ON THE BRINK:
2021 Outlook for the Intercity Bus Industry in the United States

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INTRODUCTION

The prognosis for the intercity bus industry remains uncertain due to the weakened financial condition of most scheduled operators and the unanswerable questions about the pace of a post-pandemic recovery. This year’s *Outlook for the Intercity Bus Industry* report draws attention to some of the industry’s changing fundamentals while also looking at notable developments anticipated this year and beyond.

Our analysis evaluates the industry in six areas: i) The status of bus travel booking through January 2021; ii) Notable marketing and service developments of 2020; iii) The decline of the national bus network sold on greyhound.com that is relied upon by travelers on thousands of routes across the U.S. Mainland; iv) Trends in bus fares versus those for air and rail travel; v) Legislative trends and service innovations; and vi) Conclusions and predictions about near-term developments likely to affect the industry.

Our seven principal findings presented below show that despite the challenges, signs of optimism are emerging that the intercity bus industry will move from “the brink” onto a more solid financial footing in post-pandemic times.

*Nightfall: Binghamton NY* by Can Pac Swire licensed by *CC BY-NC 2.0*
**FINDING 1.**
Bookings for bus travel ended 2020 at around 16% of the previous year in the Northeast and at 24 – 35% of the previous year in other parts of the country. Cash shortfalls will make the next five or six months a tumultuous time for scheduled bus lines, particularly those with asset-intensive business models. Optimism is nonetheless growing that a recovery will gather momentum by mid-summer.

Booking information provided to us by Transcor Data Services (TDS) shows the steep decline in bus ticket purchases throughout most of the United States in 2020 compared to 2019 (Figure 1). The gray lines represent 2019 sales, while the orange lines track 2020 sales (Figure 1). This information was compiled and aggregated from TDS’s clients, who operate in most areas of the country, but not all. Bookings are around 22 – 25% of 2019 levels in December for the country as a whole. The up-and-down cycle evident in the charts over successive dates reflects the tendency of bookings to be much lower during midweek (Tuesday, Wednesday and Thursday) than during the Friday - Monday period. The softness of demand in December is particularly evident.

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**FIGURE 1: Total Bookings for Bus Travel, Comparison versus Previous Year**

*This chart shows year-over-year changes in bookings observed by Transcor Data Service. This information was compiled and aggregated from TDS’s clients, who operate in most areas of the country, but not all. The chart shows December 2020 bookings are in the 20-25% range compared to those in the previous year, although much lower in the Northeast and higher in rest of the country. Credit: Terry Cordell, CEO, Transcor Data Services (TDS) via email on January 18, 2021. Please refer to Page 20 to see regional trends.*
Not all regions have performed the same. The Northeast and West regions, for example, have underperformed the rest of the country by a considerable margin, in part due to continuing public health mandates and restrictions in those areas. Bookings in those two regions rose steadily from April to September, but they only reached roughly 26.9% and 33.3% of 2019 levels respectively in September 2020 (Table 1). In the Midwest, Southeast, and Southwest, bookings rose more impressively, rising to around 36 - 38% of 2019 levels in September.

After September, however, bookings fell precipitously. The severity of the decline was particularly stark in the Northeast and West, where bookings fell by 11.4 and 9.2 percentage points, respectively, over the period. By December, bookings in the Northeast had fallen to just 15.5% of those from the previous year. Bookings were only marginally better, at 24.1%, in the West. (See month charts for each region on page 20).

We believe that January brought a modest rebound over December levels, and that traffic will gradually build through mid-summer, when a more robust recovery will occur. Summer will bring more seasonal demand, and vaccines are likely to have been widely administered to all age groups by that time (see our Conclusions and Predictions on Page 18).

<p>| TABLE 1: 2020 Bookings as a Share of 2019 Levels |
|-----------------|-----------------|------------------|</p>
<table>
<thead>
<tr>
<th>SEPTEMBER 2020</th>
<th>DECEMBER 2020</th>
<th>PCT. POINT CHANGE, SEPT. – DEC</th>
</tr>
</thead>
<tbody>
<tr>
<td>Midwest</td>
<td>36.9%</td>
<td>33.9%</td>
</tr>
<tr>
<td>Southeast</td>
<td>38.8%</td>
<td>34.0%</td>
</tr>
<tr>
<td>Southwest</td>
<td>38.5%</td>
<td>34.9%</td>
</tr>
<tr>
<td>West</td>
<td>33.3%</td>
<td>24.1%</td>
</tr>
<tr>
<td>Northeast</td>
<td>26.9%</td>
<td>15.5%</td>
</tr>
</tbody>
</table>

FINDING 2.

Although the pace of route development dramatically dropped due to the pandemic, intercity bus lines made a variety of strategic moves last year, including experimentation with new booking platforms and service enhancements. These innovations will likely accelerate as demand gradually rebounds.

Many carriers continue to operate dramatically reduced schedules and are only gradually adding back schedules as conditions improve, a process we will cover in future reports. Over the past 10 months, some have struggled to maintain continuity in operations and planning in 2020 after a sizeable proportion of their operators, mechanics, station personnel, and management were stricken with COVID-19. Despite such problems, numerous bus lines rolled out notable initiatives.

1. MAJOR PLANS ANNOUNCED FOR THE PORT AUTHORITY BUS TERMINAL.

The Port Authority of New York and New Jersey announced this month that it will reconstruct and expand the Port Authority Bus Terminal in Manhattan over the next ten years. The ambitious plan includes room to handle 30% more buses including electric buses and potentially automated buses. The plan also incorporates a terminal to be built west of the main terminal for intercity buses and ramps that connect to the Lincoln tunnel. The expansion will provide expanded capacity that reduces the number of intercity buses picking up and
dropping off curbside. The project still needs to undergo an environmental review and will likely not be complete until 2030 or later. The new terminal will be financed by agency funds, private investment, and yet to be approved federal funds.

2. MORE COACH USA ROUTES BEING SOLD ON MEGABUS.COM PLATFORM.

Megabus.com added several regional Coach USA-operated services to its Megabus booking platform. Moving these services to this online reservation platform helps support capacity control required by COVID and service planning.

Kerrville Bus operated several intrastate Texas routes sold on the Megabus.com platform on weekends and holiday periods starting in September, including trips from Houston to College Station and Prairie View (both home Texas A&M campuses) and San Marcos (Texas State). Kerrville also ran trips from Dallas to Austin (Texas), Waco (Baylor), College Station, and San Marcos.

ShortLine Bus operated a variety of intrastate New York routes on the platform from August to November, primarily during college breaks and holiday periods. The routes included New York to Alfred and Morrisville (both home to SUNY campuses) and Hamilton (Colgate University). ShortLine also operated limited New York - Binghamton - Ithaca schedules during breaks and holidays, filling a gap created by the suspension of its daily operations on that route.

3. ENHANCEMENTS TO HAMPTON JITNEY.

Notwithstanding the abrupt decline of leisure and commuter traffic to and from New York City, Hampton Jitney partnered with a niche travel provider, Rove, to launch a co-branded “Hampton Ambassador” service between Manhattan and the Hamptons in August. The luxury service operated from new stops on the far West Side of Manhattan, near Hudson Yards, and features enhanced onboard services, including a curated beverage menu and other amenities. A weekly Friday eastbound and Sunday westbound trip was made before the service was suspended due to COVID. Hampton Jitney also enhanced its Ambassador service in October by allowing passengers to pre-order bagels and delicacies from local purveyor Ess-A-Bagel to enjoy onboard or carry with them upon arrival. This represents a “win-win” for both companies, as it provides a new revenue source during trying times.

The company added in June a new stop in Farmingville, NY along with one of its existing North Fork Long Island-Manhattan routes. Aimed at commuters, this service provides passengers multiple departure options to and from Manhattan’s East Side daily. Hampton Jitney has been aggressive in online marketing. Part of its success has been customer reticence to use its competitor, the Long Island Rail Road (LIRR). LIRR has reduced service since the pandemic and is regarded by some as too crowded to be safe, especially on the three-hour journey from New York City to the Hamptons, Montauk, and the North Fork.

Colorado Department of Transportation initiated a new Bustang route between Craig, CO and Denver, CO in June, taking the place of a discontinued Greyhound Salt Lake City, UT - Denver, CO route. The daily round trip service makes a variety of stops, including Steamboat Springs, Hot Sulphur Springs, Granby, Winter Park, Idaho Springs, and the Denver Federal Center. This state-subsidized service is temporarily operated by Greyhound until a full transition to a local operator occurs later in 2021. Refer to our 2020 Outlook for more on Bustang.

5. St. George Express Rebranded as Salt Lake Express.

St. George Express, based in St. George, UT, was officially rebranded as Salt Lake Express, its sister company, in September. The move unifies the company’s network under the Salt Lake City Express name, stretching from Arizona to Montana, with extensive service as well in Idaho, Nevada, Utah, and Wyoming. In January 2021, Salt Lake Express also launched a new daily round trip between Jackson, WY and Salt Lake City, UT, eliminating the need to transfer in Idaho Falls, ID. Stops on that route include Alpine Junction, WY, Evanston, WY and Park City, UT.


Companies are finding new ways to fill empty seats amid the devastating effects of the pandemic. FlixBus and OurBus, for example, are hosting other service providers on their booking platforms while allowing these providers to retain their own branding and control over pricing, scheduling, and customer service. The booking platforms act purely as new sales channels and generate a commission for the hosts on each ticket sold.

OurBus added these services to its booking platform, none of which are branded as Ourbus:

- Select BestBus/DC Trails schedules between New York-Washington, DC and New York-Vienna, VA (began in March)
- MJM Travel Group/Silver Star Transportation schedules between New York and Woodbury Commons Mall (began in October, operates select days)
- Daytrip excursions by Superior Tours between metropolitan Baltimore and Atlantic City Casinos (offered in November)

FlixBus added these services to its booking platform, none branded as Flixbus:

- National Park Express service between the Las Vegas Strip and the Grand Canyon (select days, sold with through connections to Los Angeles and Phoenix)
- Wenatchee Valley Shuttle service from Seattle (Sea-Tac Airport) - Wenatchee Station, WA, with intermediate stops in Bellevue, North Bend, and Peshatin)
- Wanda Coach service from New York – Atlanta, with intermediate stops in Durham, Greensboro, and Charlotte, NC as well as Greenville, SC (daily service)
- OvRide service from New York – Mountain Creek Ski Resort, NJ, with multiple pick up locations in Brooklyn and Manhattan (operated select days).


Rapid Overland Express, “ROX”, launched a luxury coach service in July between Virginia Beach, VA and the Washington, DC area, with a stop at Pentagon City, VA, near Reagan National Airport. The new service, the brainchild of former Virginia State Senator and local businessman Jeff McWaters, was facilitated by a grant from the Virginia Beach
Development Authority. Complete with an onboard attendant, hot meals, and 2x1 seating, this service was patterned on premium services across the country, such as Vonlane. The two daily roundtrips provide a viable alternative to driving or flying from the coast. In August, ROX realigned its intra-state Virginia route network, launching service connecting Charlottesville to Virginia Beach and Washington, DC. Due to the pandemic, however, the company paused all regular line service in September and is currently only offering charter runs with its luxury vehicles. Please refer to our 2019 Outlook report for a summary of the many premium services operated throughout the county.

8. C&J BUS LINES NEW TERMINAL.
In November, C&J Bus Lines opened a new state-of-the-art facility in Seabrook, NH on the site of a former Sam’s Club. This facility replaces the company’s former terminal in Newburyport, MA. The property boasts an attractive terminal building and parking space for up to 800 vehicles. Passengers enjoy express service to Boston South Station and Logan Airport as well as direct service to New York City.

9. ANNOUNCED ROCKY MOUNTAINEER TRAIN ROUTE WITH MOTOR COACH CONNECTIONS
Rocky Mountaineer, the Canadian Vancouver-based tour train service is launching a U.S. service in August 2021 to operate twice weekly on a two-day schedule from Denver CO to Moab UT by rail, with direct connecting (fare-inclusive) buses connecting to Salt Lake City UT and Las Vegas NV. Other bus connections may be operated, and single tickets are available at super-premium fares, which include meals and a night in a hotel in Glenwood Springs each way. The service will operate through October and resume again in Spring 2022.

FINDING 3.
The national network of intercity bus schedules that is sold on Greyhound’s computer reservation system and website, which is supported by extensive interline and terminal-sharing arrangements, has markedly diminished in the past few years. The network’s problems predate the pandemic but are being magnified by tepid demand during the public health emergency. If the network further erodes, it could leave thousands of city pairs without any scheduled intercity transportation service.

The national intercity bus network offers travelers attractive connections over a coordinated network of routes encompassing a wide variety of connecting hubs. That network has been sustained by collaborations between independent bus lines. Each independent bus line apports revenues based on interline agreements and sells tickets through a computer reservation system (CRS) managed by Greyhound Line. This CRS is used by ticket agents at the carrier’s stations and those of partner lines as well as by the websites of these carriers. The platform uses algorithms that build itineraries using the schedules of more than 20 carriers. These "interlined" carriers use a common terminal at nearly all points at which passenger transfers are made.

Examples of small and mid-size bus lines that are part of this national network are Barons Bus, Burlington Trailways, Greyhound, Indian Trails, Jefferson Lines, Martz Trailways, Miller Transportation, New York Trailways, and Peter Pan. The network allows passengers to make bus trips, for example, from Columbus, Ohio to Des Moines, Iowa with a single ticket. This trip may involve
travelling by Greyhound to Chicago and then using Burlington Trailways for the rest of the journey. Passengers have a guaranteed connection, meaning that the bus lines involved have an obligation to re-accommodate them if they are unable to make the transfer due to a late arriving or cancelled bus, much as airlines do for their passengers.\(^4\)

The importance of having the network became evident during 2018 and 2019, when tens of thousands of immigrants purchased tickets (or had tickets purchased for them) at Greyhound stations for travel between the Texas/Mexico border areas and interior points throughout the country.\(^5\) In other cases, social service organizations bought tickets for immigrants using the greyhound.com website. These travelers made trips from El Paso, TX, Phoenix, AZ, and other cities near the border to places throughout the country, many requiring two or three transfers. The network allowed them to reach family and friends living in almost any city with more than a few thousand residents on the U.S. Mainland. (For analysis, see our 2020 Outlook report)

The network must offer customers a variety of choices involving well-timed connections to be truly effective. However, even before the pandemic traffic had become too thin to support service on many routes. The weakening of demand was due to a variety of factors, including:

- **Low gasoline pricing** and rising car ownership, which reduced demand on many local routes.
- **Perceptions that bus travel is undesirable** or unsafe, an image that in some instance was due to problems in neighborhoods in which bus stations are located. This has been magnified by concern among some travelers over a lack of customer service staff at terminals, particularly during a pandemic.
- **The high costs of operating terminals** in cities, which, in contrast to airports and train stations, often require bus lines to pay property taxes and incur other expenses not borne by these other modes.
- **Loss of traffic to express city-to-city operators**, such as Flixbus, Megabus, OurBus, and RedCoach, which are not sold on the greyhound.com platform. These carriers generally focus on point-to-point trips rather than those involving connections through centralized hubs.
- **Lack of state or federal policies—and lack of financial support—to assure a healthy mix of ground travel options between metropolitan areas**. Whereas explicit federal policies for the development of rail corridors and airports exist, no substantive policies are in place for the creation of a balanced transportation system of bus and rail service (or specifically for bus services) between major cities—a problem explored in a recent Transportation Research Board publication.\(^6\)
An example of how service degradation can affect the network occurred recently when Greyhound discontinued express service on the Chicago – Cincinnati, OH route. This resulted in sharply increased travel time for nearly all passengers booking travel on greyhound.com from Cincinnati to the Illinois hub and points beyond. Slower trips and longer wait times when making transfers push away “riders of choice” who have other mobility options at their disposal, further weakening the network.

To illustrate these effects, we estimated the degree to which bus lines encompassing the national network sold on the Greyhound CRS reduced schedules from early 2016 to February 2020, just before the pandemic. (A schedule is usually associated with a distinct schedule number and often involves multiple stops, akin to a numbered airline flight).

**FIGURE 2: Reduction in Daily Schedules, 2015 — early 2020**

Changes in daily bus operations in the five years leading up to the pandemic

<table>
<thead>
<tr>
<th>Small and mid-size carriers</th>
<th>Greyhound Lines</th>
</tr>
</thead>
<tbody>
<tr>
<td>-4.0%</td>
<td>-16.1%</td>
</tr>
</tbody>
</table>

This chart shows the reduction in schedules from 2015 to 2020, immediately prior to the pandemic on Greyhound and smaller and mid-size bus lines sold on Greyhound.com. A “schedule” is defined as a unique bus operation assigned a schedule number.

The number of daily Greyhound operations (schedules) fell by approximately 16%, whereas the mid-size and smaller carriers we evaluated reduced schedules by about 4% (Figure 4). A wide variation exists among the smaller carriers. Caution should be exercised in interpreting the Greyhound number since it is not possible to measure the number of “extra sections” the carrier operates, which can be considerable during the holidays. Nevertheless, these results leave little doubt that the system was diminishing even before the pandemic. This trend is illustrated by the diminishing size of the Russell’s Guide, a compilation of timetables comprised heavily of bus lines with interline agreements.

The pandemic has brought much more severe cuts, with some carries having cut schedules by 40% or more since the start of the crisis. As schedule flexibility falls, the risk grows that the network loses its critical mass, denying Greyhound and its interline partners the traffic densities they need to sustain both local and express service on many routes. This could be driving more traffic away, as noted in Finding 5.

**FINDING 4.**
The duration of trips on the intercity bus network has lengthened markedly over the past several years as a result of schedule cuts before and during the pandemic. On 186 routes we evaluated in which the network is critical due to the lack of direct express coach or Amtrak service, the length of the average trip increased by more than an hour between 2016 to 2021. On more than a quarter (26%) of these routes, the trip is now two hours longer due to the need to make more stops and accept longer wait times at transfer points.

We measured how the duration of trips changed on 186 routes over the past five years to assess the effects of the schedule cuts on travel times. Our sample consists of routes in which the national intercity bus network offers the only scheduled ground travel option available that does not require “mixing modes” (such as transferring from trains to...
buses). We recorded the fastest trip option available on greyhound.com departing between 7 a.m. and 8 p.m. on a Friday in May 2016 to Friday, January 29, 2021.

Each of the 186 routes in our sample:

- **Links two metropolitan regions**, each having populations greater than 500,000.
- **Involves a trip 150 – 400 miles**, based on highway miles.
- **Lacks other scheduled ground travel alternatives**, such as direct express coach (e.g., Megabus) or Amtrak service. (Some of the routes have Amtrak Thruway service, which combines bus and train travel).

All of the routes in the sample can be comfortably driven between three and eight hours, including allowances for brief stops. Examples of routes in the sample are Cleveland, OH – Scranton, PA; Kansas City, MO – Wichita, KS; and Las Vegas, NV – Bakersfield, CA.

The results show that the mean (average) travel time rose on these routes from about 6 hours 14 minutes (433.5 minutes) to 7 hours 26 minutes (506.2 minutes), an increase of 72.7 minutes. That represents a 16.8% increase over the five year period (Table 2). The median travel time rose by almost an hour (55 minutes, or 12.8%). The increases were partially due to an increasing number of stops, which (when transfer points are included) rose from an average of 4.9 to 5.5 (12.6%), as well as the need to make more transfers.

These changes have made bus travel too slow or tedious to be considered a workable option for many travelers. The number of routes with more than six stops rose from 47 to 55 (17.0%), while the number of routes in which travel time exceeded ten hours more than doubled from 21 to 50 (a 138% increase). The number of routes requiring more than 15 hours of travel—a length nearly all passengers with other options would consider unacceptable—rose from two to 10.

**TABLE 2: Degradation of Intercity Bus Service on 186 Routes without Daily Express Coach or Amtrak Service**

<table>
<thead>
<tr>
<th>Schedule Comparisons 2016 versus 2021, Routes 150 - 400 miles</th>
<th>2016</th>
<th>2020</th>
<th>CHANGE</th>
<th>% CHANGE</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mean travel time (minutes)</td>
<td>433.5</td>
<td>506.2</td>
<td>72.7</td>
<td>17%</td>
</tr>
<tr>
<td>Median travel time (minutes)</td>
<td>430</td>
<td>485</td>
<td>55</td>
<td>13%</td>
</tr>
<tr>
<td>Average number stops</td>
<td>4.9</td>
<td>5.5</td>
<td>0.6</td>
<td>13%</td>
</tr>
<tr>
<td># Routes &gt; 10 hours</td>
<td>21</td>
<td>50</td>
<td>29</td>
<td>138%</td>
</tr>
<tr>
<td># Routes &gt; 6 stops</td>
<td>47</td>
<td>55</td>
<td>8</td>
<td>17%</td>
</tr>
</tbody>
</table>

The frequency of routes with different travel time changes appears in Figure 3. About one in six routes (14.5%) had a travel time improvement of 15 minutes or more. Unfortunately, more than four times as many (56.9%) had travel time degradation in this range. The deterioration of service is even more significant on roughly four in ten routes (40.8%), in which travel times grew by an hour or more. On a quarter of routes (25.3%), travel time increased by two hours or more. Thirty-five routes (19%) experienced travel time increases of three hours or more (Table 3). The largest increase
occurred in the Jacksonville – Ft. Myers, FL route. Travel time on this route grew from 10 hours 20 minutes to more than 22 hours due to the lack of viable connections. Raleigh, NC – Knoxville, TN saw travel time increase from 8 hours 20 minutes to more than 18 hours. Among the routes that had travel time improvements were Raleigh, NC – Charleston, WV and Nashville, TN – Little Rock, AK. In both cases, travel times dropped by two hours and 55 minutes. Regrettably, such success stories are comparatively few in number.

Some of the results may reflect the peculiarities of schedules on the particular days we evaluated. Moreover, none of the routes in the sample are major corridors. Most major corridors continue to have (or will have after the pandemic) high quality bus service. Nevertheless, these results show why passengers who are traveling on secondary routes may now think twice before going by bus.

Such schedule deterioration is detrimental to the traveler experience and could delay the pace of recovery for the intercity bus industry. If bus lines add back schedules in response to strengthening demand as the pandemic eases, some of these degradations could be reversed. The prospect of this, however, is unclear.

A RedCoach departure to Tallahassee, operated with a business-class coach, is in the file stages of boarding in Orlando, FL.
These results illustrate the need for governmental assistance to address the network’s precarious condition. The risk is acute that bus lines that are part of the network could dramatically downsize (or even shut down entirely), which would hurt marginalized populations, the elderly, those living in smaller towns and cities, and those who cannot (or choose not to) drive.

The Greyhound CRS is the only booking platform with built-in capability to connect thousands of points across the United States by bus involving itineraries supported by comprehensive interline agreements. Many booking sites, including wanderu.com and busbud.com, rely on interfaces with greyhound.com to support many of their customer offerings. These sites have been critical to making bus travel more attractive and convenient, but neither they, nor Amtrak.com, megabus.com, or any other existing booking site could fill the void if the wide array of routes sold on the Greyhound reservation system sharply diminished (Table 4).
## 2016 to 2021, Pandemic Schedules

<table>
<thead>
<tr>
<th>RANK</th>
<th>ORIGIN</th>
<th>DESTINATION</th>
<th>MILES</th>
<th>2016 TIME</th>
<th>2021 TIME</th>
<th>INCREASE IN MINUTES</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Jacksonville, FL</td>
<td>Fort Myers, FL</td>
<td>317</td>
<td>10h 20m</td>
<td>22h 30m</td>
<td>730</td>
</tr>
<tr>
<td>2</td>
<td>Raleigh, NC</td>
<td>Knoxville, TN</td>
<td>365</td>
<td>8h 20m</td>
<td>18h 45m</td>
<td>625</td>
</tr>
<tr>
<td>3</td>
<td>Birmingham, AL</td>
<td>Little Rock, AR</td>
<td>374</td>
<td>9h 20m</td>
<td>16h 50m</td>
<td>450</td>
</tr>
<tr>
<td>4</td>
<td>Saint Louis, MO</td>
<td>Madison, WI</td>
<td>360</td>
<td>10h 0m</td>
<td>17h 15m</td>
<td>435</td>
</tr>
<tr>
<td>5</td>
<td>Pittsburgh, PA</td>
<td>Buffalo, NY</td>
<td>215</td>
<td>5h 45m</td>
<td>12h 40m</td>
<td>415</td>
</tr>
<tr>
<td>6</td>
<td>Louisville, KY</td>
<td>Youngstown, OH</td>
<td>388</td>
<td>9h 20m</td>
<td>15h 40m</td>
<td>380</td>
</tr>
<tr>
<td>7</td>
<td>San Jose, CA</td>
<td>Fresno, CA</td>
<td>152</td>
<td>3h 20m</td>
<td>9h 25m</td>
<td>365</td>
</tr>
<tr>
<td>8</td>
<td>Pittsburgh, PA</td>
<td>Rochester, NY</td>
<td>284</td>
<td>8h 40m</td>
<td>14h 25m</td>
<td>345</td>
</tr>
<tr>
<td>9</td>
<td>Philadelphia, PA</td>
<td>Youngstown, OH</td>
<td>365</td>
<td>8h 40m</td>
<td>14h 20m</td>
<td>340</td>
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<tr>
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<td>Buffalo, NY</td>
<td>Dayton, OH</td>
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<td>15h 10m</td>
<td>325</td>
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<tr>
<td>11</td>
<td>Orlando, FL</td>
<td>Fort Myers, FL</td>
<td>163</td>
<td>6h 5m</td>
<td>11h 30m</td>
<td>325</td>
</tr>
<tr>
<td>12</td>
<td>Nashville, TN</td>
<td>Greenville, SC</td>
<td>347</td>
<td>7h 50m</td>
<td>13h 5m</td>
<td>315</td>
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<tr>
<td>13</td>
<td>Indianapolis, IN</td>
<td>Knoxville, TN</td>
<td>361</td>
<td>9h 0m</td>
<td>14h 5m</td>
<td>305</td>
</tr>
<tr>
<td>14</td>
<td>Indianapolis, IN</td>
<td>Akron, OH</td>
<td>299</td>
<td>7h 0m</td>
<td>11h 55m</td>
<td>295</td>
</tr>
<tr>
<td>15</td>
<td>Buffalo, NY</td>
<td>Allentown, PA</td>
<td>355</td>
<td>9h 25m</td>
<td>14h 10m</td>
<td>285</td>
</tr>
<tr>
<td>16</td>
<td>Las Vegas, NV</td>
<td>Oxnard, CA</td>
<td>325</td>
<td>7h 25m</td>
<td>12h 5m</td>
<td>280</td>
</tr>
<tr>
<td>17</td>
<td>Rochester, NY</td>
<td>Allentown, PA</td>
<td>290</td>
<td>7h 45m</td>
<td>12h 25m</td>
<td>280</td>
</tr>
<tr>
<td>18</td>
<td>Cleveland, OH</td>
<td>Scranton, PA</td>
<td>377</td>
<td>10h 55m</td>
<td>15h 30m</td>
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<tr>
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<td>Youngstown, OH</td>
<td>347</td>
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<td>12h 40m</td>
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<tr>
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<tr>
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<td>360</td>
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<td>13h 25m</td>
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FINDING 5:
Intercity buses remain the least expensive travel option on the vast majority of the country’s major routes. The budget stretching benefits of bus travel are greatest for those buying tickets only a few days before departure, particularly during holiday periods. Persistently low air and rail fares, however, has posed an increasing threat on mid-distance and longer-haul routes.

The importance of intercity bus service in providing affordable transportation options to those with limited economic resources (as well as the value it provides to other types of travelers) is evident in our newly collected data for the cost of travel in late November and early January 2021 (Figure 4). This analysis identified the lowest fares available for air, bus, and rail travel for trips departing during daytime hours (8:30 a.m. – 4 p.m.) in a stratified sample of 20 heavily traveled routes ranging from 100 - 525 miles (via highway) in length. See the inset box for details of our sampling process.

Bus fares for tickets bought three days in advance were consistently below those for Amtrak and almost always well below airline travel, although the gap between bus and the other modes has narrowed since November. Prices of tickets bought only a few days before departure are particularly important for bus travelers, as the vast majority book at most a few days before their trip.

Average bus fares remained relatively stable in the $38 - $42 range over the five periods we observed. Average train (Amtrak) fares fluctuated to a higher degree, but never cumulatively fell below bus fare.
This chart shows the average fare on 20 routes over the past three months by booking date. Intercity bus fares were lowest in all periods evaluated. Amtrak fares rose appreciably for booking during holiday periods, which is shown with shading. Airfares, while much higher, have gradually come down in recent weeks.

The monetary savings from bus travel are greatest during holiday periods, when Amtrak tends to engage in premium pricing more aggressively than bus lines.

Our analysis shows that bus fares:

- **During the Christmas holiday averaged $13 (25%) less than train tickets** for three day advance purchase buyers and $7 (14.6%) less for 10-day advance purchase buyers.
- **Over all five periods, averaged $6 (16.1%) less than train tickets** for three day advance purchase buyers and $5 (12.2%) less for 10-day advance purchase buyers.
- **Are only a small fraction of air fares**, with one-way savings during each time period observed as more than $75, and in many cases more than $120.

Passengers board and alight the westbound California Zephyr at Galesburg, IL station, a multimodal hub also served by Burlington Trailways, which offers Amtrak Thruway connections to Bloomington-Normal, IL and other points.
The upper bound on bus fares tends to be relatively low. The most expensive “lowest fare” observed during any of the five periods evaluated was a $91 Greyhound ticket booked three days in advance for travel on Saturday, November 28, during the Thanksgiving holiday. That fare was for the Denver, CO to Salt Lake City route, a 510 mile trip, making it the longest route in the sample. Although Greyhound had no direct bus or rail transportation competition on the day we observed (as Amtrak is tri-weekly), it still charged less than 18 cents per mile, which is below the variable cost of driving a medium sedan (gas, tire wear and other operating costs).

The growing tendency for discounted airfares available for last minute buyers is less favorable for bus travel. This tendency is made evident by the downward trend in three day advance purchase airfares shown in Figure 4. As recently as 2017, it was rare for “walkup” airfares to be priced comparatively to fares for bookings a week or two in advance. The pandemic has made these “walkup” discount airfares less rare. Fewer travelers whose preferred option is flying are now likely to default to buses due to issues of affordability.

**FINDING 6:**
Amtrak is proving to be a particularly vigorous competitor to bus lines during early 2021. Those booking trips 10 days in advance will find fares on the passenger railroad below those for bus travel on about a third (35%) of the routes evaluated. This vigorous discounting is partially in response to Amtrak’s diminished schedule frequency in many corridors.

The Boston – New York route illustrates the intensity of competition provided by Amtrak. On this 215 mile corridor, the lowest Amtrak fare for a passenger buying a ticket on January 4, 2021 for a trip three days later was $58. That fare made travel by train nearly twice as expensive as the $30 bus fare for the
same travel corridor. However, an Amtrak passenger who booked a ticket on that same date for a trip 10 days in advance was offered a $39 fare, just $9 more than the cheapest bus ticket (which remained $30). This “airline style” pricing appears to target passengers who book ahead, which likely accounts for a large share of the market during the pandemic. Considering that most Amtrak trips are faster than motorcoach trips on this route (even without upgrading to Amtrak Acela service), such discounted train fares could weaken a post-pandemic recovery of bus traffic. Indeed, Amtrak’s promotional fares in the Northeast have garnered much attention.

Throughout our data, we found that train fares tend to be much more closely priced to bus fares for buyers who book well in advance. In early January 2021, the percentage of the 20 routes in which bus travel was the least expensive fell to 60 - 65% for trips purchased 10 days ahead of departure. That is the lowest rate observed in the entire sample (Figure 5). These results contrast sharply with those from around the Thanksgiving and Christmas holidays, during which bus travel booked 10 days in advance was cheapest on 85% and 80% of routes, respectively.

We believe that the heightened price competition from Amtrak in recent months is the result of both the soft demand conditions that characterize this time of year and the continuing effects of the second wave of the pandemic. Amtrak’s liberalized rules on ticket changes and cancellations further nullify some of the advantages of bus lines, many have generally made it easy to change tickets.

We anticipate that by summer Amtrak will use its yield-management system to push prices upward, restoring the larger gap between train and bus fares that existed prior to the pandemic. The degree to which this occurs, however, will depend on whether Amtrak restores daily service on long distance routes and returns short- and medium-distance service to pre-pandemic levels.

**FIGURE 5: % of Routes in which Bus Fares are lower than Air and Rail Fares**

*20 Prominent Routes in 100 – 525 mile range*

This chart shows the percentage of the 20 routes sampled in which bus travel was the lowest cost option available under different advance purchase scenarios. The percentage fell to 60 - 65% for tickets bought 10 days in advance in early January, largely due to steep Amtrak discounting.
The Coronavirus Economic Relief for Transportation Services Act, enacted in late December 2020, provides temporary relief for the ailing intercity bus industry. The amount of financial support set aside for the motorcoach industry in this legislation however, is relatively meager. Additionally, it does not address the more systemic problems facing the sector, many which emerged even before the pandemic and are have now reached crisis proportions.

The $2 billion set aside mostly for motorcoach operators in the Coronavirus Economic Relief for Transportation Services (CERTS) Act is far short of the $10 billion the American Bus Association (ABA), United Motorcoach Association, and others advocated. The funding does come at a pivotal time. It will partially close a financial gap that has left many bus lines teetering on a financial cliff. Some operators, such as the Coach USA unit Lakefront Lines and several suburban operators have already closed, and if more follow suit it could cripple mobility for vulnerable segments of society.

The $2 billion will be divided among many different sectors, including private school bus operators, charter buses, tour operators, scheduled bus lines, and private commuter lines. Private passenger carrying vessels (e.g., ferries) are also included, further dividing the available funds. Funding will likely come in the form of both grants and loans, although critical details are not yet clear.

To appreciate the mismatch between the $2 billion provided and actual needs, consider that based on our estimates the revenue loss for scheduled intercity bus lines alone could exceed $1.5 billion during the first year of the pandemic. Additionally there will be further losses in Pandemic Year 2. Passenger airlines have received (or are set to receive) more than ten times as much direct support as all types of over-the-road bus operators combined. Billions more have been awarded to airports and airport contractors. Amtrak has also received extensive supplemental funding, although its financial woes resulted in the temporary reduction of many long distance train schedules from daily to tri-weekly in October 2020.

The $10 billion requested would have been more in line with the support provided to other modes than the modest sum provided in the CERTS Act. As Mike Weinman of PTSI Transportation noted, the funding shortfall could be partially due to intercity buses being "out of sight, out of mind" for many legislators in Washington.

On a more favorable note, federal and state support for rural and tribal intercity bus services, including that provided through the Federal 5311(b) program, have continued through the pandemic. This has allowed many secondary routes, particularly those serving urbanized areas with populations less than 200,000, to continue. The development of these routes depends heavily on the strength of the national bus network, as described in Finding 5.
CONCLUSIONS AND PROGNOSTICATIONS

The intercity bus industry’s long-term place on the country’s transportation landscape, despite the present challenges, seems secure. The near-term outlook, however, is less sanguine. We expect the following for the remainder of the year and into 2022.

PREDICTION #1.
A move by a major carrier (or perhaps some combination of smaller carriers), to dramatically downsize service, or even shut down entirely, and dispose of equipment will occur unless a more favorable set of policies emerge from Washington.
Although we are bullish about the sector’s long-term potential, we are concerned about the near term and believe that the flow of red ink could trigger a major downsizing event. This could be forestalled if the Biden Administration sets into motion a more assertive federal response to the industry’s financial losses, but the prospects for that remains unclear.

PREDICTION #2.
A recovery in traffic will start around mid-July, when travel demand typically is near its summer peak, air and rail fares rise in response to seasonal demand, and vaccines are widely administered to all age groups.
Almost all universities should return to in-person classes by late summer, and we expect to see renewed life in the central business districts of major cities—the lifeblood of many intercity bus services. Although demand will not likely return to levels approaching pre-pandemic levels for several years, the warmer months will bring back a sense of normalcy to a beleaguered industry. We believe summer bookings could rise toward 60 percent of pre-pandemic levels by the end of summer, roughly twice the rate today. The financial strain facing bus companies will continue, but conditions, thankfully, will have greatly improved.

PREDICTION #3.
Pro-rail policies of the Biden Presidency will foster enhanced coordination between intercity bus and Amtrak services.
Amtrak has devoted considerable resources to developing the Amtrak Thruway system prior to the pandemic, with particularly impressive programs in place in California, Michigan, Oregon, and other states. Indeed, much of the success of the Amtrak Thruway network has been due to state direction and investment. The Thruway system, however, has yet to reach its potential. Due to the profound effects of the pandemic, and President Biden’s anticipated support for both Amtrak and public transit, more forceful efforts to leverage the combined strength of the bus and rail systems seem probable. Funding for new and enhanced downtown terminals and intermodal transportation centers, more incentives to provide bus routes into underserved areas, and more aggressive use of buses to complement Amtrak service in corridors could be in the offing.
PREDICTION #4.
Flixbus, Greyhound, and Megabus will accelerate efforts to expand their booking platforms by adding the services of other carriers that operate as independent brands, including new publicly funding routes to rural and mid-size communities.

We anticipate that Greyhound, Megabus, and Flixbus will work aggressively to add more services to their booking platforms through partnerships with smaller carriers that operate under separate brand identities. Greyhound has long been doing this, and Megabus and Flixbus took notable steps in this direction in 2020. We expect that more such additions are to come, including new publicly funded services. Funding for service to rural communities and small cities appears poised to expand (and, in fact, needs to expand) as the result of the financial difficulty of sustaining routes in a world forever changed by COVID-19. Megabus’s addition of the Virginia Breeze, a state-supported service enjoying great success prior to the pandemic, provides a glimpse of the enhanced integration we expect to become more common. Booking aggregator sites such as BusBud and Wanderu, meanwhile, will continue to innovate and develop new ways to promote services that have in the past suffered from a lack of brand awareness.

PREDICTION #5.
There will be more aggressive expansion by “asset-light” brands such as FlixBus and OurBus, which employ business models that give them more versatility.

Although the entire industry has suffered enormously during the pandemic, carriers that outsource their operations, such as Flixbus and OurBus, are in a somewhat better position to respond rapidly to post-pandemic changes in demand. We anticipate that the presence of these carriers will continue to grow across the country, in some cases filling the void left by more traditional carriers that have downsized.

Regardless of whether or not all or some of our predictions come true, the next year will be a pivotal time for the industry.
REGIONAL BOOKINGS

This chart shows year-over-year changes in bookings observed by Transcor Data Service. This information was compiled and aggregated from TDS’s clients, who operate in most areas of the country, but not all.

US REGION: MIDWEST

US REGION: SOUTHEAST

US REGION: SOUTHWEST

US REGION: WEST

US REGION: NORTHEAST
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Would you like to join our intercity bus listserv? We send approximately 8 – 10 emails annually (no spam). Contact chaddick@depaul.edu or call 312.362.5731.

Photo captions and credits for cover photos can be found through this report except the bottom center photo. We include the latter photo, taken at a bus top at an international airport, to illustrate the global effects of the pandemic on bus travel.
**Making Connections: 2020 Outlook for the Intercity Bus Industry in the United States**
*January 30, 2020*

Our analysis of the state of the intercity bus industry in 2019 highlights notable service changes and includes an interactive map of premium service routes.

*March 2020*

Our analysis of the evolution of regionally focused intercity bus networks highlights the New York City to Washington, DC corridor.
REFERENCES


* study with free download available on the publications page at chaddick.depaul.edu

ENDNOTES

1 ROX’s new Virginia Beach service was suspended in August, 2021 due to COVID-19.
2 We thank the staff at PTSI Transportation for this insight.
3 The new route, from Denver to Craig, like several of Bustang’s routes, is a recreation of a former Denver & Rio Grande Western Railroad passenger service (in this case, the train known as the Yampa Valley Mail). We thank Mike Weinman at PTSI for this insight.
4 Bus travelers tend to provide few services when missing connections then airline travelers. In some cases, such as in cases of mechanical problems, airlines are required to provide hotels and meals, which is largely nonexistent for bus travelers.
7 RedCoach operates connecting service on this route with both business- and first-class buses.
8 See the American Bus Foundation’s s, available at https://www.buses.org/aba-foundation/research-summary/motorcoach-census-2019
9 We thank Mike Weinman at PTSI Transportation for assisting in editing this section and providing us his insights on January 27, 2021 amplify this point.”