



Current Long-Distance Network & Routes – Southeast Summary

- Trips originating in the Southeast Region are shorter than for Long-Distance service overall
 - 62% of Coach and Business Class trips are less than 400 miles on routes serving the Southeast Region compared to 61% for Long-Distance overall
 - 24% of Sleeper Class trips are over 1,000 miles on routes serving the Southeast Region compared to 41% for Long-Distance overall
- Miami, served by the *Silver Meteor* and the *Silver Star*, has the longest distance trips on average
- 36% of Long-Distance customers in the Southeast Region arrive on-time (within 15 minutes of schedule)

BASELINE AND MARKET CONDITIONS – SOUTHEAST

Overview of Sources and Methods

- Trip Flow Data:
 - Total trips for all modes between MSAs from Federal Highway Administration's (FHWA) Next-Gen National Household Travel Survey National Passenger origin-destination (O-D) data (2020) (<https://nhts.ornl.gov/od/>)
 - Represents annual trips by the U.S. population throughout all of 2020
 - 2020 data impacted by COVID-19 conditions
 - Provides insights into travel demand between cities
- Amtrak O-D Pairs Data:
 - Volume of trips on Long-Distance passenger trains from Amtrak (2019) between station pairs
 - Provides insights into Long-Distance passenger train travel between stations
- Trips analyzed were at least 100 miles in length

Definitions

Market

- Trip making to or from a community (for example, a city or a larger geography such as an entire region)

MSA

- Metropolitan Statistical Area: A standardized county or equivalent-based area having at least one urbanized area of 50,000 or more population

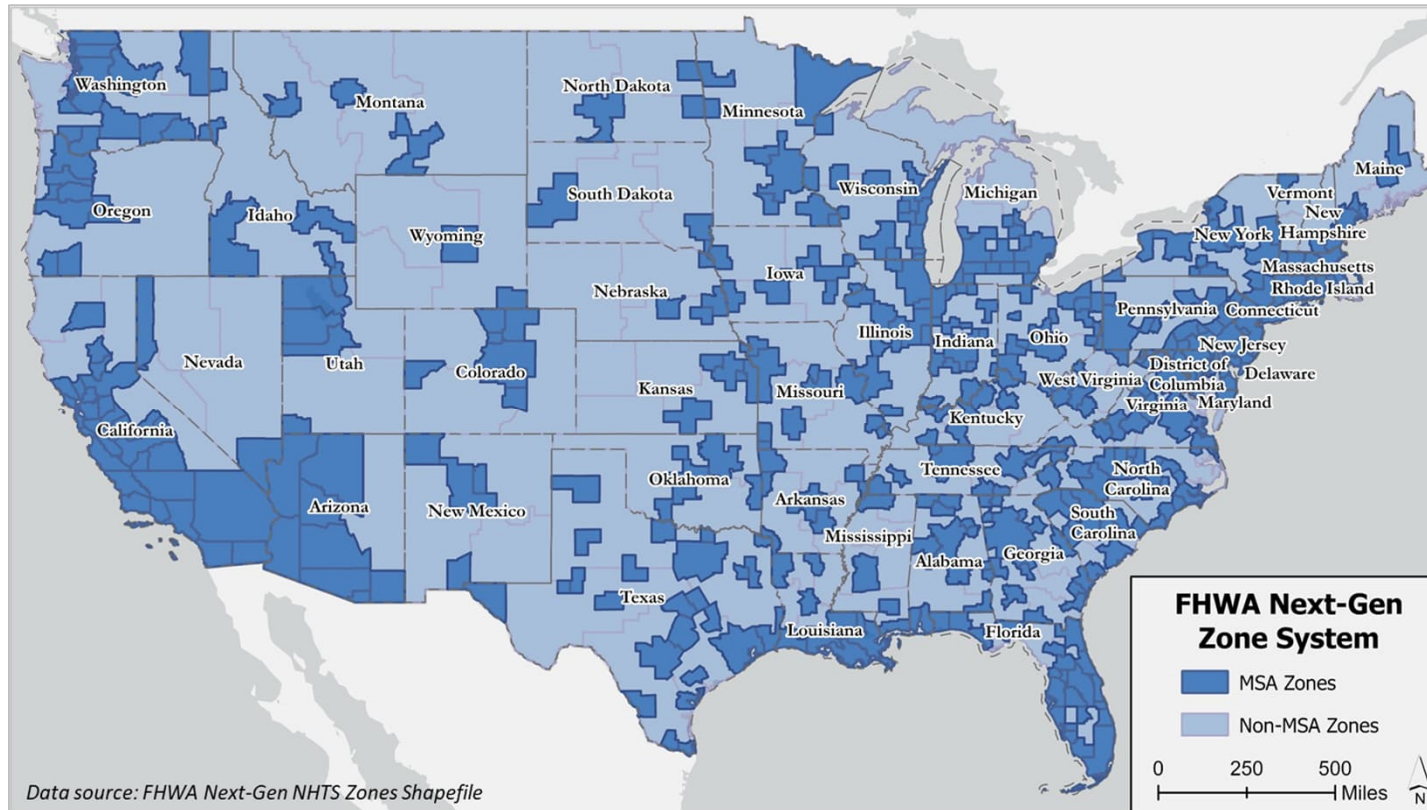
Smaller MSA

- MSA with a population less than 250,000 residents

Small Community

- Community served by an Amtrak station located outside an MSA

FHWA Next-Gen Zones



- FHWA Next-Gen data represent trips between and within zones
- About 600 zones nationwide
- About 450 zones are either an MSA or part of an MSA
- Areas outside of MSAs are grouped into non-MSA zones. Non-MSA zones often are large in terms of land area

Southeast Region – Market Opportunities

- The next few slides are based on FHWA Next-Gen data for all trips and all travel modes

Southeast Region – Market Opportunities

Top 25 Trip Flows

- Trip flows between MSAs with one trip end in an MSA in the Southeast Region
- Based on Next-Gen and showing total trips over 100 miles across all modes
- Trip flow colors indicate availability of Amtrak service between MSAs

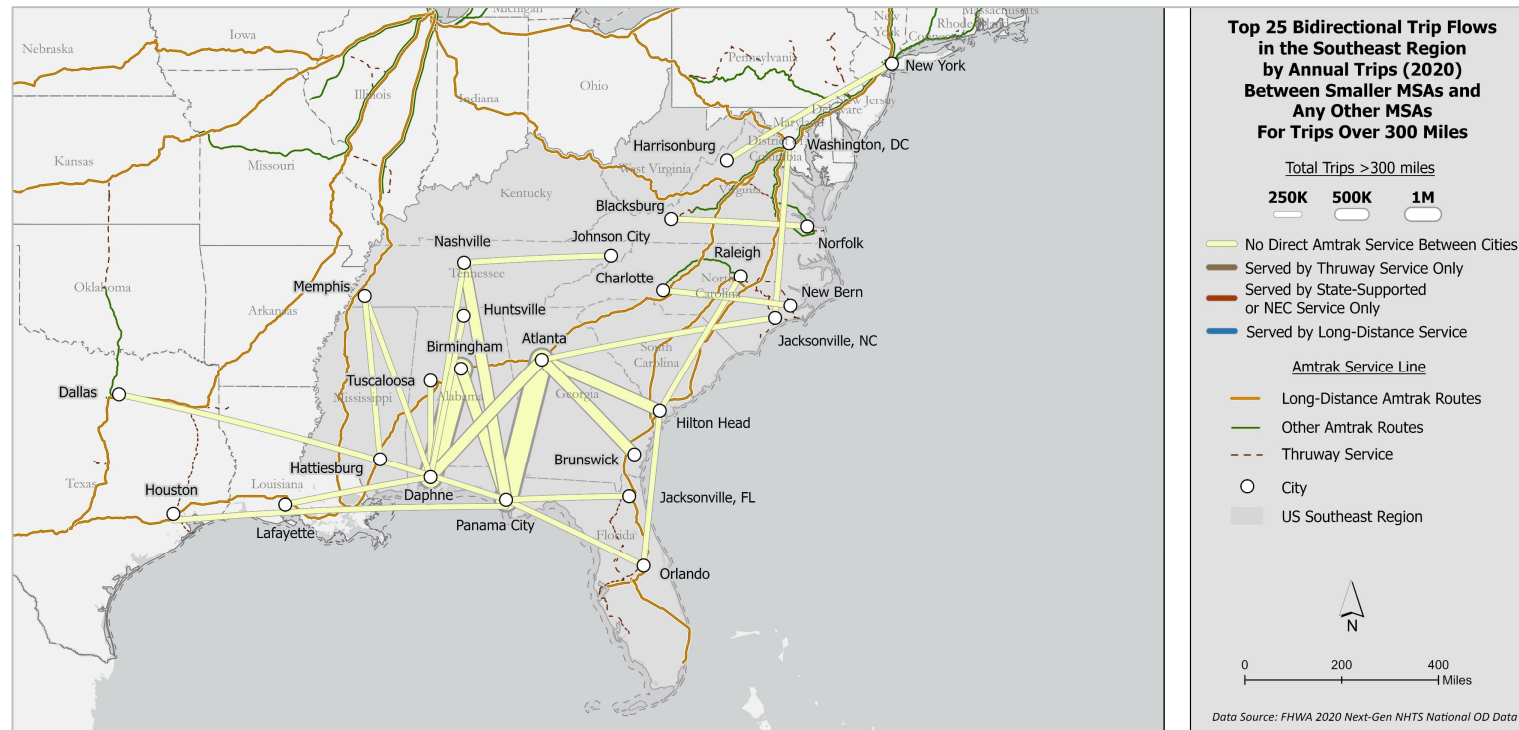


May not show all Thruway Bus Services

Southeast Region – Market Opportunities for Smaller MSAs

Top 25 Trip Flows Connecting Smaller MSAs

- Trip flows between MSAs with one trip end in a smaller MSA in the Southeast Region
- Total trips over 300 miles across all modes
- Top flows are between MSAs not directly served by Amtrak service
- Significant travel to coastal communities, particularly Panama City, FL and beach towns in Alabama



May not show all Thruway Bus Services

Southeast Region – Current Amtrak O-D Pairs

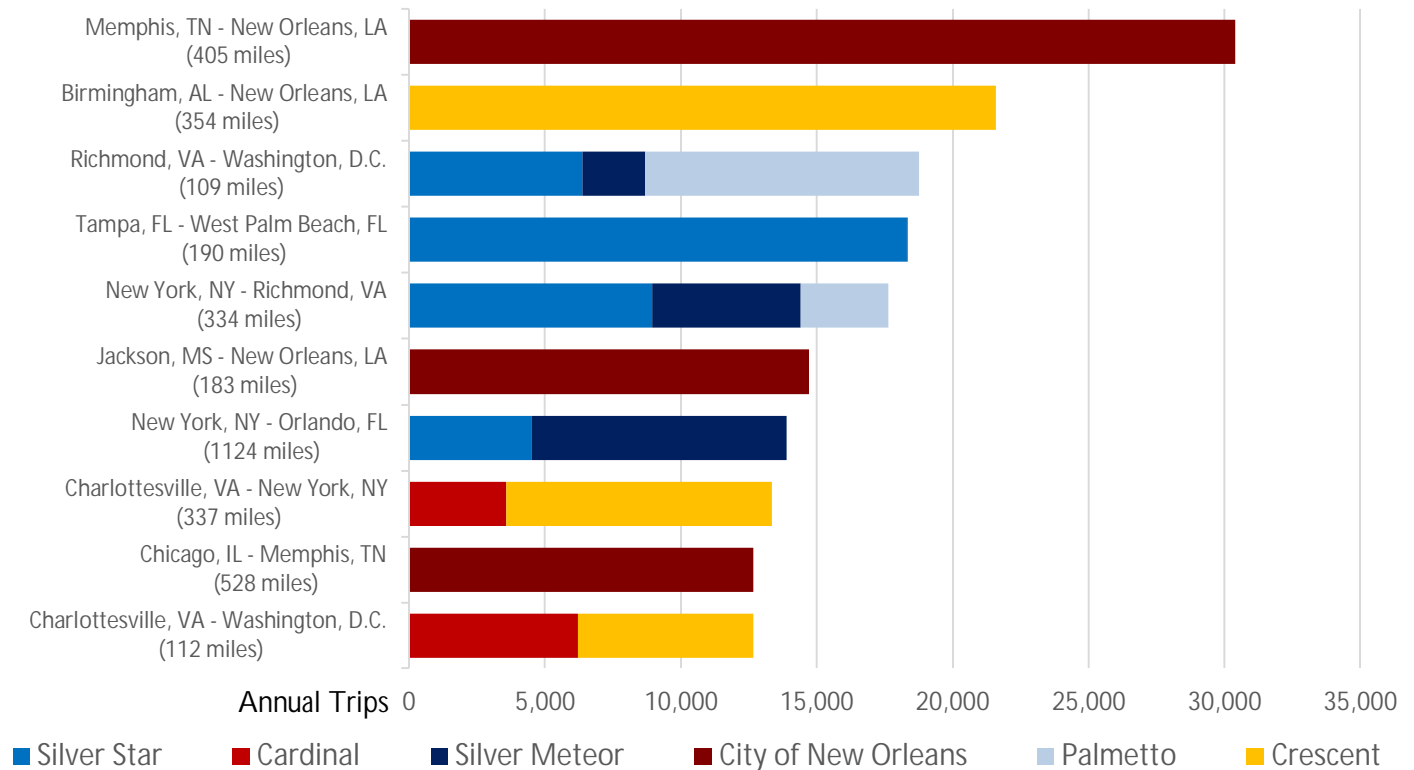
- The next few slides are based on Amtrak FY 2019 origin-destination (O-D) ridership data for rail trips over 100 miles in length on Long-Distance passenger trains
- The slides focus on top station pairs overall and on trips made between small communities

Southeast Region – Current Amtrak O-D Pairs

Amtrak Ridership: Top 10 Station Pairs

- Nine of the top 10 pairs leave the Southeast Region
- Six of the top 10 station pairs in the Southeast Region include New Orleans, Memphis, and Richmond
- New York – Orlando and Chicago – Memphis are both overnight trips

Top 10 Long-Distance Station Pairs by Volume of Annual Trips (2019)

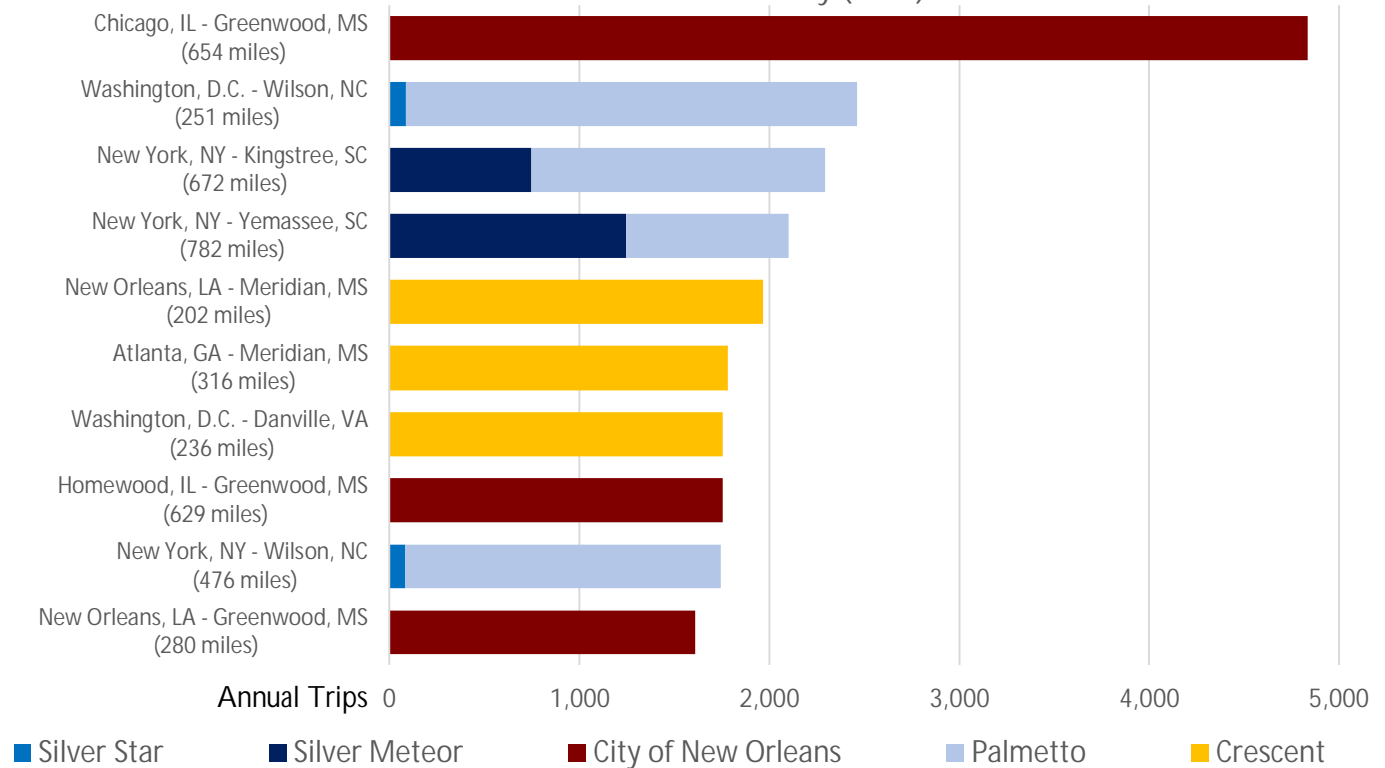


Southeast Region – Current Amtrak O-D Pairs

Amtrak Ridership: Top 10 Station Pairs Serving Small Communities

- Nine of the top 10 pairs leave the Southeast Region
- The top small communities are Greenwood, MS, Wilson, NC, and Meridian, MS, included in 7 of the top 10 pairs
- Chicago - Greenwood and Homewood - Greenwood are overnight trips on *City of New Orleans*
- New York - Yemassee is an overnight trip on the *Silver Meteor*, not the *Palmetto*

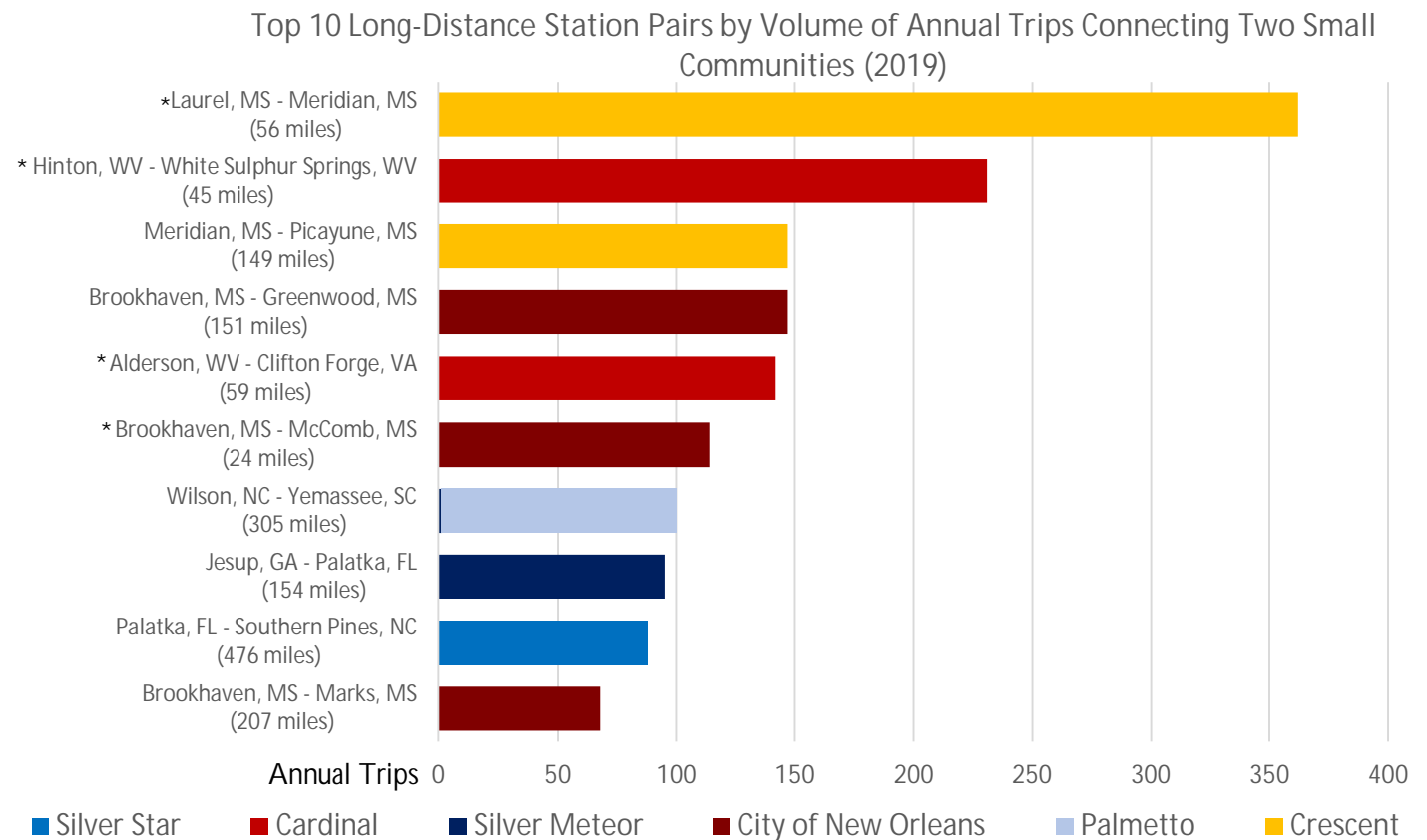
Top 10 Long-Distance Station Pairs by Volume of Annual Trips Including a Small Community (2019)



Southeast Region – Current Amtrak O-D Pairs

Amtrak Ridership: Top 10 Station Pairs Connecting Small Communities

- The top 10 pairs of small communities are all within the Southeast Region
- The largest small community markets are Meridian, MS and Brookhaven, MS, included in 5 of the top 10 pairs
- These are all daytime trips



* Represents station pairs less than 100 miles apart

Southeast Market Conditions Summary

- Top travel flows in the Southeast Region are primarily intra-regional with many flows between cities in Florida
 - Several of the trip flows are currently served by Long-Distance or state-supported services
- Top travel flows connecting smaller MSAs are between communities along the coasts of Alabama, the Florida Panhandle, and the Carolinas
- Nine of the top 10 rail station pairs include one of the following stations outside the Southeast Region: New York, Chicago, New Orleans, and Washington, DC
- Most of the top rail station pairs with a station in a small community are served by the *City of New Orleans, Crescent, and Palmetto*