



Southeast Regional Working Group Meeting

January 31, 2023



U.S. Department of Transportation
Federal Railroad Administration

Agenda – Southeast Regional Working Group Meeting

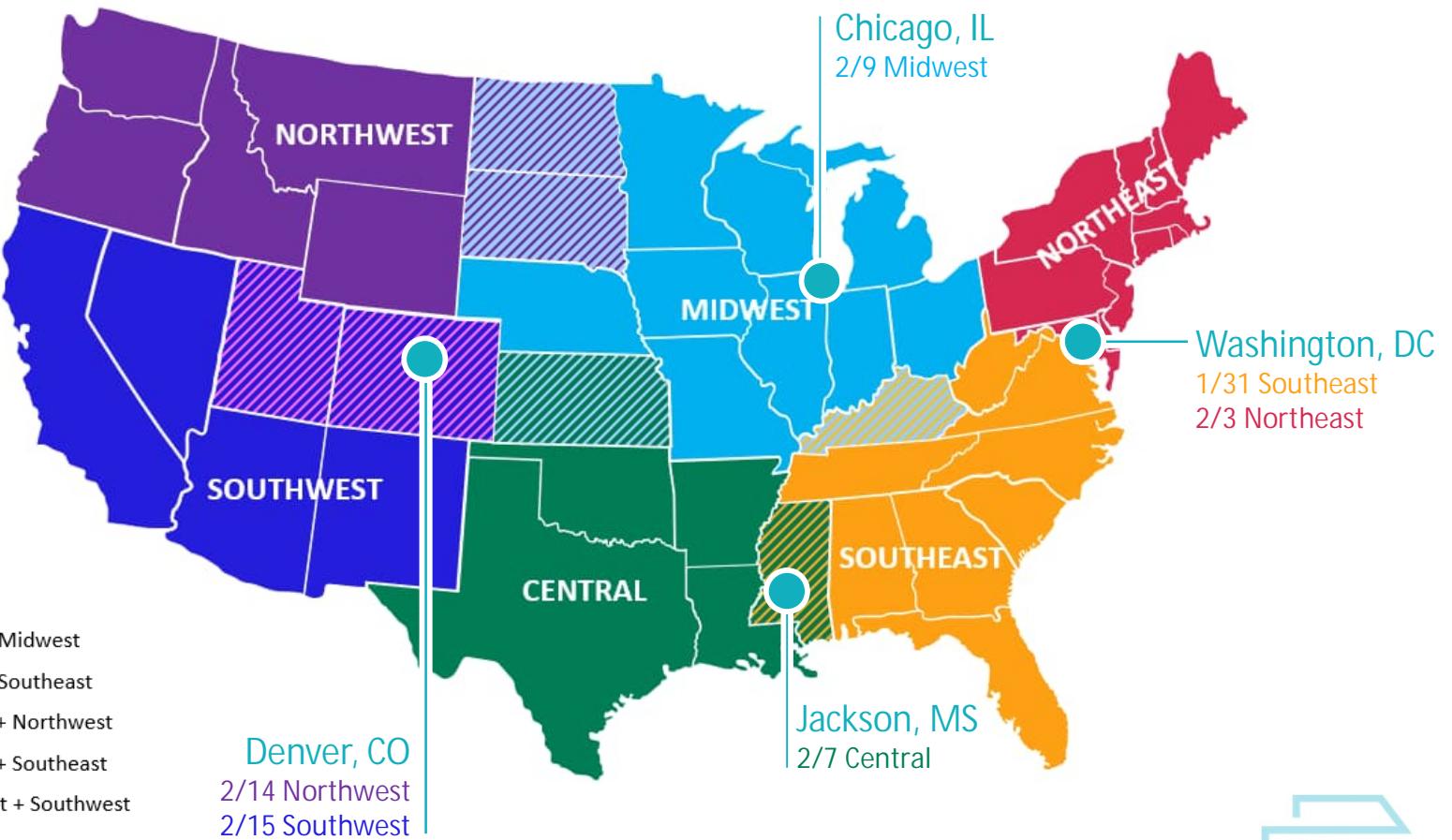
- Welcome & Introductions
- Long-Distance Service 101 and Study Overview
- Current Long-Distance Network and Routes
- Pre-1971 and Discontinued Routes
- Baseline and Market Conditions
- Potential New Market Connections and Opportunities
- Evaluation Factors Review and Discussion
- Amtrak and Communities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



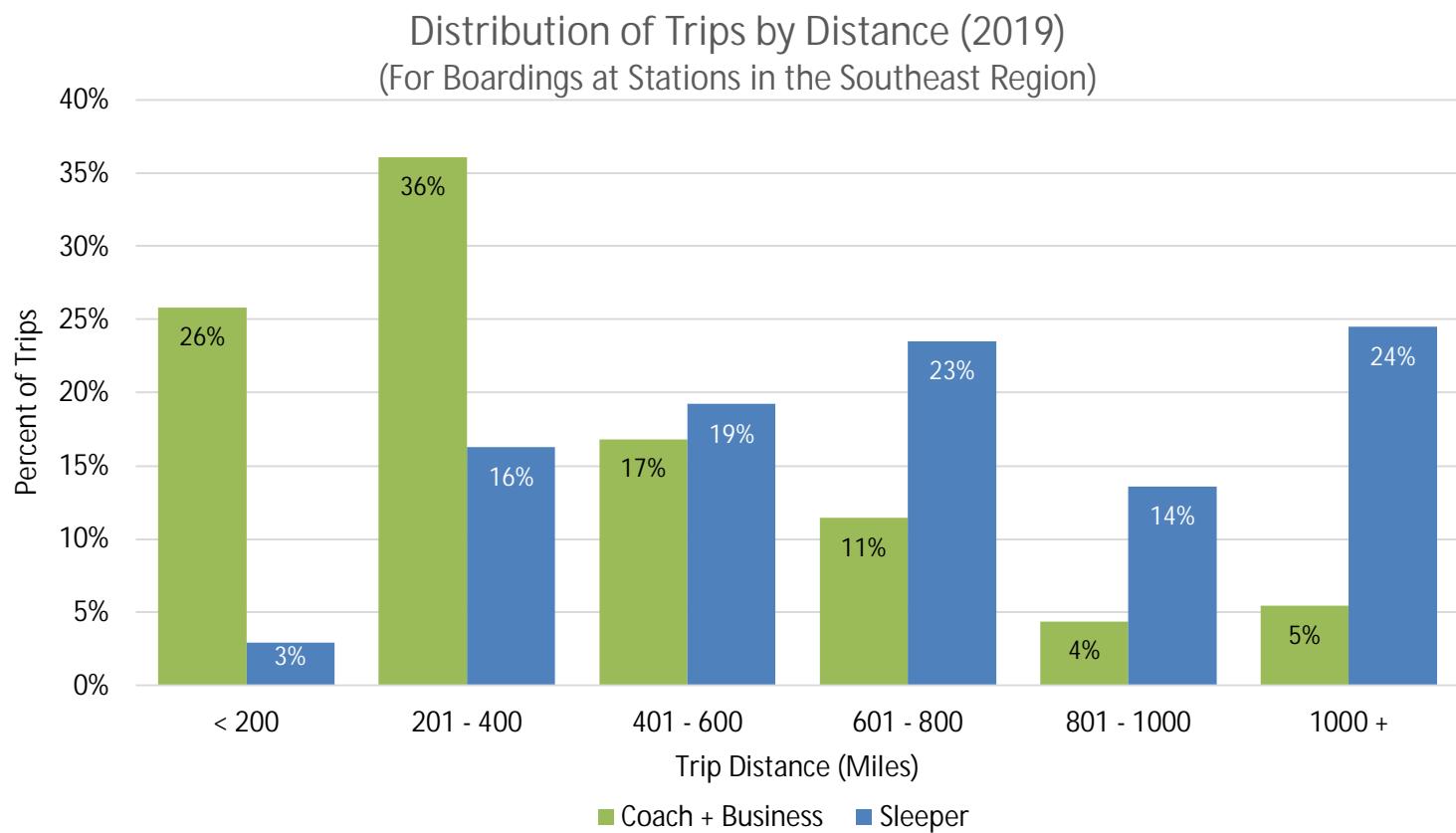
CURRENT LONG- DISTANCE NETWORK & ROUTES – SOUTHEAST



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



Source: Amtrak, Fiscal Year 2019. Data on trips by route, service class, and trip distance.
Note: Does not include *Auto Train*. One Long-Distance route in the Southeast Region, the *Palmetto*, includes Business Class in addition to Coach Class.

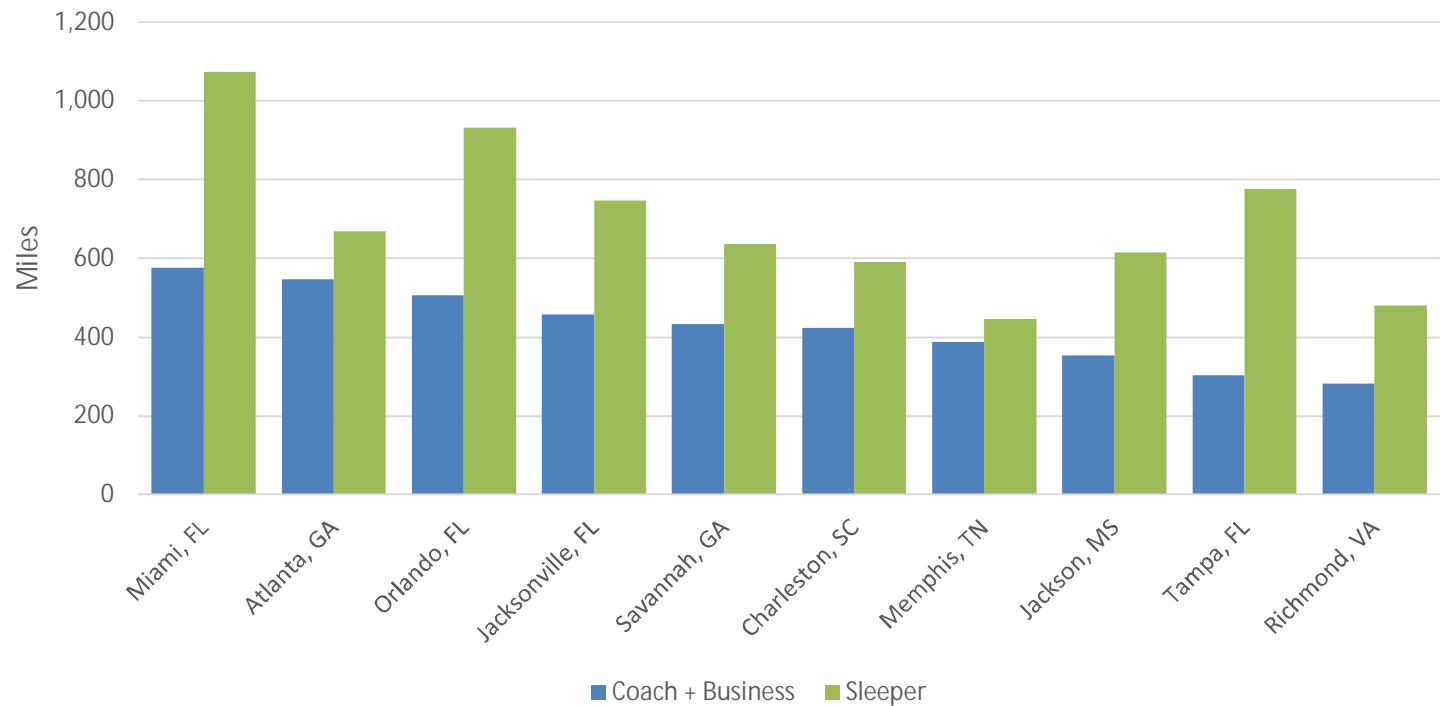
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Southeast Long-Distance Service and Performance

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

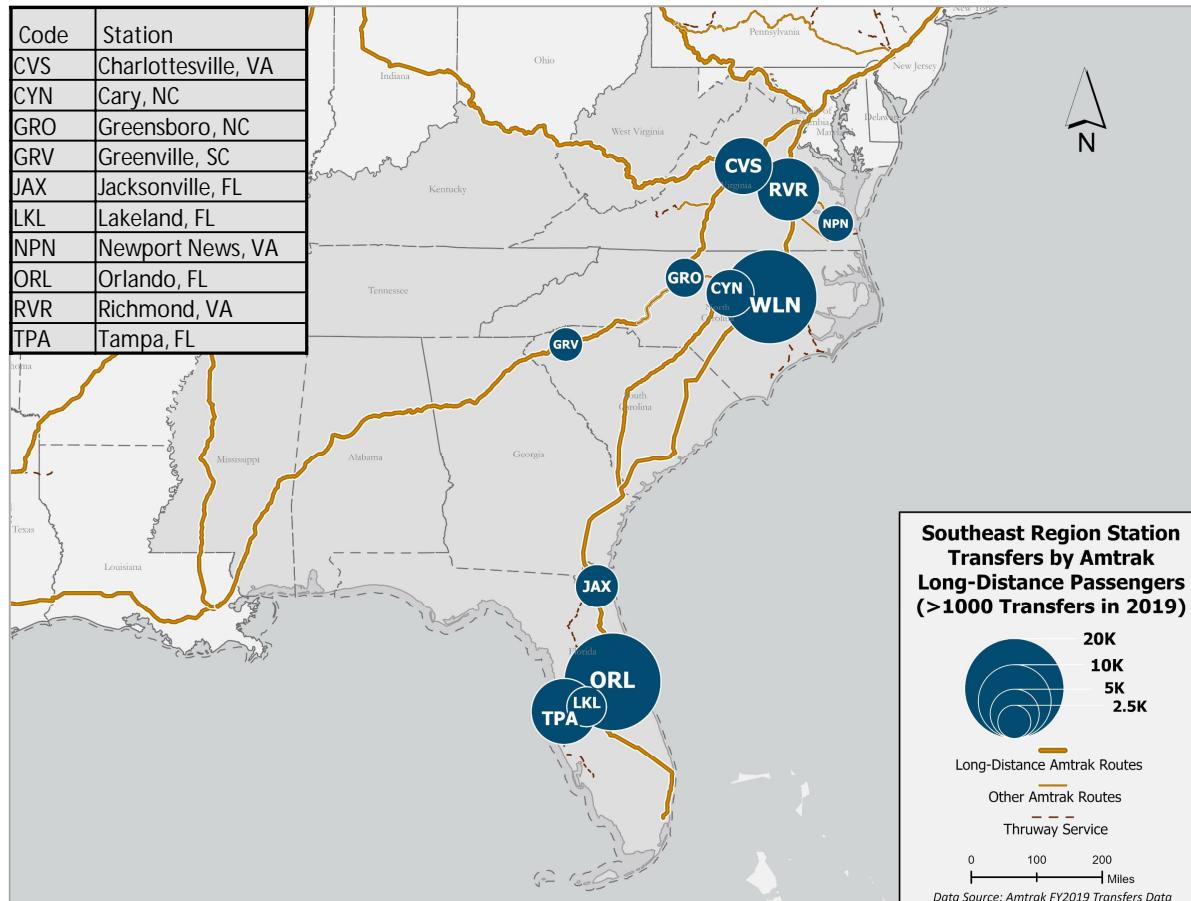
Top 10 Stations in the Southeast Region by Total Boardings (2019)
Average Trip Distance by Service Class



Source: Amtrak, Fiscal Year 2019. Data on trips by route, service class, and trip distance.
Note: Does not include *Auto Train*. One Long-Distance route in the Southeast Region, the *Palmetto*, includes Business Class in addition to Coach Class.

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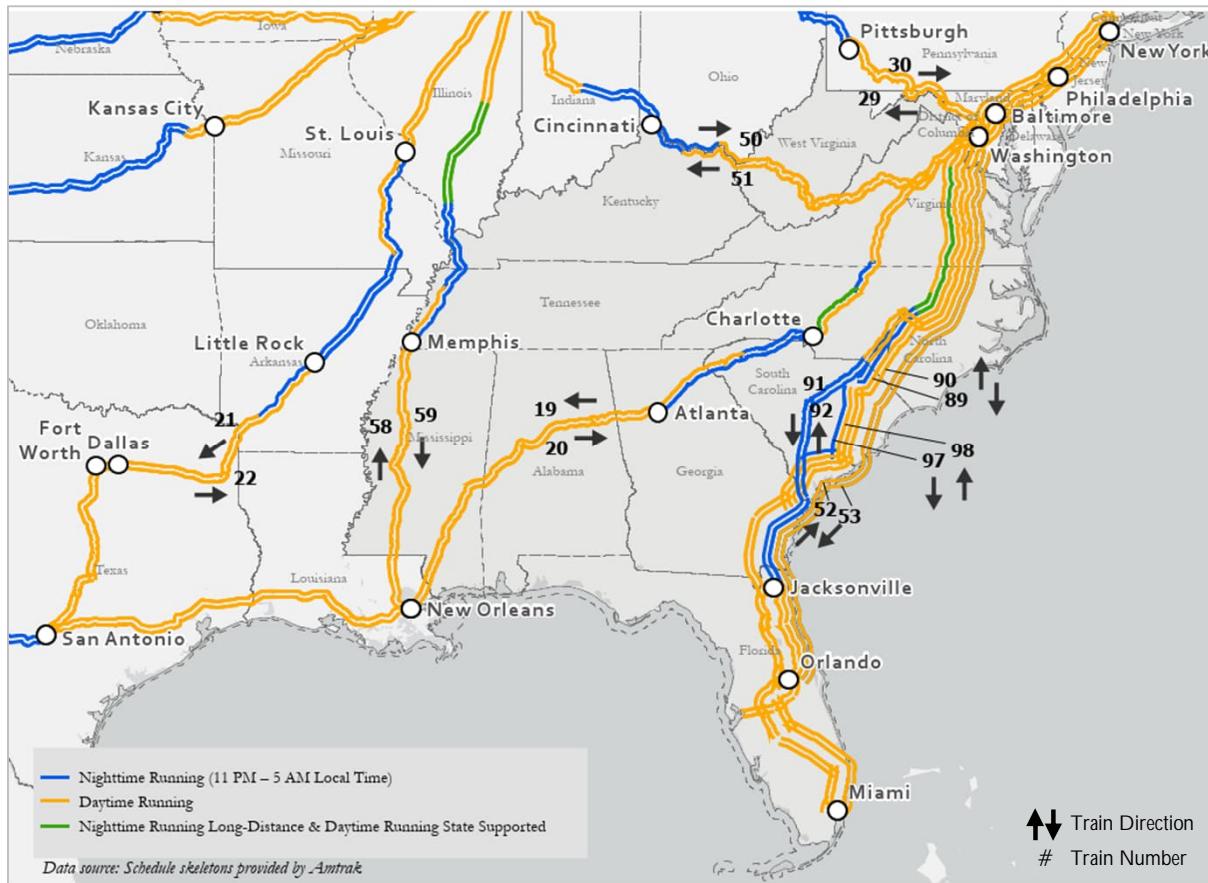
Southeast Service and Performance Characteristics



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



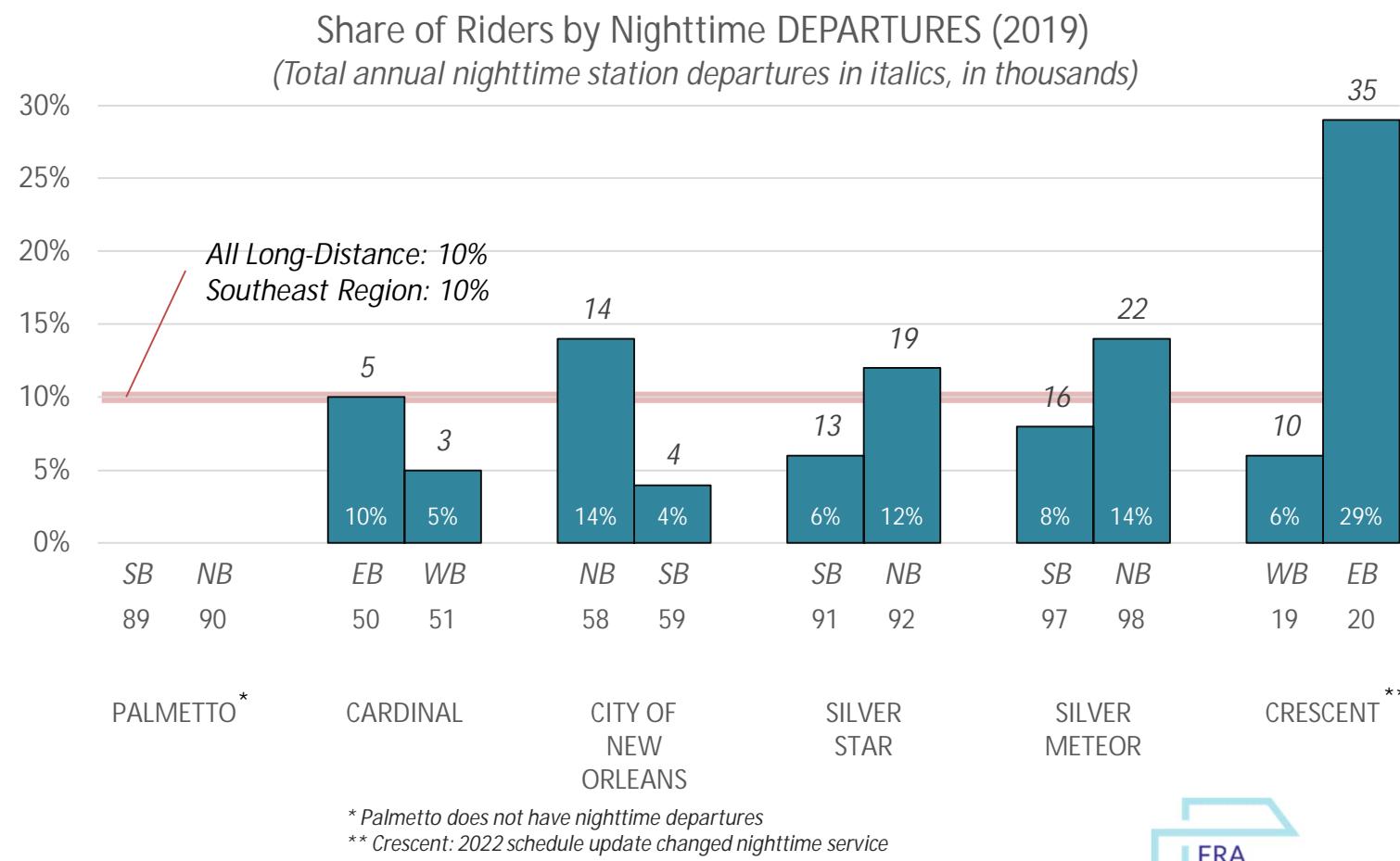
Daytime and Nighttime Service

- 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

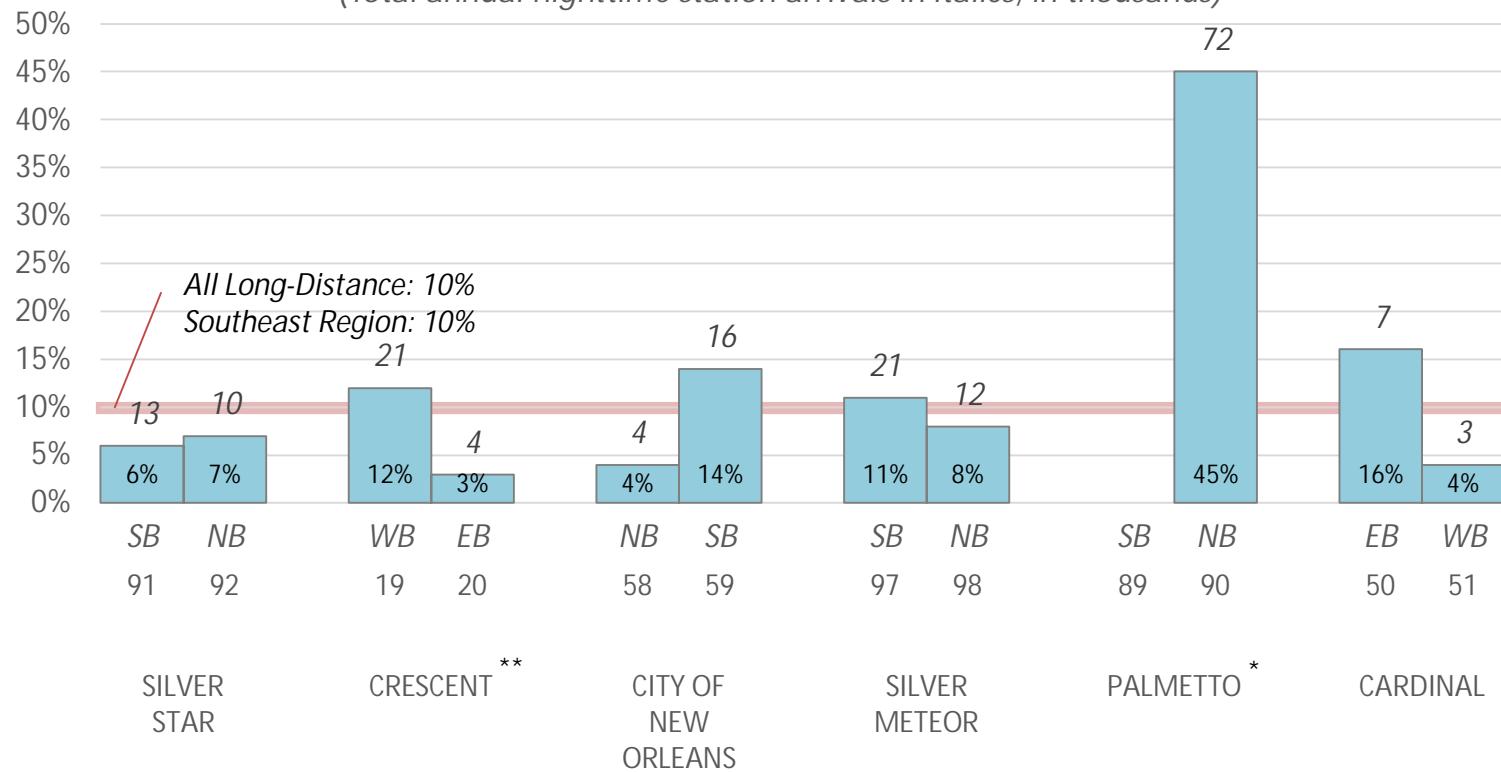


Southeast Long-Distance Service and Performance

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*

Share of Riders by Nighttime ARRIVALS (2019)
(*Total annual nighttime station arrivals in italicics, in thousands*)



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

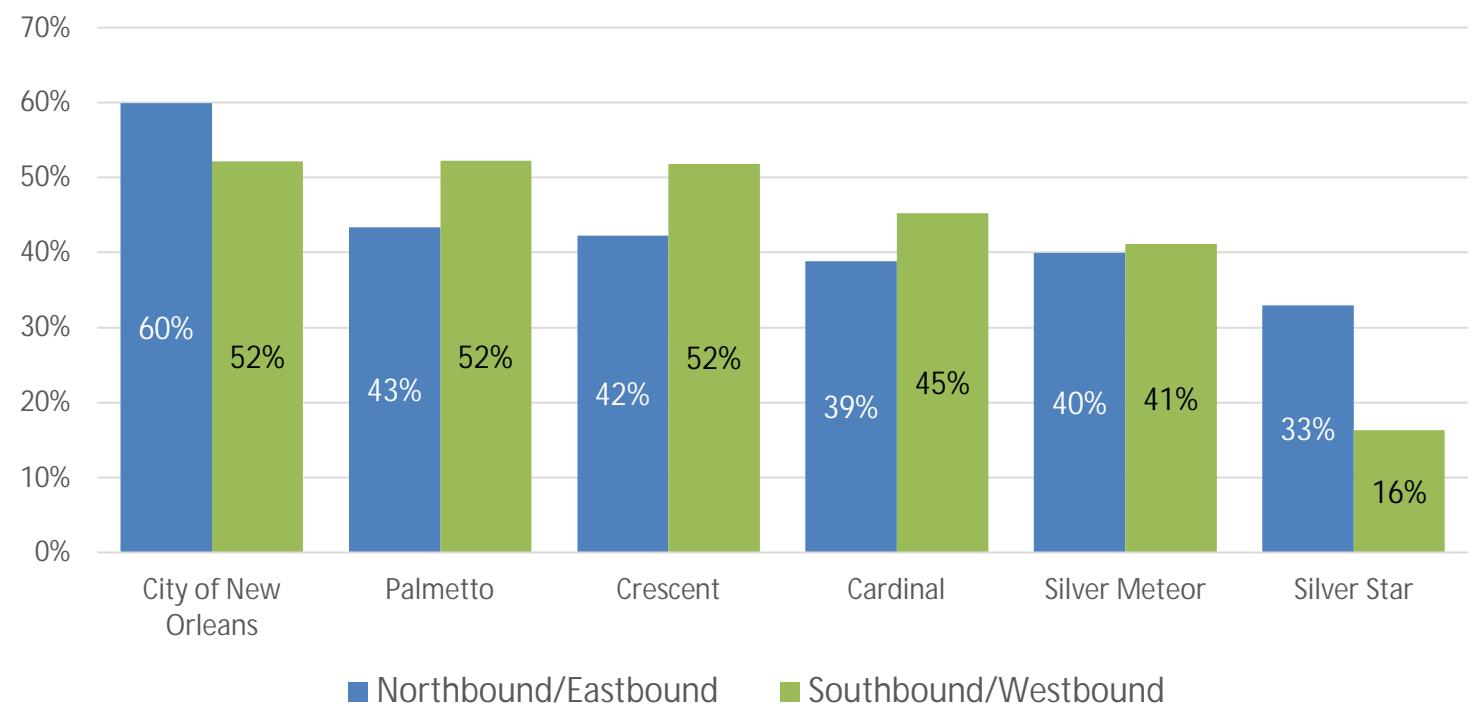
** Crescent: 2022 schedule update changed nighttime service

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

Customer On-Time Performance (2022)
Percent of Customers Arriving On-Time by Direction



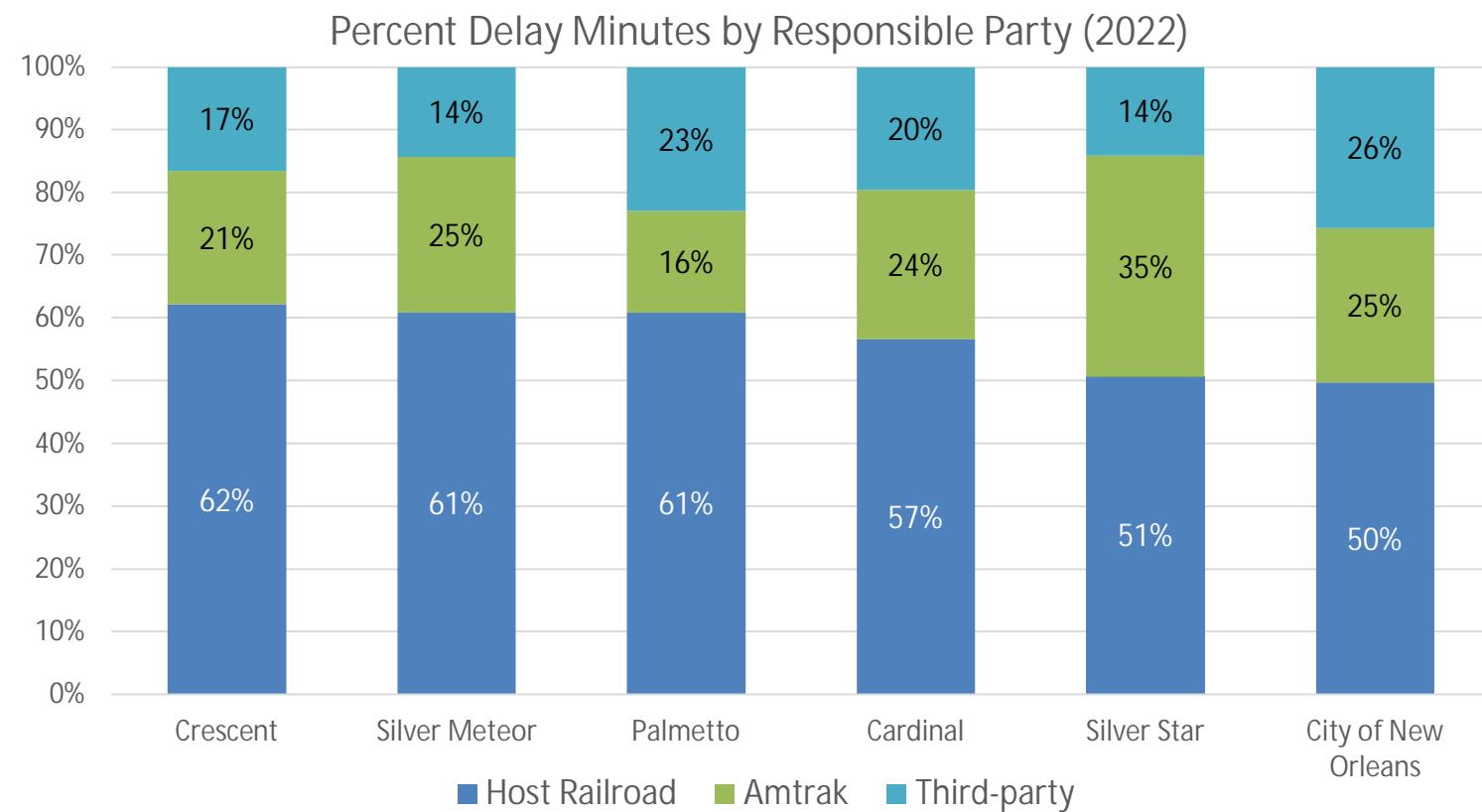
Source: Amtrak, Fiscal Year 2022. Performance data by route and station.
Note: Does not include Auto Train.

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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

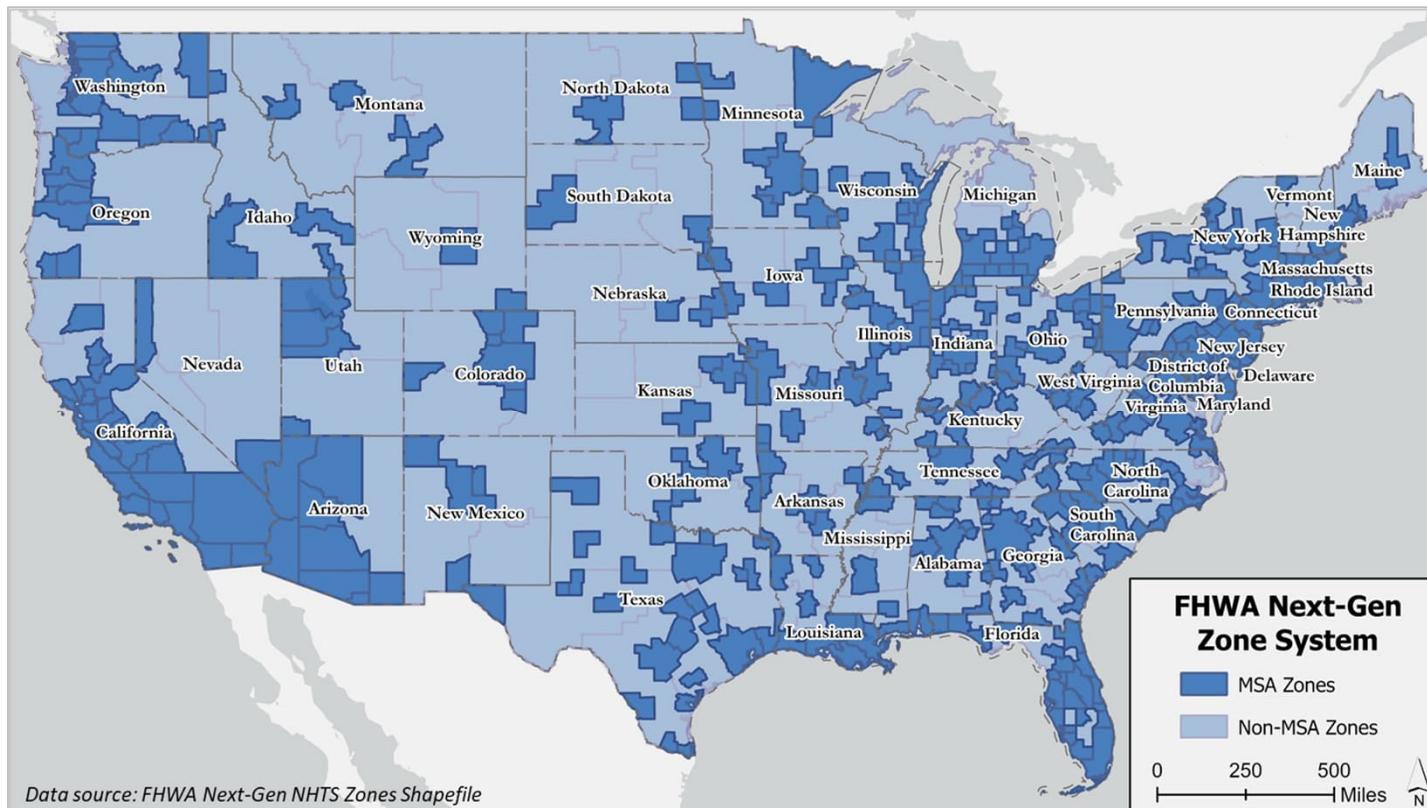
Smaller MSA

- 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

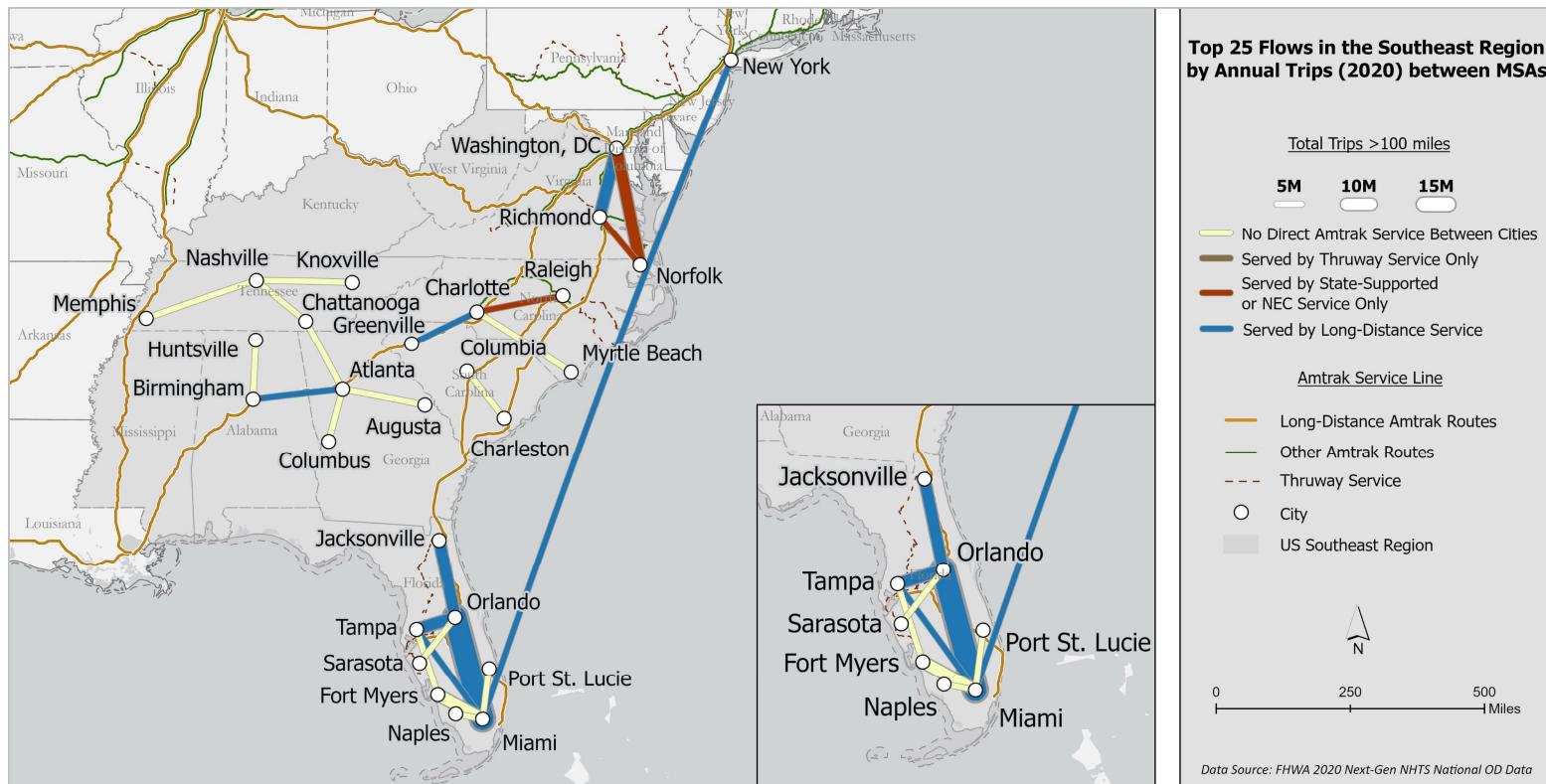
Southeast Region – Market Opportunities

- 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

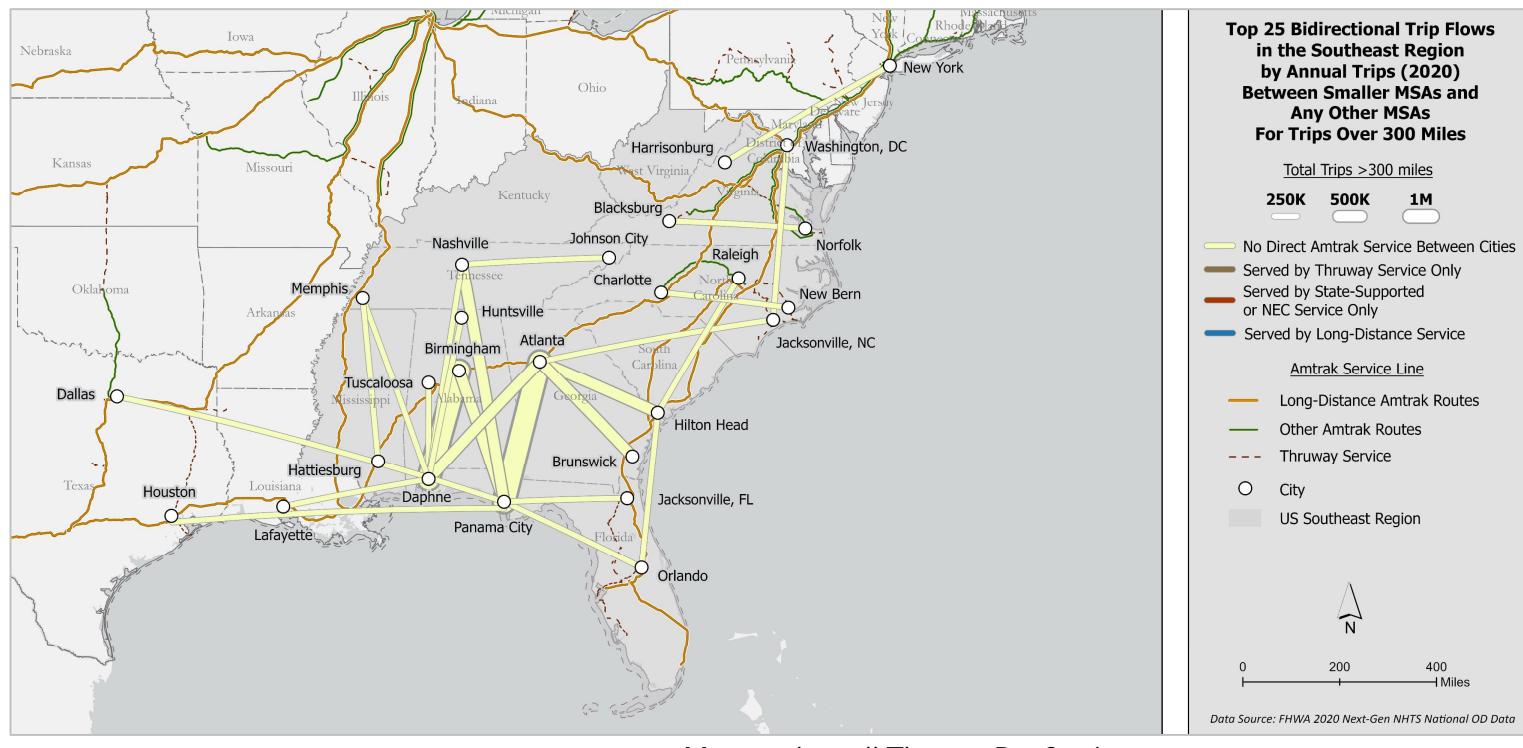
- Trip flows between MSAs with one trip end in an MSA in the Southeast Region
- Based on Next-Gen and showing total trips over 100 miles across all modes
- Trip flow colors indicate availability of Amtrak service between MSAs



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



Southeast Region – Current Amtrak O-D Pairs

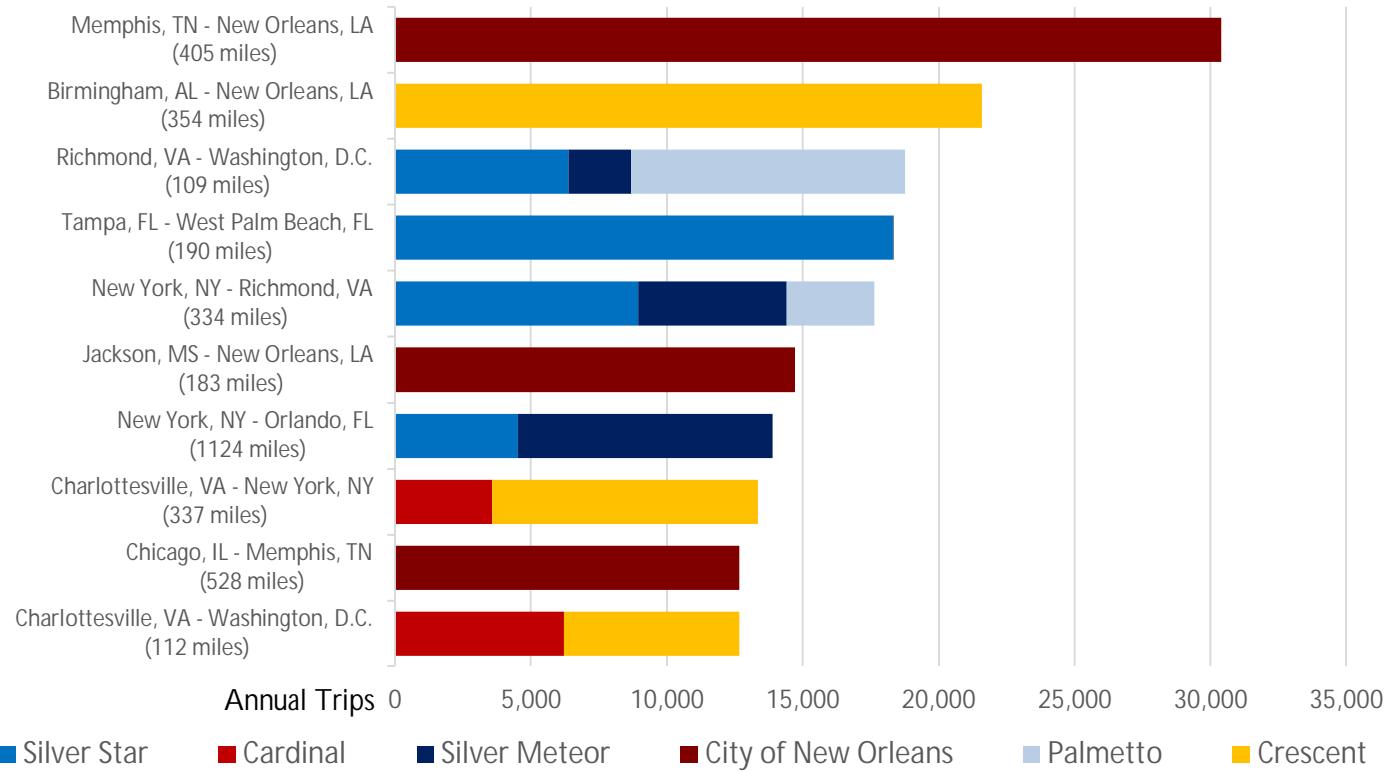
- The next few slides are based on Amtrak FY 2019 origin-destination (O-D) ridership data for rail trips over 100 miles in length on Long-Distance passenger trains
- The slides focus on top station pairs overall and on trips made between small communities

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)

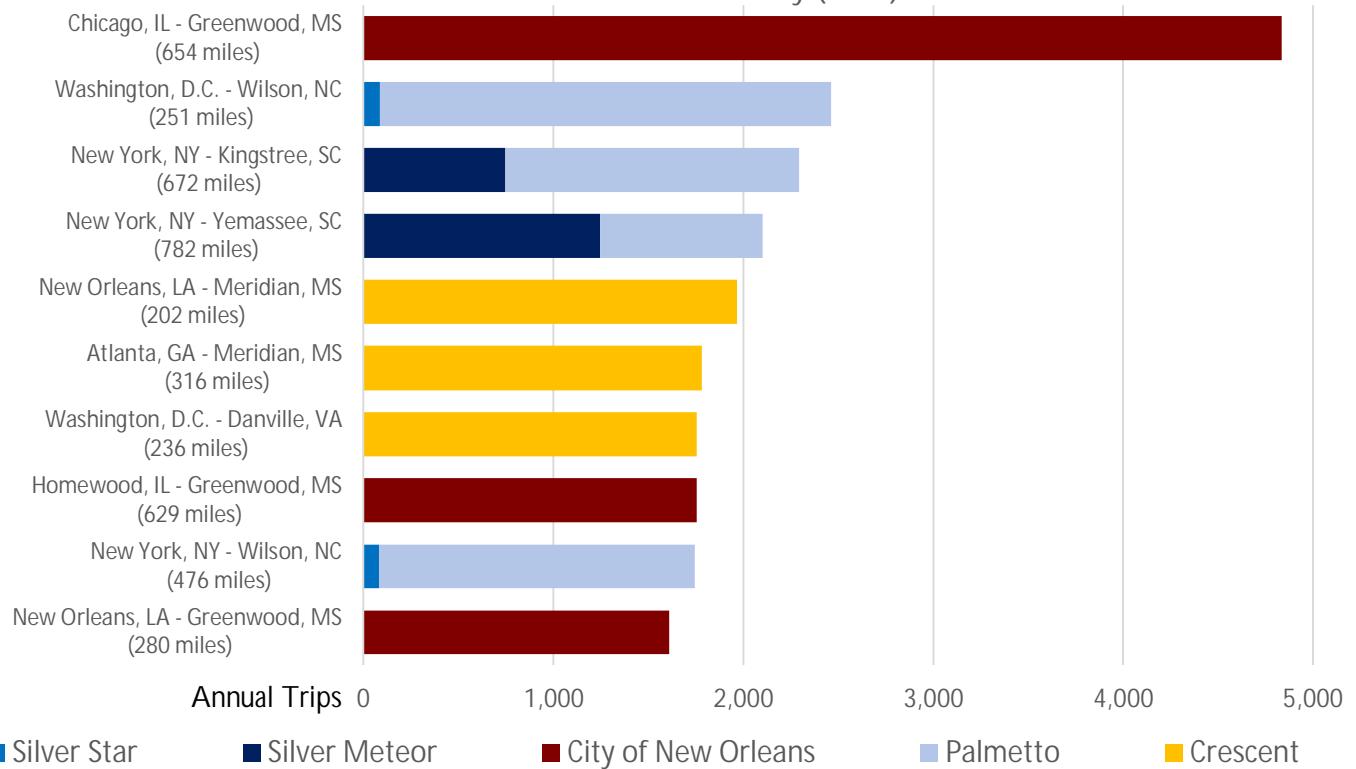


Southeast Region – Current Amtrak O-D Pairs

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)

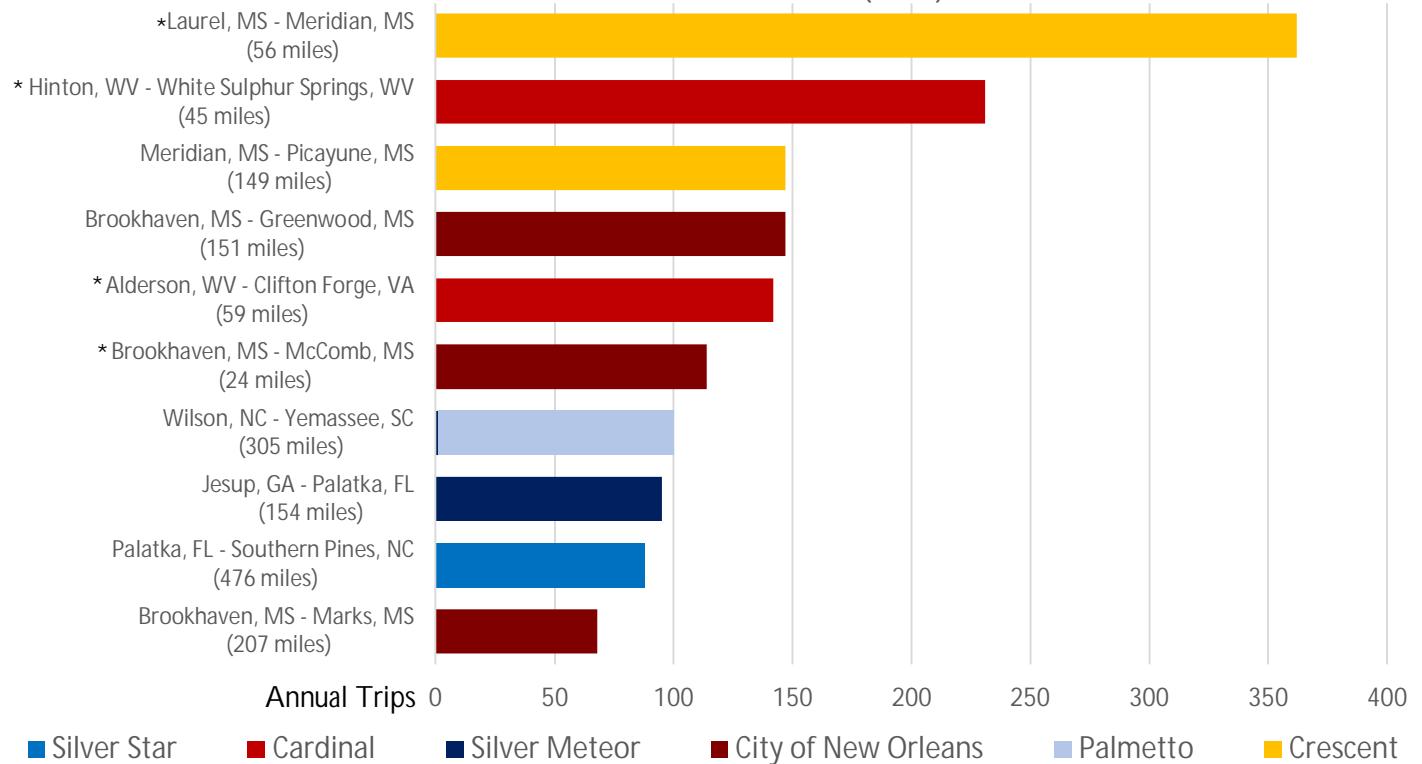


Southeast Region – Current Amtrak O-D Pairs

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

Top 10 Long-Distance Station Pairs by Volume of Annual Trips Connecting Two Small Communities (2019)



* 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*