

2021 URBAN MOBILITY REPORT

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The contents of this report reflect the views of the authors, who are responsible for the facts and the accuracy of the information presented herein.

Sponsorship

The authors would like to thank the Texas Department of Transportation and the National Institute for Congestion Reduction for sponsorship of the *2021 Urban Mobility Report*.

“As the *2021 Urban Mobility Report* shows, congestion levels in Texas and much of the rest of the country have rebounded to near pre-pandemic levels. In Texas, we continue to see the same underlying causes — a growing population and economy that is producing more passenger vehicle and truck traffic on roadways throughout the state. That’s why we’re focused on important initiatives such as Texas Clear Lanes to address the top chokepoints in our state’s largest metropolitan areas, as well as understanding the many facets of the traffic challenges we face. Studies such as the *2021 Urban Mobility Report* are an important tool in this effort as we continually work to improve mobility and safety on our roadways.”

— *Marc Williams, Executive Director*
Texas Department of Transportation

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A Quick Summary

Well, that was different.... In 2020, there were four unique congestion years in one.

1. There were the first couple months of “regular times.”
2. Then the shutdown period occurred when America flattened the virus curve — and the congestion curve.
3. The initial recovery in the summer when traffic and congestion began to return.
4. And then the “closer to normal” period hit in the fall when shorter rush hours returned to cities.

The trends were different at the regional level, but every area saw much more change than any other Report period. Congestion levels in early 2021 are at least a decade behind where they were in 2019.

It is not yet clear what the lasting effect of the COVID-19 pandemic will be on U.S. urban transportation systems. The mix of strategies that are deployed in urban America will be different for each region — better traffic operations; more travel options; new land development styles; more highways, streets, and public transportation; advanced technology will all play a role. Working from home, long an underappreciated solution, will certainly have a much bigger role after the pandemic experience.

The trends from 1982 to 2020 (see Exhibit 1) show that congestion was a persistently growing problem, until 2020, when congestion was different from city to city, road to road, and hour to hour.

- The “four congestion years” of 2020 took us on a ride from the present to the early 1990s, and back to the mid-2000s (see Exhibit 18). 2021 will see faster congestion growth than any time since 1982.
- Annual 2020 congestion costs and travel delay were about half of the 2019 problem — total congestion delay was like 1997, more than two decades ago. Per commuter cost was less than 1982 in constant 2020 dollars.
- Truck traffic volume did not decline nearly as much as passenger car traffic problems thanks to the increase in at-home delivery of essential goods and services.
- 2020 employment was down 9 percent (1) and traffic volume was down 18 percent from 2019 (2).
- The detailed speed data from INRIX (3), a leading private-sector provider of travel time information for travelers and shippers, has never been more important in understanding congestion.

Exhibit 1. Major Findings of the 2021 Urban Mobility Report (494 U.S. Urban Areas)

| Measures of... | 1982 | 2000 | 2019 | 2020 | The Crash |
|--|-------|-------|---------|-------|------------|
| ... Individual Congestion | | | | | |
| Yearly delay per auto commuter (hours) | 20 | 38 | 54 | 27 | -50% |
| Travel Time Index | 1.10 | 1.19 | 1.23 | 1.09 | -14 points |
| “Wasted” fuel per auto commuter (gallons) | 5 | 15 | 22 | 11 | -50% |
| Congestion cost per auto commuter (in 2020 \$) | \$640 | \$960 | \$1,170 | \$605 | -48% |
| ... The Nation’s Congestion Problem | | | | | |
| Travel delay (billion hours) | 1.7 | 5.1 | 8.7 | 4.3 | -51% |
| “Wasted” fuel (billion gallons) | 0.8 | 2.4 | 3.5 | 1.7 | -51% |
| Excess greenhouse gas emissions (million tons) | 8 | 25 | 36 | 18 | -50% |
| Truck congestion cost (billions of 2020 dollars) | \$1.8 | \$7 | \$20 | \$11 | -44% |
| Congestion cost (billions of 2020 dollars) | \$15 | \$77 | \$190 | \$101 | -47% |
| Travel volume (billion miles traveled) | 670 | 1,160 | 1,600 | 1,300 | -18% |

Yearly delay per auto commuter — The extra time spent during the year traveling at congested speeds rather than free-flow speeds by private vehicle drivers and passengers who typically travel in the peak periods.

Travel Time Index (TTI) — The ratio of travel time in the peak period to travel time at free-flow conditions. A Travel Time Index of 1.30 indicates a 20-minute free-flow trip takes 26 minutes in the peak period.

Excess fuel and greenhouse gas emissions — The amount beyond what would have been expected at free-flow speeds.

Congestion cost — The yearly value of delay time and wasted fuel by all vehicles.

Travel volume — Miles traveled by all vehicles during the year.

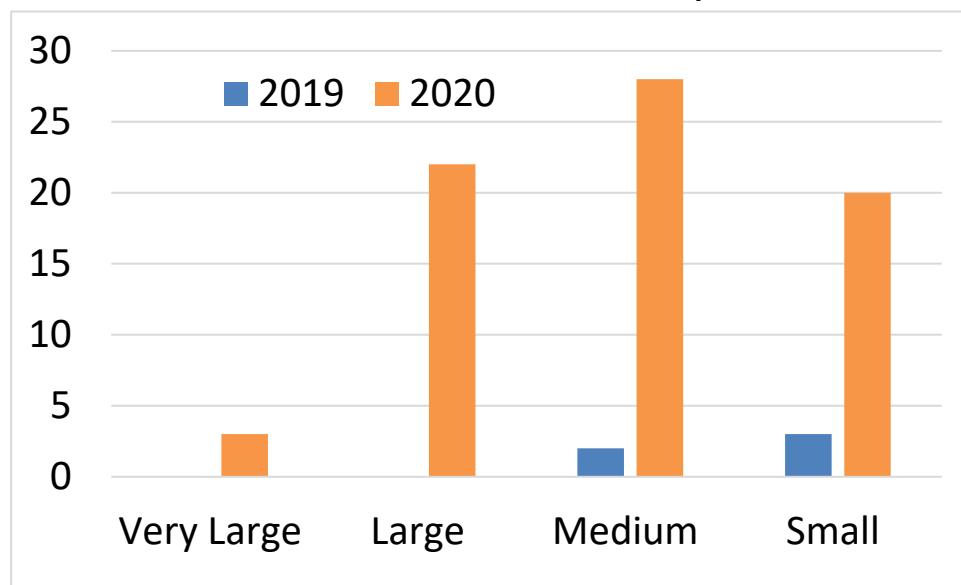
Urban Area Congestion Changes — 2019 to 2020

Rush-hour traffic jams are expected in big cities. When a large percentage of workers are on an 8 a.m. or 9 a.m. to 5 p.m. schedule, there will be travel delays on freeways, streets, and even public transportation. This results in several “rush hours” in the morning and afternoon.

When the COVID-19 pandemic upended this regular commute pattern, congestion went away for several months. As it has returned, the patterns are different, but the insight into the problems has also changed the solutions that are being considered.

The COVID-19 congestion changes were most evident in the travel delay per auto commuter statistic. There were only five areas with less than 30 hours of extra annual travel time for a commuter in 2019. There were 73 such regions in 2020 (Exhibit 2). The last time there were 73 regions under 30 was **1992**.

Exhibit 2. Urban Areas with Less Than 30 Hours Delay Per Auto Commuter



See data for your city at <https://mobility.tamu.edu/umr/congestion-data/>.

The 2020 congestion problem was much less than 2019 — it was also flatter. There was much less difference between the most and least congested urban regions. The traffic problems that did exist were spread over more hours of the day as travelers turned from rush hour commuters to midday shoppers and child transporters.

Exhibit 3 shows the historical congestion trend that until 2019 was a story of growing congestion. Even during the economic recession of 2008/9 there was no drop in total national travel delay. But 2020 congestion dropped by half — back to 1997 levels.

For more information and congestion data on your city, see: <https://mobility.tamu.edu/umr/>.

Exhibit 3. National Congestion Measures, 1982 to 2020

| Year | U.S. Jobs (Millions) | Delay Hours/ Commuter | Total Delay (Billion Hours) | Fuel Wasted (Billion Gallons) | Total Cost (Billions of 2020 Dollars) |
|-------------|---------------------------------|----------------------------------|--|--|--|
| 2020 | 143.8 | 27 | 4.3 | 1.7 | 101 |
| 2019 | 157.6 | 54 | 8.7 | 3.5 | 190 |
| 2018 | 156.2 | 54 | 8.6 | 3.4 | 188 |
| 2017 | 153.5 | 53 | 8.5 | 3.3 | 182 |
| 2016 | 151.4 | 52 | 8.3 | 3.3 | 175 |
| 2015 | 148.8 | 51 | 8.1 | 3.3 | 168 |
| 2014 | 146.3 | 49 | 7.9 | 3.2 | 166 |
| 2013 | 143.9 | 48 | 7.7 | 3.2 | 160 |
| 2012 | 142.5 | 46 | 7.4 | 3.1 | 153 |
| 2011 | 139.9 | 45 | 7.2 | 3.1 | 145 |
| 2010 | 139.1 | 44 | 6.9 | 3.0 | 135 |
| 2009 | 139.9 | 43 | 6.7 | 3.0 | 127 |
| 2008 | 145.4 | 42 | 6.6 | 3.1 | 129 |
| 2007 | 146.1 | 42 | 6.6 | 3.1 | 123 |
| 2006 | 144.4 | 42 | 6.5 | 3.0 | 117 |
| 2005 | 141.7 | 42 | 6.3 | 2.9 | 109 |
| 2004 | 139.2 | 41 | 6.1 | 2.8 | 101 |
| 2003 | 137.7 | 41 | 5.9 | 2.7 | 94 |
| 2002 | 136.5 | 40 | 5.6 | 2.6 | 88 |
| 2001 | 136.9 | 39 | 5.4 | 2.5 | 83 |
| 2000 | 136.9 | 38 | 5.1 | 2.4 | 77 |
| 1999 | 133.5 | 37 | 4.9 | 2.3 | 70 |
| 1998 | 131.5 | 36 | 4.6 | 2.1 | 65 |
| 1997 | 129.6 | 35 | 4.4 | 2.0 | 61 |
| 1996 | 126.7 | 34 | 4.2 | 1.9 | 56 |
| 1995 | 124.9 | 33 | 3.9 | 1.8 | 52 |
| 1994 | 123.1 | 32 | 3.7 | 1.7 | 47 |
| 1993 | 120.3 | 31 | 3.5 | 1.6 | 44 |
| 1992 | 118.5 | 30 | 3.3 | 1.5 | 40 |
| 1991 | 117.7 | 29 | 3.1 | 1.4 | 37 |
| 1990 | 118.8 | 28 | 2.9 | 1.3 | 33 |
| 1989 | 117.3 | 27 | 2.7 | 1.3 | 30 |
| 1988 | 115.0 | 26 | 2.6 | 1.2 | 27 |
| 1987 | 112.4 | 25 | 2.4 | 1.1 | 24 |
| 1986 | 109.6 | 24 | 2.3 | 1.1 | 22 |
| 1985 | 107.2 | 23 | 2.2 | 1.0 | 21 |
| 1984 | 105.0 | 22 | 2.0 | 0.9 | 19 |
| 1983 | 100.8 | 21 | 1.9 | 0.9 | 17 |
| 1982 | 99.5 | 20 | 1.7 | 0.8 | 15 |

Note: See Exhibit 1 for explanation of measures. For more congestion information see Tables 1 to 9. For congestion information on your city, see <https://mobility.tamu.edu/umr/>.

The Four Unique 2020s of Congestion

The four different 2020s were seen in passenger vehicle and truck speeds and travel delay across regions of different sizes. Exhibit 4 provides some context, showing the number of unemployed U.S. residents over 18 years old. By comparison, in February 2020, there were 101 million, and in May 2021 the value was 103 million (4). The drop in traffic volumes and congestion for four population groups from 2019 to 2020 are shown in Exhibits 5, 6, 7, and 8. There are some differences between big regions and smaller urban areas, but most of the changes were across the four different 2020s that we experienced.

- January and February 2020 volumes and congestion were slightly higher than 2019 values.
- March, April, and May 2020 saw the largest traffic volume and traffic congestion declines of any period of the *Urban Mobility Report*. Most urban areas engaged in some level of business shutdown, which caused 30 to 40 percent drops in traffic volume and 60 to 75 percent declines in congestion. Cars traveling near a speed limit of 60 mph in the peak periods in 2020 were going about 45 mph the year before. The regions with over 3 million people saw noticeably larger declines than the other three groups. ***This was like 1991.***
- As workforce travel patterns returned toward normal in the summer, delay grew, and the differences between population groups narrowed. Traffic began to return to the “rush hour,” and delay increased more rapidly, especially in the largest regions. ***This was like 2000.***
- The four fall months saw slightly higher traffic volume and lower speeds. Rush hour congestion was more prevalent in the morning and evening, but travel delay increased to a level that was 40 to 50 percent lower than the 2019 benchmark. ***This was like 2005.***
- Truck volumes (Exhibit 6) were much closer to 2019 volumes across all time periods and population groups. Truck delay declined much more than truck traffic volume in 2020 (because speeds were very high), but truck delay rebounded to end the year at between 7 and 20 percent lower than 2019 delay (Exhibit 8).
- While there were trucking businesses that decreased operations, the increase in door-front and home-front deliveries offset the decline in store deliveries. The large amount of essential goods, equipment and services that are trucked meant that freight volumes were not as affected by the pandemic response.

Exhibit 4. Persons Over 18 Years Old Not Working — May 1 to December 31, 2020

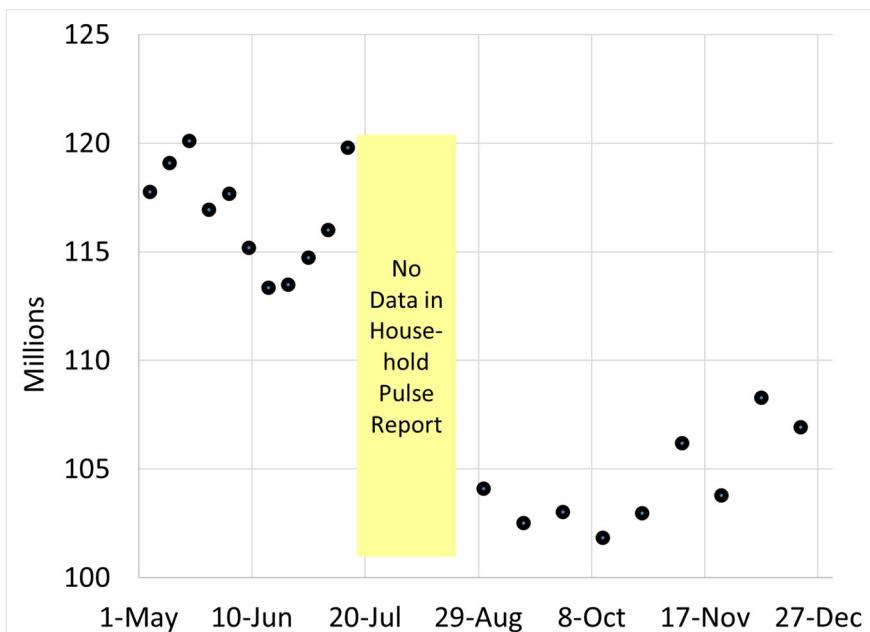


Exhibit 5. Change in 2020 Traffic Volumes Compared to 2019 Volumes

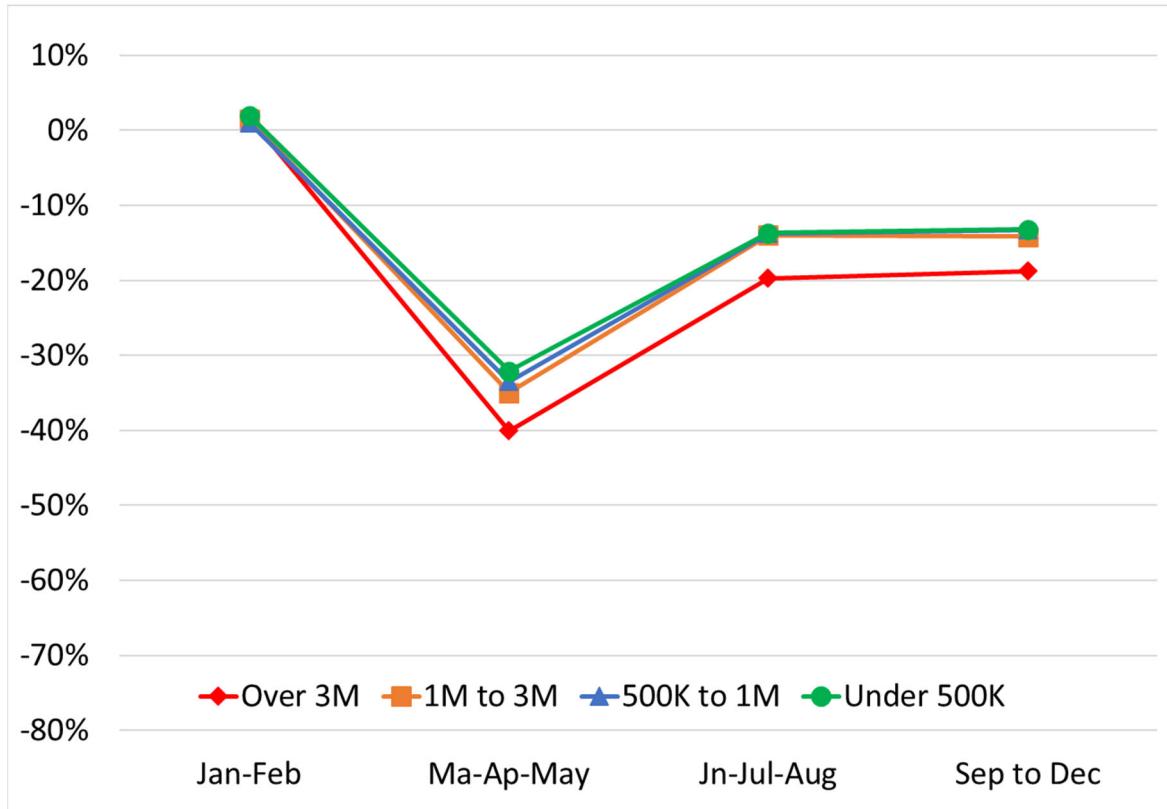


Exhibit 6. Change in 2020 Truck Traffic Volumes Compared to 2019 Truck Volumes

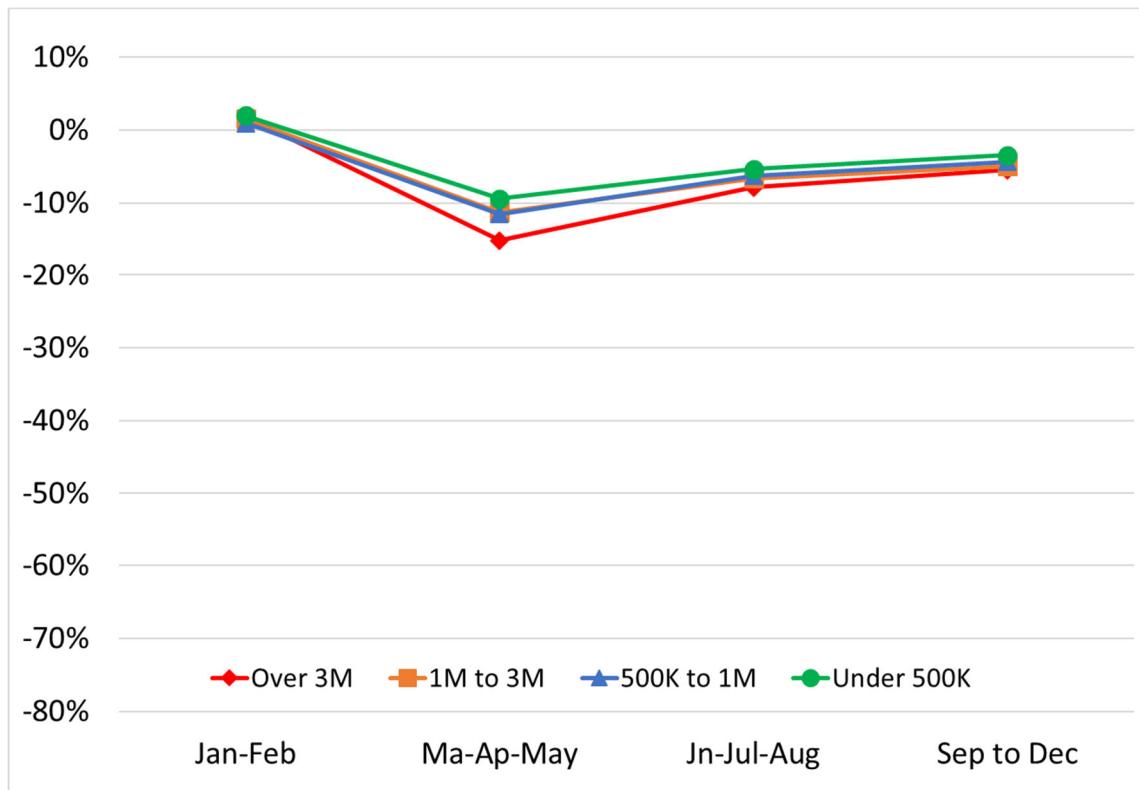


Exhibit 7. Change in 2020 Traffic Delay Compared to 2019 Delay

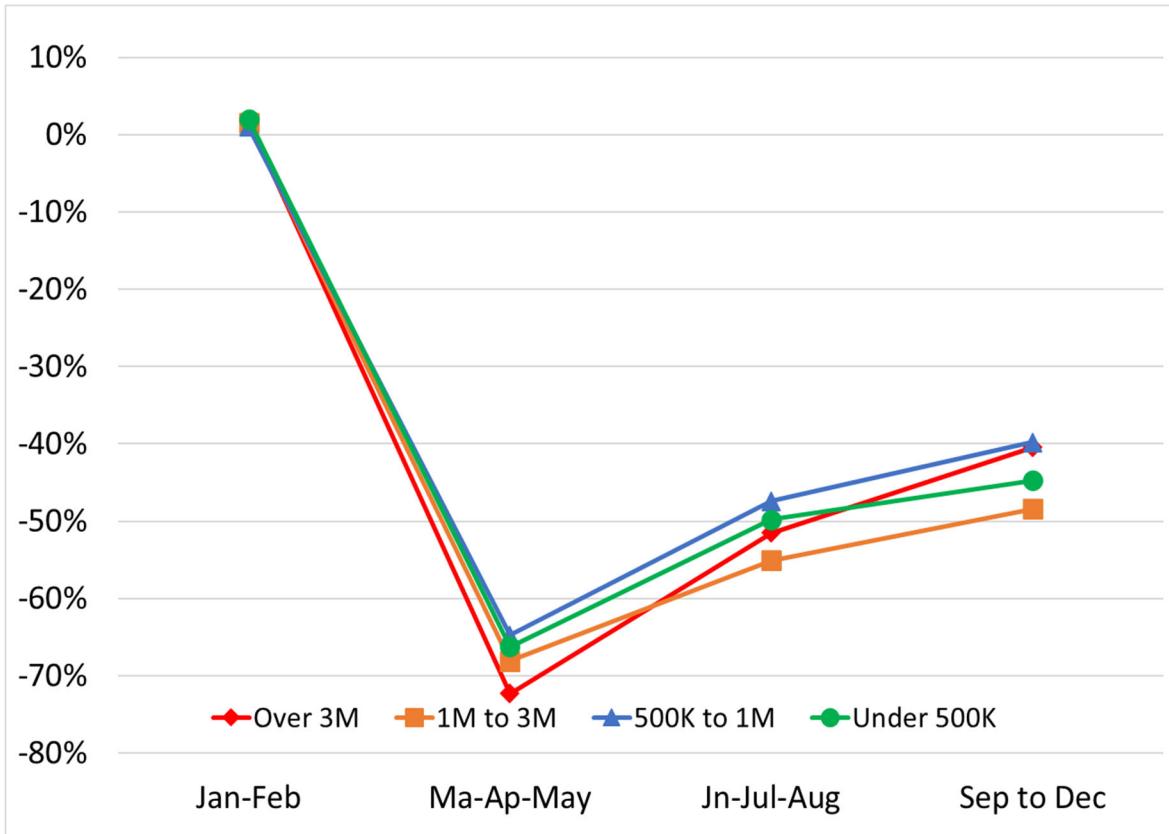
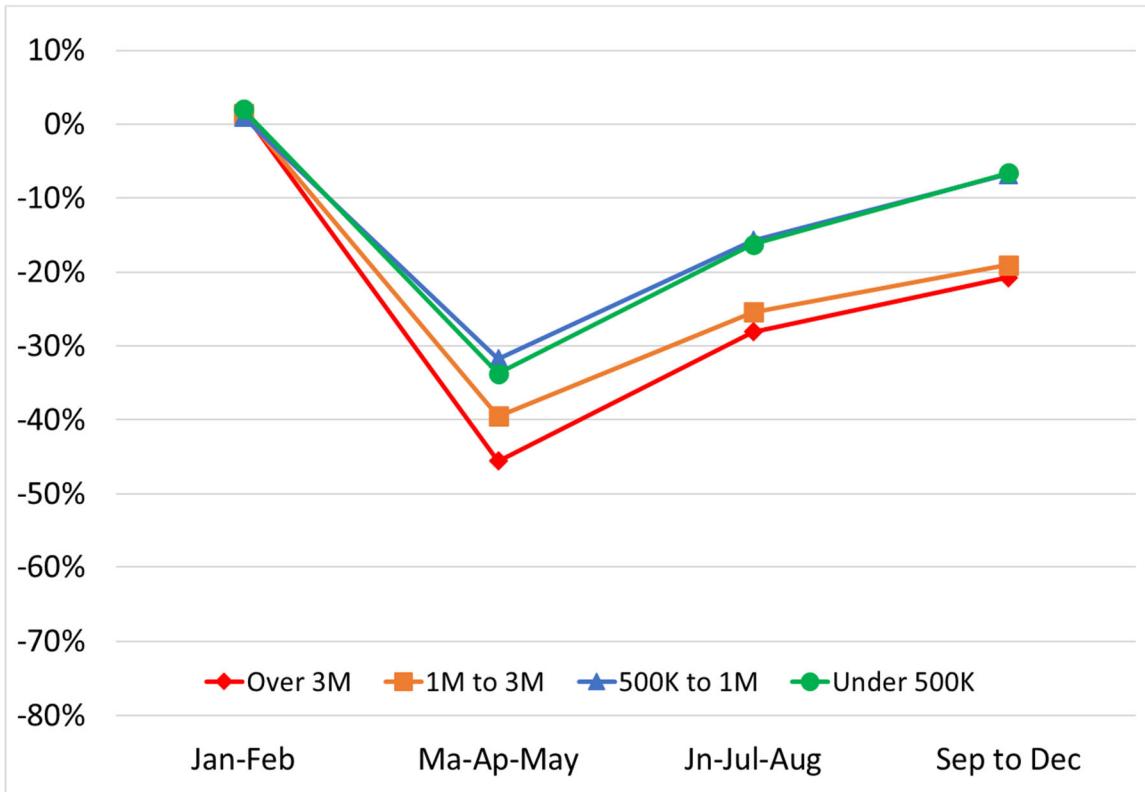


Exhibit 8. Change in 2020 Truck Traffic Delay Compared to 2019 Truck Delay



2020 Daily Congestion Was Also Flattened

While in 2020, U.S. cities were focused on “flattening the curve” to address the pandemic health emergency, they also flattened the travel delay curve. Exhibit 9 shows 2019 with a familiar pattern of morning rush hours followed by less delay in the midday and then several hours of bad evening congestion. Not only was there much less delay in 2020, but the morning peak is non-existent, and the 2020 evening worst hours are less than half of their 2019 counterparts. Fewer people traveling to work, or school was a substantial part of this trend, but many people also changed their patterns – they traveled in less crowded midday hours, or they were getting out after a workday spent inside a house or apartment.

Exhibit 9. Million Hours of Weekday Travel Delay for Hours of Day — 2019 and 2020

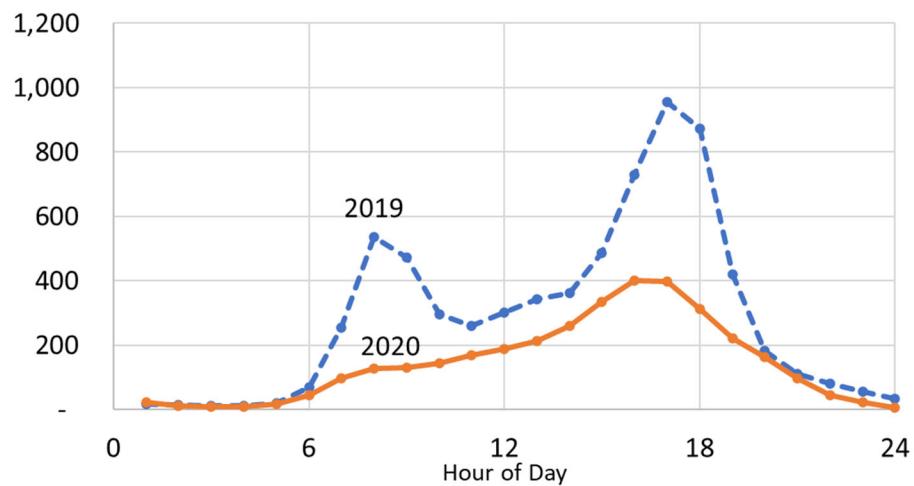
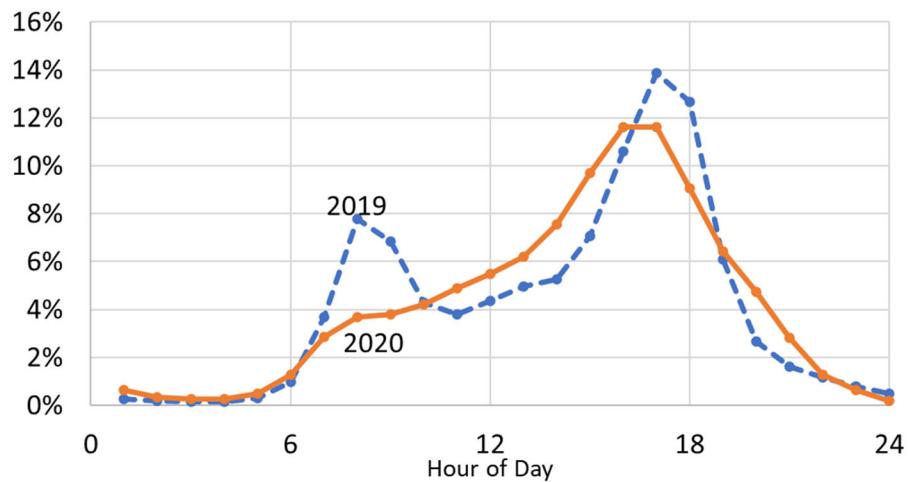


Exhibit 10 shows that the percentage of delay during the morning and evening hours was much lower in 2020. Delay shifted to midday hours and later in the day.

Exhibit 10. Percent of Delay for Hours of Day — 2019 and 2020



Annnnd The Week Was Also Flatter

Congestion builds through the week from Monday to Friday in regions of all sizes — this pattern was flatter in 2020. There was less delay in every day of 2020 than in 2019, but the reduction in rush hour commuting was much more, meaning weekend days represented more of the 2020 travel delay than in 2019 (Exhibits 11 and 12). There was a slight decline in delay percentage on each 2020 weekday compared to 2019. Weekend delay hours in 2020 were more than 70 percent of 2019 delay, while Tuesday, Wednesday, and Thursday delay were only about 45 percent of 2019.

Exhibit 11. Millions of Hours of Delay for Each Day

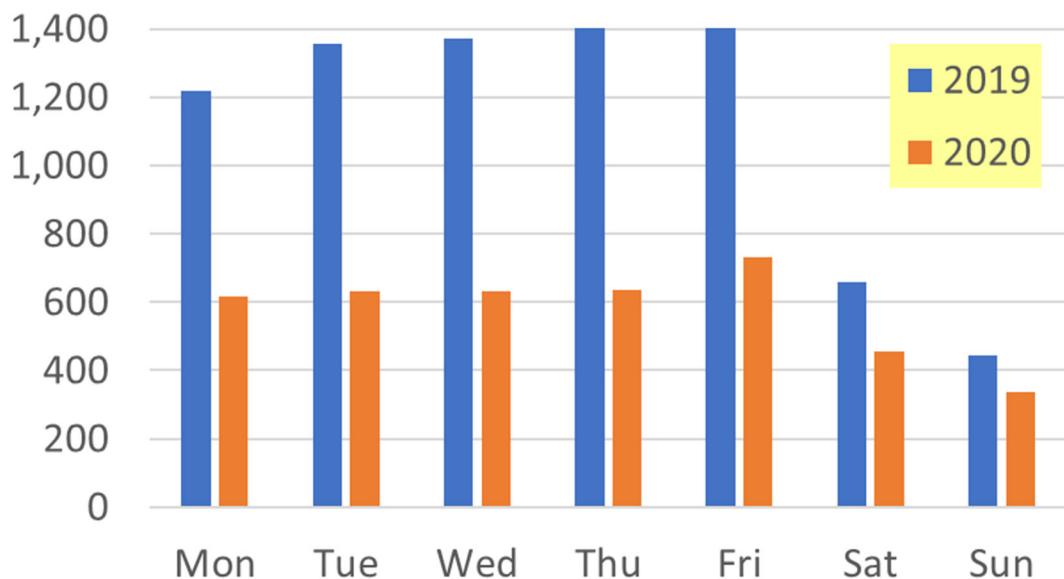
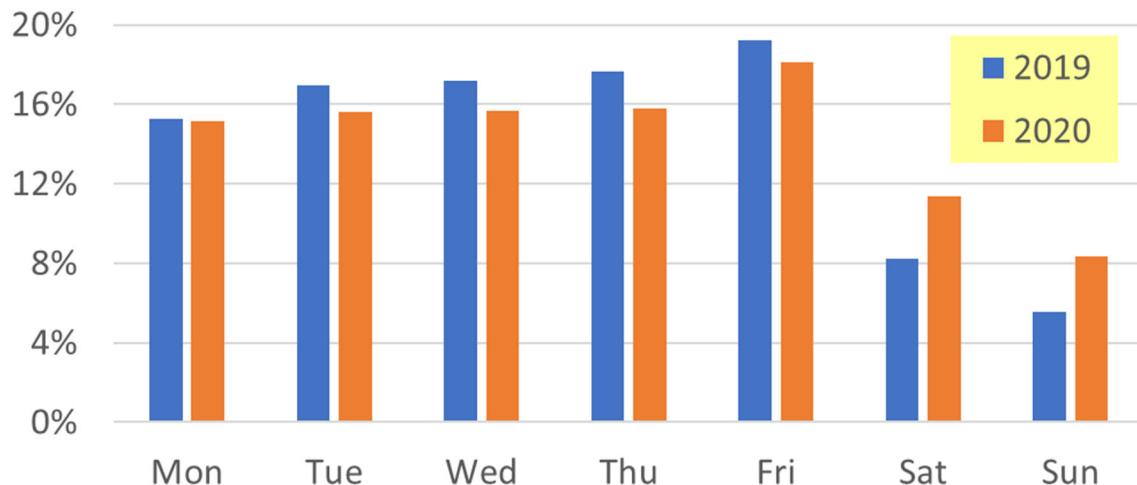


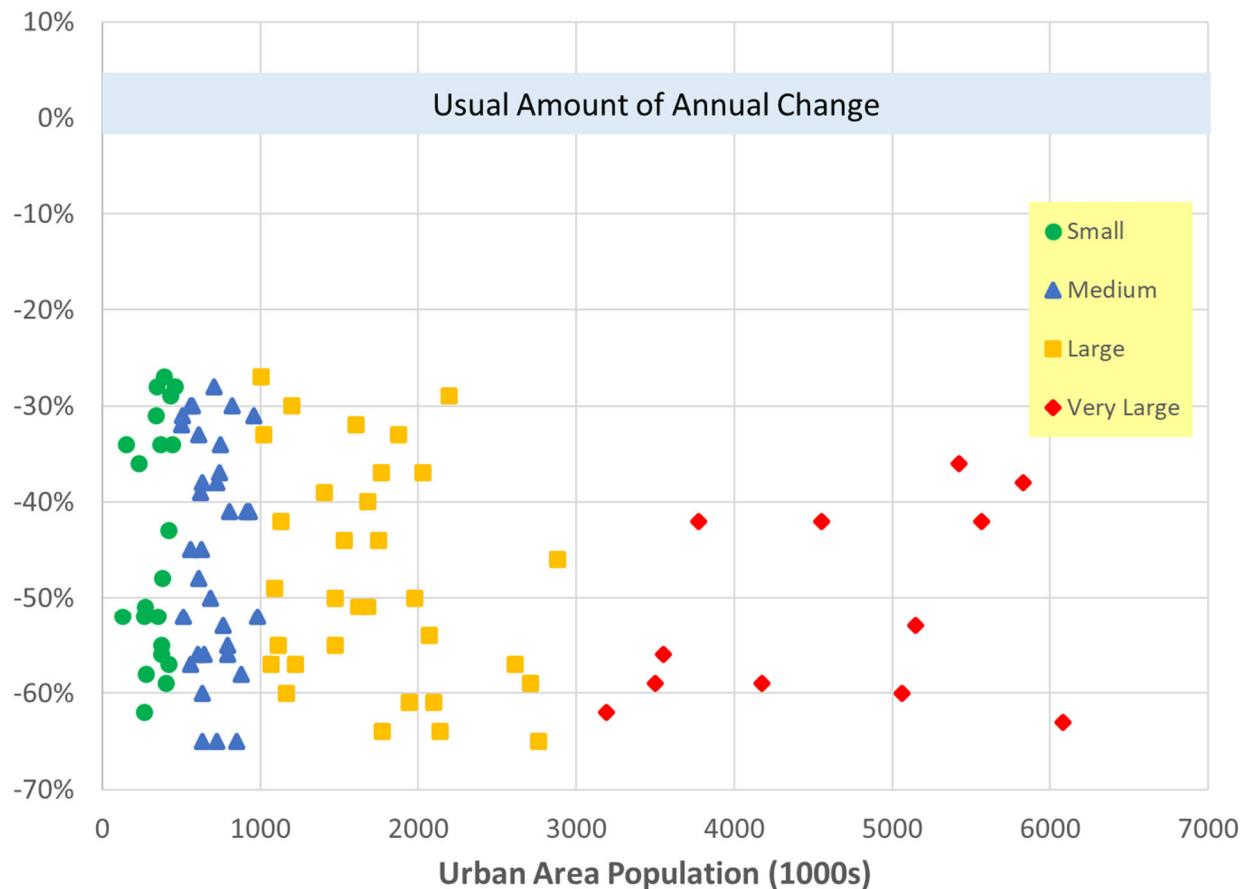
Exhibit 12. Percent of Delay for Each Day



Congestion Changes Were Not “Flat”

Travel delay in the 101 intensively studied urban areas was between 25 percent and 65 percent lower in 2020 than 2019 (Exhibit 13). Compared with the typical changes of a few percentage points up or down seen over the previous 38 years of the *Urban Mobility Report* (shown in the blue shading), these are massive changes. Even the economic recession of 2008/9 only saw a few urban area congestion declines of 10 percent. The 2020 declines occurred no matter what the urban area size, although regions with more than 3 million population have a somewhat smaller range.

Exhibit 13. 2020 Delay as a Percentage of 2019 Delay in 101 Urban Areas

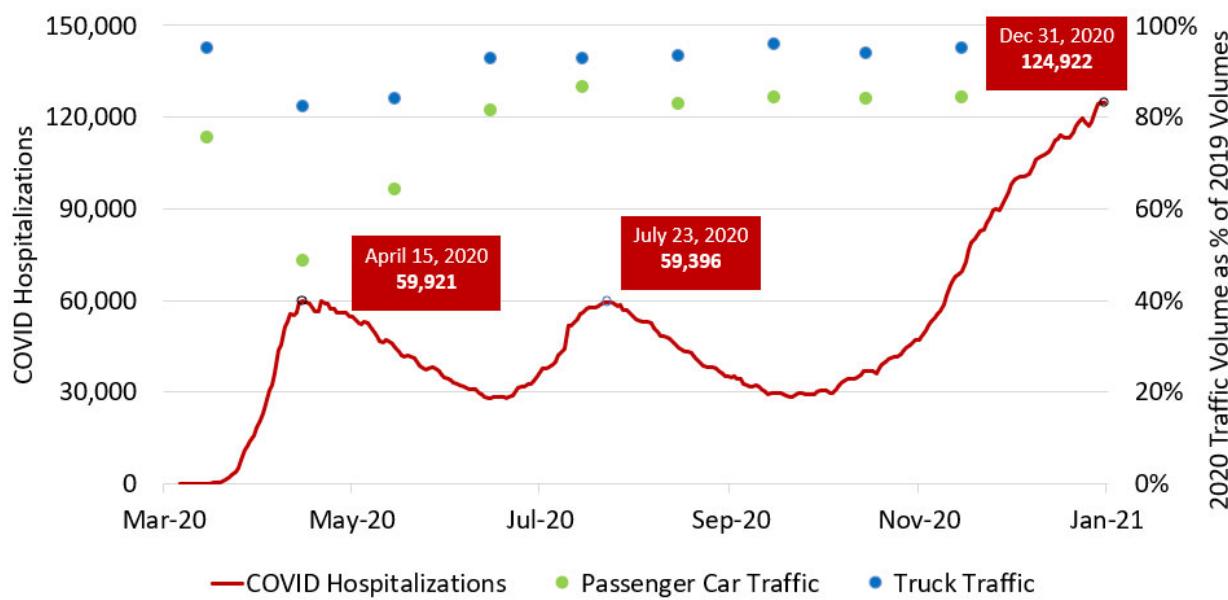


COVID-19 Health Problems

The recovery in traffic volumes and travel delay after the early summer was not in response to declines in COVID-19 related hospitalizations. Exhibit 14 is the national trend COVID-19 related hospitalization data that provides monthly context for the change in traffic volume from 2019 to 2020. Data were obtained from *The COVID Tracking Project at the Atlantic* (5) and INRIX (3). While there was a substantial amount of variation from state to state and city to city, the general pattern was for higher hospitalizations in mid-summer and then again during the late-fall and winter. Hospitalizations went down during March-April-May after the initial virus surge, but traffic volumes and congestion began to increase in May after experiencing the lowest levels in April. The summer and fall saw increases in hospitalizations that accompanied higher traffic volume and sustained returns of congestion. Hospitalizations went down after the initial peak in mid-April through early July. Traffic volumes and congestion began to increase in May after experiencing the lowest levels in April. The late-summer and then late-fall saw increases in hospitalizations that accompanied higher traffic volume and sustained growth in congestion.

The question of causation or association will be studied for many years, but the increases in traffic and congestion in the fall were occurring at the same time as COVID-19 hospitalizations were also peaking.

Exhibit 14. National COVID-19 Related Hospitalizations and Traffic Volumes During 2020



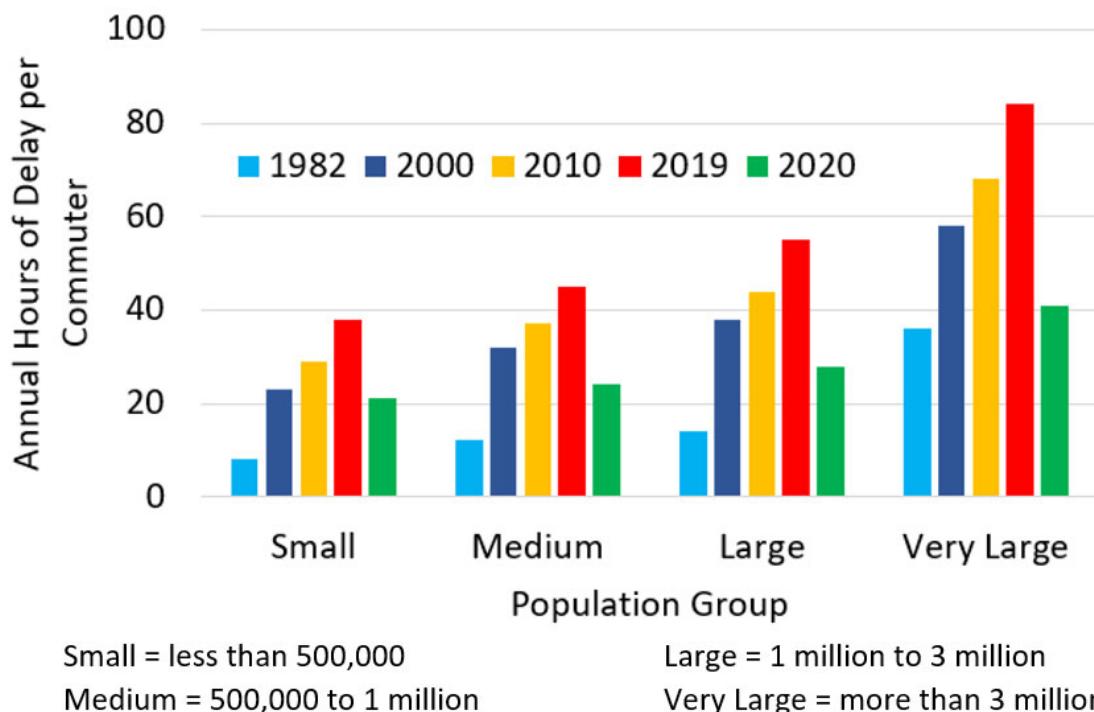
More Detail About Congestion Problems

Congestion, by every measure, increased substantially over the period from 1982 to 2019. But even with the dramatic decline in 2020 congestion levels, the trends in the last few months of 2020 point to a return of congestion problems in 2021. It will likely take some regions a few years to exceed the 2019 congestion levels, but other regions that have had growing population and job markets could bounce back very quickly. The underlying causes of traffic problems — too many car trips, too much rush hour roadwork, crashes, stalled vehicles, and weather issues — have not really receded so much as they have been eclipsed by the traffic volume decline.

Where the speed of congestion “recovery” after the 2008/9 economic recession depended on the return of local economies, the COVID-19 pandemic has highlighted the role of work-from-home and telework solutions. The type of jobs that can be done from home, and the acceptance of this mode by employees and employers, will be a significant determinant of congestion levels through the middle of this decade. Regions with many jobs that require on-site work — assembly lines, warehouses, tourism centers, and distribution centers, etc. — will probably see faster congestion increases than areas with more remote working.

Congestion has been growing in areas of every size. The *Urban Mobility Report* series shows consistent congestion growth across the entire urban area size spectrum until 2020 (Exhibit 15). The COVID-19 pandemic in essence “reset” congestion levels much more in the regions over 500,000 population than in the regions under 500,000. The difference between the very large and small group averages was halved in 2020, from 46 hours to 20 hours — more evidence of the flattening of congestion problems. The largest decline was seen in regions over 3 million where delay hours per auto commuter were close to the initial data year of 1982.

Exhibit 15. Congestion Growth Trend — Hours of Delay per Auto Commuter

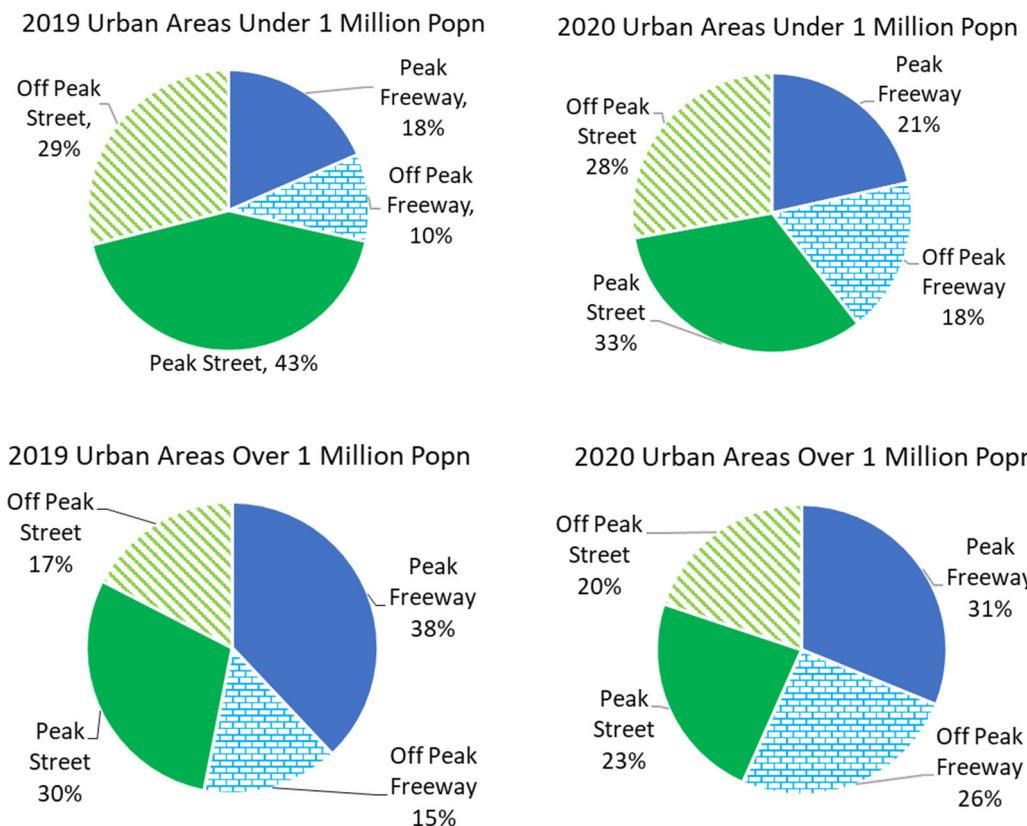


Changing Congestion on Freeways and Streets

Congestion patterns in areas under 1 million population have been different from those of over 1 million population. In 2020 those different relationships held, but the percentage of delay on streets and freeways changed dramatically.

- 2020 delay was about half of 2019 in both population groups.
- Travel delay moved toward freeways in both region sizes from 2019 to 2020 (Exhibit 16).
- There was more delay during off-peak periods in 2020 than in 2019.

Exhibit 16. Percent of Delay — Road Type and Time of Day



Urban Area Congestion Changes — 2019 to 2020

The delay per auto commuter statistic shows the most dramatic effect of the COVID-19 pandemic. The individual urban area changes in delay per auto commuter and total urban area delay from 2019 to 2020 in the 101 intensively studied urban areas are shown in Exhibit 17. The green shading indicates urban areas with fewer than 30 hours of extra travel time for the average auto commuter. Shading also illustrates areas with very large declines in regional delay totals — yellow with between 50 and 60 percent, and pink with greater than a 60 percent reduction.

- While there were only **5 areas with less than 30 hours of extra travel time** for a commuter in 2019, there were **73 such regions in 2020**.
- The smallest decline in total delay from 2019 to 2020 was 27 percent. This decrease is twice as large as any ever recorded in the 101 areas over the 38 previous years of *Urban Mobility Report* data.

Exhibit 17. Area Delay and Delay per Auto Commuter Values — 2019 and 2020

| Urban Area | Delay/Commuter (Person-Hours) | | | | Total Annual Delay (1000 Hours) | | | |
|---------------------------------|-------------------------------|------|--------|------|---------------------------------|---------|--------|------|
| | 2020 | 2019 | Change | Rank | 2020 | 2019 | Change | Rank |
| Very Large Average (15 areas) | 41 | 84 | -43 | | 152,347 | 312,680 | -51% | |
| LA-Long Beach-Anaheim CA | 46 | 119 | -73 | 1 | 365,543 | 952,183 | -62% | 8 |
| Washington DC-VA-MD | 42 | 105 | -63 | 2 | 101,775 | 256,476 | -60% | 13 |
| San Francisco-Oakland CA | 46 | 103 | -57 | 3 | 112,507 | 255,724 | -56% | 27 |
| Miami FL | 27 | 74 | -47 | 5 | 112,879 | 309,019 | -63% | 7 |
| Seattle WA | 31 | 77 | -46 | 6 | 69,016 | 168,998 | -59% | 16 |
| Atlanta GA | 37 | 78 | -41 | 8 | 109,475 | 230,899 | -53% | 37 |
| New York-Newark NY-NJ-CT | 56 | 96 | -40 | 9 | 494,268 | 846,704 | -42% | 60 |
| San Diego CA | 24 | 64 | -40 | 9 | 55,433 | 145,568 | -62% | 8 |
| Boston MA-NH-RI | 50 | 86 | -36 | 16 | 122,348 | 209,231 | -42% | 60 |
| Phoenix-Mesa AZ | 25 | 61 | -36 | 16 | 68,645 | 168,382 | -59% | 16 |
| Chicago IL-IN | 39 | 74 | -35 | 20 | 172,876 | 331,657 | -48% | 51 |
| Houston TX | 49 | 76 | -27 | 31 | 169,765 | 263,239 | -36% | 77 |
| Philadelphia PA-NJ-DE-MD | 37 | 63 | -26 | 36 | 100,726 | 172,804 | -42% | 60 |
| Dallas-Ft Worth-Arlington TX | 40 | 65 | -25 | 42 | 136,953 | 219,759 | -38% | 71 |
| Detroit MI | 35 | 60 | -25 | 42 | 92,996 | 159,551 | -42% | 60 |
| Large Average (32 areas) | 24 | 55 | -31 | | 31,065 | 61,751 | -50% | |
| San Jose CA | 31 | 80 | -49 | 4 | 46,377 | 118,687 | -61% | 11 |
| Riverside-San Bernardino CA | 25 | 64 | -39 | 11 | 38,687 | 99,863 | -61% | 11 |
| Orlando FL | 22 | 61 | -39 | 11 | 25,458 | 71,267 | -64% | 5 |
| Nashville-Davidson TN | 28 | 66 | -38 | 13 | 25,770 | 59,525 | -57% | 22 |
| Portland OR-WA | 31 | 68 | -37 | 14 | 36,065 | 78,309 | -54% | 36 |
| Baltimore MD | 27 | 63 | -36 | 16 | 44,292 | 102,994 | -57% | 22 |
| Denver-Aurora CO | 26 | 62 | -36 | 16 | 46,181 | 111,366 | -59% | 16 |
| Tampa-St. Petersburg FL | 18 | 53 | -35 | 20 | 34,479 | 98,821 | -65% | 1 |
| Jacksonville FL | 21 | 53 | -32 | 22 | 16,143 | 40,733 | -60% | 13 |
| Las Vegas-Henderson NV | 18 | 50 | -32 | 22 | 21,702 | 60,761 | -64% | 5 |
| Charlotte NC-SC | 24 | 53 | -29 | 26 | 23,138 | 51,737 | -55% | 32 |
| San Juan PR | 29 | 57 | -28 | 28 | 38,667 | 77,006 | -50% | 47 |
| Austin TX | 41 | 68 | -27 | 31 | 48,435 | 81,069 | -40% | 68 |
| Minneapolis-St. Paul MN-WI | 32 | 59 | -27 | 31 | 59,835 | 110,297 | -46% | 54 |
| Memphis TN-MS-AR | 28 | 54 | -26 | 36 | 16,285 | 31,809 | -49% | 50 |
| Cincinnati OH-KY-IN | 26 | 52 | -26 | 36 | 28,436 | 57,734 | -51% | 44 |
| Indianapolis IN | 26 | 52 | -26 | 36 | 23,362 | 47,617 | -51% | 44 |
| Louisville-Jeff. County KY-IN | 22 | 48 | -26 | 36 | 13,886 | 30,610 | -55% | 32 |
| Raleigh NC | 17 | 40 | -23 | 50 | 11,144 | 26,220 | -57% | 22 |
| Columbus OH | 27 | 49 | -22 | 52 | 26,055 | 46,578 | -44% | 57 |
| Virginia Beach VA | 22 | 43 | -21 | 54 | 19,220 | 38,378 | -50% | 47 |
| San Antonio TX | 32 | 52 | -20 | 56 | 44,999 | 71,905 | -37% | 74 |
| Salt Lake City-W Valley City UT | 26 | 46 | -20 | 56 | 17,124 | 29,571 | -42% | 60 |
| Pittsburgh PA | 25 | 45 | -20 | 56 | 24,743 | 44,556 | -44% | 57 |
| Sacramento CA | 38 | 56 | -18 | 64 | 47,492 | 71,079 | -33% | 83 |
| Cleveland OH | 29 | 47 | -18 | 64 | 33,300 | 53,157 | -37% | 74 |
| Milwaukee WI | 29 | 47 | -18 | 64 | 24,340 | 39,610 | -39% | 69 |
| Kansas City MO-KS | 34 | 50 | -16 | 71 | 35,061 | 51,326 | -32% | 86 |
| Providence RI-MA | 33 | 47 | -14 | 78 | 26,373 | 37,425 | -30% | 91 |
| St. Louis MO-IL | 33 | 46 | -13 | 83 | 51,115 | 71,517 | -29% | 95 |
| Oklahoma City OK | 35 | 47 | -12 | 88 | 30,057 | 41,004 | -27% | 100 |
| Richmond VA | 24 | 35 | -11 | 90 | 15,862 | 23,510 | -33% | 83 |

Exhibit 17. Area Delay and Delay per Auto Commuter Values — 2019 and 2020, Continued

| Urban Area | Delay/Commuter (Person-Hours) | | | | Total Annual Delay (1000 Hours) | | | |
|-----------------------------|-------------------------------|------|--------|------|---------------------------------|--------|--------|------|
| | 2020 | 2019 | Change | Rank | 2020 | 2019 | Change | Rank |
| Medium Average (33 areas) | 24 | 45 | -21 | | 11,391 | 21,251 | -46% | |
| Honolulu HI | 24 | 68 | -44 | 7 | 13,365 | 38,532 | -65% | 1 |
| Baton Rouge LA | 24 | 61 | -37 | 14 | 10,151 | 25,307 | -60% | 13 |
| Charleston-N. Charleston SC | 26 | 58 | -32 | 22 | 10,973 | 24,780 | -56% | 27 |
| Cape Coral FL | 15 | 45 | -30 | 25 | 7,399 | 21,377 | -65% | 1 |
| Tucson AZ | 21 | 50 | -29 | 26 | 13,189 | 31,552 | -58% | 20 |
| New Orleans LA | 26 | 54 | -28 | 28 | 24,668 | 51,289 | -52% | 39 |
| Birmingham AL | 23 | 51 | -28 | 28 | 12,935 | 28,789 | -55% | 32 |
| Albuquerque NM | 22 | 47 | -25 | 42 | 10,229 | 21,780 | -53% | 37 |
| Columbia SC | 19 | 44 | -25 | 42 | 7,362 | 16,893 | -56% | 27 |
| Omaha NE-IA | 19 | 44 | -25 | 42 | 9,777 | 22,404 | -56% | 27 |
| Sarasota-Bradenton FL | 12 | 35 | -23 | 50 | 6,122 | 17,519 | -65% | 1 |
| Knoxville TN | 23 | 45 | -22 | 52 | 9,058 | 17,570 | -48% | 51 |
| Hartford CT | 31 | 52 | -21 | 54 | 16,928 | 28,583 | -41% | 65 |
| Buffalo NY | 29 | 49 | -20 | 56 | 16,005 | 27,343 | -41% | 65 |
| Toledo OH-MI | 19 | 39 | -20 | 56 | 5,328 | 11,042 | -52% | 39 |
| Colorado Springs CO | 29 | 48 | -19 | 61 | 12,116 | 20,010 | -39% | 69 |
| Grand Rapids MI | 22 | 41 | -19 | 61 | 9,472 | 17,240 | -45% | 55 |
| Bridgeport-Stamford CT-NY | 40 | 58 | -18 | 64 | 27,235 | 39,387 | -31% | 88 |
| Allentown PA-NJ | 19 | 37 | -18 | 64 | 7,535 | 14,953 | -50% | 47 |
| McAllen TX | 25 | 42 | -17 | 70 | 13,202 | 22,555 | -41% | 65 |
| Albany-Schenectady NY | 33 | 49 | -16 | 71 | 10,518 | 15,617 | -33% | 83 |
| Rochester NY | 26 | 41 | -15 | 74 | 10,199 | 16,489 | -38% | 71 |
| Springfield MA-CT | 25 | 40 | -15 | 74 | 9,391 | 15,218 | -38% | 71 |
| Bakersfield CA | 11 | 26 | -15 | 74 | 4,211 | 9,684 | -57% | 22 |
| Worcester MA-CT | 28 | 42 | -14 | 78 | 8,922 | 13,085 | -32% | 86 |
| Tulsa OK | 27 | 41 | -14 | 78 | 14,440 | 21,870 | -34% | 79 |
| El Paso TX-NM | 32 | 45 | -13 | 83 | 17,490 | 24,967 | -30% | 91 |
| New Haven CT | 31 | 44 | -13 | 83 | 10,778 | 15,397 | -30% | 91 |
| Provo-Orem UT | 15 | 27 | -12 | 88 | 5,275 | 9,621 | -45% | 55 |
| Fresno CA | 29 | 40 | -11 | 90 | 13,890 | 19,335 | -28% | 97 |
| Akron OH | 27 | 38 | -11 | 90 | 11,120 | 15,835 | -30% | 91 |
| Wichita KS | 25 | 36 | -11 | 90 | 7,423 | 10,790 | -31% | 88 |
| Dayton OH | 21 | 32 | -11 | 90 | 9,187 | 14,481 | -37% | 74 |
| Small Average (21 areas) | 21 | 38 | -17 | | 5,092 | 8,855 | -42% | |
| Pensacola FL-AL | 21 | 48 | -27 | 31 | 4,695 | 10,537 | -55% | 32 |
| Spokane WA | 20 | 47 | -27 | 31 | 5,114 | 11,913 | -57% | 22 |
| Boise ID | 18 | 44 | -26 | 36 | 5,102 | 12,525 | -59% | 16 |
| Boulder CO | 23 | 48 | -25 | 42 | 2,312 | 4,865 | -52% | 39 |
| Anchorage AK | 18 | 43 | -25 | 42 | 3,080 | 7,304 | -58% | 20 |
| Salem OR | 15 | 40 | -25 | 42 | 2,541 | 6,772 | -62% | 8 |
| Eugene OR | 19 | 38 | -19 | 61 | 3,172 | 6,504 | -51% | 44 |
| Laredo TX | 17 | 35 | -18 | 64 | 3,594 | 7,487 | -52% | 39 |
| Oxnard CA | 18 | 34 | -16 | 71 | 3,379 | 6,499 | -48% | 51 |
| Jackson MS | 29 | 44 | -15 | 74 | 8,409 | 12,836 | -34% | 79 |
| Beaumont TX | 28 | 42 | -14 | 78 | 3,154 | 4,772 | -34% | 79 |
| Madison WI | 28 | 42 | -14 | 78 | 7,945 | 12,064 | -34% | 79 |
| Little Rock AR | 33 | 46 | -13 | 83 | 14,655 | 20,266 | -28% | 97 |
| Brownsville TX | 23 | 36 | -13 | 83 | 3,788 | 5,944 | -36% | 77 |
| Corpus Christi TX | 28 | 39 | -11 | 90 | 7,103 | 9,813 | -28% | 97 |
| Greensboro NC | 25 | 36 | -11 | 90 | 5,320 | 7,697 | -31% | 88 |
| Winston-Salem NC | 15 | 26 | -11 | 90 | 4,455 | 7,752 | -43% | 59 |
| Lancaster-Palmdale CA | 10 | 21 | -11 | 90 | 2,456 | 5,089 | -52% | 39 |
| Poughkeepsie-Newburgh NY-NJ | 26 | 36 | -10 | 99 | 6,204 | 8,682 | -29% | 95 |
| Stockton CA | 25 | 34 | -9 | 100 | 7,899 | 10,797 | -27% | 100 |
| Indio-Cathedral City CA | 6 | 14 | -8 | 101 | 2,557 | 5,832 | -56% | 27 |
| 101 Area Average | 33 | 67 | -34 | | 37,249 | 74,787 | -50% | |
| Remaining Areas Average | 11 | 23 | -12 | | 1,754 | 3,497 | -50% | |
| All 494 Area Average | 27 | 54 | -27 | | 9,011 | 18,072 | -50% | |

Truckers Kept on Trucking in 2020

Perhaps no year in recent history has seen more attention brought to trucking, transportation logistics, and the global supply chain than during the pandemic in 2020. We all found ourselves asking why basic grocery items, including toilet paper, water, and disinfecting wipes, were not on store shelves. The pandemic impacted supply chains, but through it all, truckers — among the most essential of workers — kept on delivering the goods in our time of need.

But delivering the goods comes at a price. In 2020, the price tag for truck congestion was about \$11.3 billion in wasted time and fuel. Truck congestion was 12 percent of the total congestion cost. Only 23 percent of the \$11 billion truck congestion cost is in the largest 15 urban areas, illustrating that truck congestion is a problem spread throughout all urban areas. The share of truck cost to the total congestion cost has gone up from 11 percent in 2019 to 12 percent in 2020.

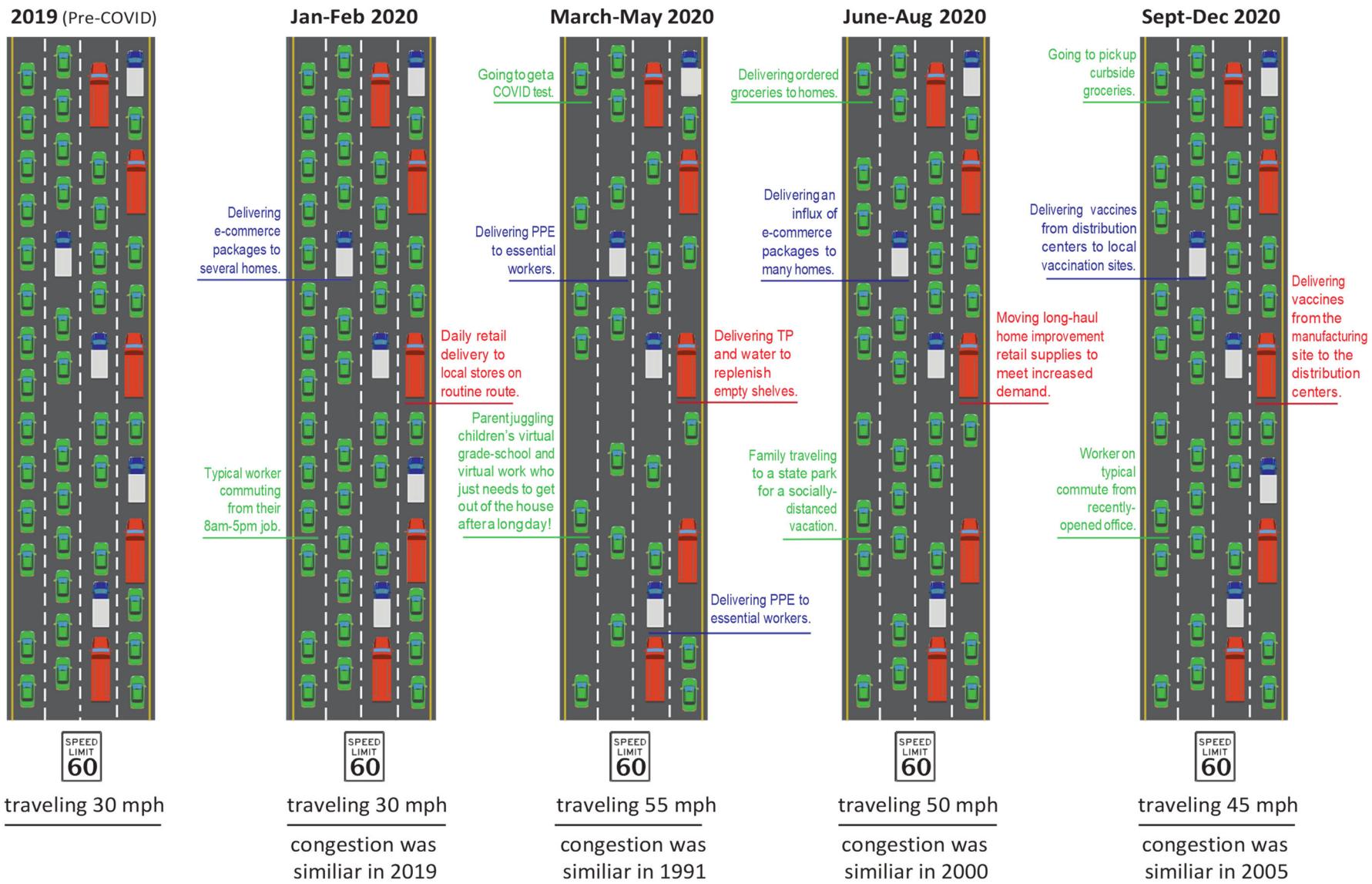
To supply the entire United States with essential goods in 2020, truckers shifted to the typically off-peak periods. The results show that supply chains kick in at night and the early morning to supply the demand for goods and services throughout the day and around the clock. A few 2020 trucking highlights include:

- Over half (53 percent) of the truck delay occurred in the off-peak period in 2020, in comparison to 40 percent in 2019.
- In cities under 1 million in population, there was a 40 percent increase in truck delay over 2019 in the freeway off-peak period.
- In cities over 1 million in population, the largest percentage of truck delay (38 percent) occurs in the freeway off-peak period.
- More of the truck delay was incurred on weekends in 2020 (21 percent) than in 2019 (15 percent) in all city sizes.
- There was 30 percent more truck delay between 7 p.m. and 10 p.m. in cities of all sizes in 2020 than 2019.
- In 2020, 30 percent more truck delay occurred between midnight and 3 a.m. in cities over 1 million in population than in 2019.
- Very large port cities known for their freight traffic top the list in person-hours of truck delay and truck delay congestion, including NYC (#1), LA (#2), Chicago (#3) and Houston (#4).

Exhibit 18 shows typical peak-period roadway cross sections illustrating traffic characteristics in 2019 in comparison to the four unique traffic time periods of 2020. One can immediately see how traffic volumes dropped off substantially in March–May 2020 (see Exhibits 5 and 6), and then slowly increased in traffic volume. Exhibit 18 also illustrates that the number of small delivery trucks and big trucks did not dip nearly as much as passenger cars — their numbers stay relatively consistent throughout the pandemic period. Annotations on Exhibit 18 demonstrate how trips changed throughout 2020 due to changing trip needs and behaviors.

Trucking infrastructure investments are critically important (for example, adding capacity to roadways and improvements to last-mile connectors to ports, intermodal facilities, and airports). In dense, urban settings, curb management to effectively balance curb use by numerous users is vital. Incorporating all solutions to facilitate goods movement is imperative, particularly given the rise in e-commerce, which only increased because of the pandemic.

Exhibit 18. Congestion Visualization of 2019 and the Four Unique 2020 Time Periods



Congestion Relief — An Overview of the Strategies

We still recommend a ***balanced and diversified approach*** to reduce congestion — one that focuses on more of everything; more policies, programs, projects, flexibility, options, and understanding. The massive drop in 2020 congestion will certainly be followed by a return of congestion problems. Through 2019, investments in solutions did not keep pace with the growing problem. On the hopeful side, state departments of transportation, urban planners, employers, and employees now see the strength of telework programs, bike, and walk modes, as well as the social benefits of providing workers with more job location flexibility.

The right solution to a mobility issue, however, is not the same everywhere all the time. Every solution is targeted somewhere to accomplish a specific goal, but every solution is not right for every location, opportunity, or problem. Context is the important starting point for identifying mobility solutions.

Anyone who tells you there is a single solution that can solve congestion, be supported, and be implemented everywhere (or even in most locations) is exaggerating the effect of their idea.

Some solutions need more congestion before they are fully effective, and some can be very useful in mitigating congestion before it becomes a big problem. There is almost always a role for providing more travel options and operating the system more efficiently. The effects of these solutions are important but, especially in growing regions, they are not usually enough to meet community mobility goals. The private sector, the economy, and government regulations all play a role. Some cities have growth near downtowns that provide good home and work options but rarely determine regional growth trends. Governments have been streamlining regulations to make near-downtown development as easy to do as suburban developments.

More information on the possible solutions, places they have been implemented, and their effects can be found on the website: <https://mobility.tamu.edu/project/mobility-improvement-strategies/>

None of these ideas are the entire mobility solution, but they can all play a role.

- **Get as much as possible from what we have** — “Get the best bang for the buck” is the theme here. Many low-cost improvements have broad public support and can be rapidly deployed. Operations improvement programs require innovation; new monitoring technologies and staffing plans; constant attention; and adjustment, but they pay dividends in faster, safer, and more reliable travel. Rapidly removing crashed vehicles, timing the traffic signals so that more vehicles see green lights, and improving road and intersection designs are relatively simple actions. More complex changes such as traffic signals that rapidly adapt to different traffic patterns, systems that smooth traffic flow and reduce traffic collisions, and communication technologies that assist travelers (in all modes) also play a role.
- **Provide choices** — “Customize your trip” might involve different travel routes, departure times, travel modes, or lanes that require a toll for high-speed and reliable service. These options allow travelers and shippers to make trips when, where, and in a form that best suits their needs and wants. There are many sources of travel information involving displays of existing travel times, locations of roadwork or crashes, transit ridership and arrival information, and a variety of trip planner resources. The solutions also involve changes in the way employers and travelers conduct business to avoid traveling in the traditional rush hours. The COVID-19 pandemic response demonstrated that flexible work hours and good internet connections allow employees to choose work schedules that meet family needs *and* the needs of their jobs.

- **Technology advances** also hold promise as solutions. While we are not yet at the “meet George Jetson” level of technology, the technology disruptors coming to market every week will alter the urban mobility landscape. The depth and breadth of the detailed crowdsourced data from INRIX has improved this report, and an increasingly connected world will offer more opportunities to understand and improve the movement of people and goods. Connected vehicles “talking” to each other, as well as traffic signals and other systems — and providing this information to decision-makers — will provide unprecedented data and insights to identify and fix mobility problems. Newer vehicles sense and adjust to their surroundings, increasing safety and efficient movement of goods and people. Other technologies, such as the Internet of Things (connected devices), 3D printers, blockchain, and artificial intelligence will affect transportation systems of the future. Will the mobility improvements of these technologies offset induced trips or other unforeseen mobility consequences? In many cases, it will. Again, *context* is the key, and the jury is still out on the evolving impacts.
- **Add capacity in critical corridors** — We just need “more” in some places. Increases in freight and person movement often require new or expanded facilities. Important corridors or growing regions can benefit from more street and highway lanes, new or expanded public transportation facilities, and larger bus and rail fleets. Some of the “more” will be better paths and routes for bicyclists and pedestrians. Some of the “more” will also be in the form of advancements in connected and autonomous vehicles that reduce crashes and congestion — cars, trucks, buses, and trains that communicate with each other and with the transportation network.
- **Diversify the development patterns** — “Everyone doesn’t want to live in <fill in the blank>” is a discussion in most urban regions. It is always true — because there is no one-size-fits-all home type. The market is diverse for the same reasons as the U.S. culture, economy, and society is varied. The “real market” includes denser developments with a mix of jobs, shops, and homes (so that more people can walk, bike, or take transit to more and closer destinations). Also, urban residential patterns of moderate density single-family and multi-family buildings, and suburban residential and commercial developments are popular. Sustaining a good quality-of-life and gaining economic opportunity without the typical increment of congestion in each of these sub-regions appears to be part, but not all, of the mobility solution. Recognizing that many home and job location choices are the result of choices about family needs, education preferences, and entertainment and cultural sites allows planners to adjust projects and policies to meet these varied markets.
- **Realistic expectations** are also part of the solution. Large urban areas will be congested. Some locations near key activity centers in smaller urban areas will also be congested. Identifying solutions and funding sources that are equitable and meet a variety of community goals is challenging enough without attempting to always eliminate congestion in all locations. Congestion, however, does not have to be an all-day event. In many cases, improving travel time awareness and predictability can be a positive first step toward improving urban mobility.

Case studies, analytical methods, and data — and now the experience with adjustments to the COVID-19 pandemic — are available to support development of these strategies and monitor the effectiveness of deployments. There are also many good state and regional mobility reports that provide ideas for communicating the findings of the data analysis.

How Did We Estimate Congestion?

We started with very detailed traffic speed data from INRIX (3). We developed traffic volume estimates for four different sets of months during 2020. Those two datasets were combined to get estimates of the extra travel time to make a trip. The *2021 Urban Mobility Report* uses hundreds of speed data points for every 15 minutes of the average day of the week for almost every mile of major roadway in urban America. More than a billion speeds across 1.5 million miles of U.S. streets and highways means congestion trends and problems can be described in detail, and solutions targeted to community goals.

Key methodological aspects of the *2021 Urban Mobility Report* are summarized below.

- The initial data analysis identified four distinct groups of 2020 months. The INRIX vehicle speed data and traffic volume estimates from each of these four were combined to create the 2020 mobility estimates.
- Creating four datasets instead of only one meant that some traditional analyses were not performed. The travel time reliability information that describes how much congestion varies from day-to-day was a casualty of the analysis effort. In 2020, reliability was generally much better due to lower volumes. These data will return in the next *Urban Mobility Report*.
- The number of auto commuters were assumed at 2019 levels for the 2020 delay per auto commuter calculations. This results in a higher number of auto commuters than were present during the pandemic in 2020 and a lower delay per auto commuter value. This recognizes the difficulty of estimating the monthly variation in urban auto commuters and provides an opportunity to see what the 51 percent reduction in total delay (Exhibit 1) looks like from 2019 to 2020 given “all else equal.”
- The average vehicle occupancy (AVO) from the pre-pandemic was used in 2020 because there was not a consistent, updated data source for the pandemic AVO. Keeping AVO consistent allowed for a comparison from 2019 to 2020 with “all else equal” (similar to auto commuters mentioned above).
- Previous reports had estimated many speeds, especially on minor roads and in non-peak periods. The greatly expanded INRIX traffic speed dataset, however, meant that more than 97 percent of the 2019 travel delay was based on a measured traffic speed. With traffic volumes down, fewer speeds were collected in 2020. The 2020 percentage of measured delay slipped to 88 percent, but that is still a higher value than any *Urban Mobility Report* before 2018.
- More detail on the methodologies and analytical components are in the Appendices at:
<https://mobility.tamu.edu/umr/report/#methodology>
 - The methodology is described in Appendix A on the mobility study website (6).
 - An updated vehicle occupancy value is used to reflect travel changes (7). (Appendix B)
 - The value of congested travel time is measured by the median hourly wage for all job classifications in the Occupational Employment Statistics series by the U.S. Bureau of Labor Statistics (8). (Appendix C)
 - Commercial truck operating cost estimates are drawn from the American Transportation Research Institute’s annual survey of their membership (estimated for 2020 because 2019 was not available) (8). (Appendix C)
- Key performance measures used in the *2021 Urban Mobility Report* are:
 - Yearly delay per auto commuter — The extra travel time during the year due to congested speeds rather than free-flow speeds by private vehicle drivers and passengers who typically travel in the peak periods.
 - Travel Time Index (TTI) — The ratio of travel time in the peak period to the travel time at free-flow conditions. A Travel Time Index of 1.30 indicates a 20-minute free-flow trip takes 26 minutes in the peak period.
 - Congestion cost — The yearly value of delay time and wasted fuel by all vehicles.
 - Traffic volume — Miles traveled by all vehicles during the year.

More information on INRIX can be found at www.inrix.com.

What Does 2020 Mean?

The changes in travel and congestion levels during the 2020 COVID-19 pandemic were massive. The declines in congestion were unprecedented. The smallest decline in extra travel time for the average auto commuter in the 101 intensively studied areas from 2019 to 2020 was 8 hours; there were only 6 urban areas that saw a decline of more than 3 hours per auto commuter during the economic recession. With 2020 total congestion cost half of the 2019 level, the “congestion recovery” may take a few years, but it also seems clear that some aspects of the problem and the solutions may have changed forever.

But if we try to use that experience to make decisions about the future, it is difficult to know what has been learned from the past year.

- How soon will the employment market bounce back?
- To what extent will office workers continue to work from home?
- How does the type of jobs in the travel corridor affect the congestion patterns, and which mobility solutions will work best for that job mix?
- Will trip departure times remain similar — fewer auto trips in the normal rush hours, and more travel in the midday and early evening?
- Will public transportation ridership rebound?
- Will construction projects fast-tracked during the pandemic have an effect?
- What are the effects of transportation and land use changes given where people choose to work, live, shop, go to school, and recreate?
- How will the shift in where businesses and people locate affect how, where, and when goods are moved?

On some level, congestion analysis of 2020 data will never be relevant again; the conditions are not likely to be repeated. On the other hand, the conditions are like some of those in the past. The connection between the economy and congestion has been very solid. The great recession in 2008/9 caused a national reduction in traffic congestion, and other regional recessions have also caused congestion reductions.

Early 2021 suggests that the economy and congestion are rebounding, but the answers to the above questions will go a long way toward determining the mobility problems and solutions in the next decade. All the potential congestion-reducing strategies should be considered, and there is a role and location for most of the strategies:

- The COVID-19 pandemic reaction has convinced employers and workers that many more tasks can be accomplished remotely. ***This will not be the same everywhere for every job.*** Some employers might require in-person attendance. Some may allow full-time, not-in-an-office work schedule. Some will encourage telework for a few days each week or even just a few hours each day.
- Rapidly clearing crashes and stalled vehicles, efficiently timing the traffic signals, getting reliable information to travelers so that they can plan their trip — all of these are ways to get the “best bang for the buck” productivity out of the existing road and public transportation systems.
- In growth corridors, there also may be a role for additional road and public transportation capacity to move people and freight more rapidly and reliably.
- Some areas are seeing renewed interest in higher density living in neighborhoods with a mix of residential, office, shopping, and other developments. These places can promote shorter trips that are more amenable to walking, cycling, or public transportation modes.

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Comparison Tables — Congestion in 2019 and 2020

Additional Information for Urban Areas

Table 1. What Congestion Means to You

| Urban Area | Annual Person-Hours of Delay per 2019 Commuter | | | | Travel Time Index | | | |
|--------------------------------------|--|------|-----------|------|-------------------|------|-------------|------|
| | 2020 | | 2019 | | 2020 | | 2019 | |
| | Hours | Rank | Hours | Rank | Index | Rank | Index | Rank |
| Very Large Average (15 areas) | 41 | | 84 | | 1.13 | | 1.35 | |
| New York-Newark, NY-NJ-CT | 56 | 1 | 96 | 4 | 1.17 | 1 | 1.36 | 6 |
| Boston, MA-NH-RI | 50 | 2 | 86 | 5 | 1.12 | 10 | 1.28 | 21 |
| Houston, TX | 49 | 3 | 76 | 9 | 1.15 | 4 | 1.34 | 10 |
| Los Angeles-Long Beach-Anaheim, CA | 46 | 4 | 119 | 1 | 1.16 | 2 | 1.52 | 1 |
| San Francisco-Oakland, CA | 46 | 4 | 103 | 3 | 1.16 | 2 | 1.51 | 2 |
| Washington, DC-VA-MD | 42 | 6 | 105 | 2 | 1.12 | 10 | 1.36 | 6 |
| Dallas-Fort Worth-Arlington, TX | 40 | 8 | 65 | 16 | 1.12 | 10 | 1.25 | 25 |
| Chicago, IL-IN | 39 | 10 | 74 | 10 | 1.10 | 29 | 1.29 | 19 |
| Atlanta, GA | 37 | 12 | 78 | 7 | 1.10 | 29 | 1.30 | 17 |
| Philadelphia, PA-NJ-DE-MD | 37 | 12 | 63 | 19 | 1.12 | 10 | 1.24 | 28 |
| Detroit, MI | 35 | 14 | 60 | 25 | 1.12 | 10 | 1.23 | 31 |
| Seattle, WA | 31 | 24 | 77 | 8 | 1.11 | 20 | 1.37 | 5 |
| Miami, FL | 27 | 42 | 74 | 10 | 1.11 | 20 | 1.34 | 10 |
| Phoenix-Mesa, AZ | 25 | 55 | 61 | 22 | 1.08 | 44 | 1.29 | 19 |
| San Diego, CA | 24 | 63 | 64 | 17 | 1.10 | 29 | 1.34 | 10 |

Very Large Urban Areas—over 3 million population.

Medium Urban Areas—over 500,000 and less than 1 million population.

Large Urban Areas—over 1 million and less than 3 million population.

Small Urban Areas—less than 500,000 population.

Yearly Delay per Auto Commuter—Extra travel time during the year divided by the number of people who commute in private vehicles in the urban area.**Travel Time Index**—The ratio of travel time in the peak period to the travel time at free-flow conditions. A value of 1.30 indicates a 20-minute free-flow trip takes 26 minutes in the peak period.Note: Please do not place too much emphasis on small differences in the rankings. There may be little difference in congestion between areas ranked (for example) 6th and 12th. The actual measure values should also be examined. The best congestion comparisons are made between similar urban areas.

Table 1. What Congestion Means to You, Continued

| Urban Area | Annual Person-Hours of Delay per 2019 Commuter | | | | Travel Time Index | | | |
|-------------------------------------|--|------|-----------|------|-------------------|------|-------------|------|
| | 2020 | | 2019 | | 2020 | | 2019 | |
| | Hours | Rank | Hours | Rank | Index | Rank | Index | Rank |
| Large Average (32 areas) | 28 | | 55 | | 1.09 | | 1.24 | |
| Austin, TX | 41 | 7 | 68 | 12 | 1.13 | 6 | 1.35 | 8 |
| Sacramento, CA | 38 | 11 | 56 | 30 | 1.11 | 20 | 1.27 | 22 |
| Oklahoma City, OK | 35 | 14 | 47 | 51 | 1.12 | 10 | 1.20 | 38 |
| Kansas City, MO-KS | 34 | 16 | 50 | 41 | 1.10 | 29 | 1.16 | 59 |
| Providence, RI-MA | 33 | 17 | 47 | 51 | 1.13 | 6 | 1.16 | 59 |
| St. Louis, MO-IL | 33 | 17 | 46 | 57 | 1.08 | 44 | 1.14 | 79 |
| Minneapolis-St. Paul, MN-WI | 32 | 21 | 59 | 26 | 1.11 | 20 | 1.26 | 23 |
| San Antonio, TX | 32 | 21 | 52 | 36 | 1.12 | 10 | 1.23 | 31 |
| Portland, OR-WA | 31 | 24 | 68 | 12 | 1.10 | 29 | 1.35 | 8 |
| San Jose, CA | 31 | 24 | 80 | 6 | 1.12 | 10 | 1.44 | 3 |
| Cleveland, OH | 29 | 29 | 47 | 51 | 1.08 | 44 | 1.14 | 79 |
| Milwaukee, WI | 29 | 29 | 47 | 51 | 1.07 | 57 | 1.16 | 59 |
| San Juan, PR | 29 | 29 | 57 | 29 | 1.13 | 6 | 1.32 | 15 |
| Memphis, TN-MS-AR | 28 | 36 | 54 | 31 | 1.08 | 44 | 1.18 | 41 |
| Nashville-Davidson, TN | 28 | 36 | 66 | 15 | 1.06 | 75 | 1.23 | 31 |
| Baltimore, MD | 27 | 42 | 63 | 19 | 1.07 | 57 | 1.26 | 23 |
| Columbus, OH | 27 | 42 | 49 | 44 | 1.08 | 44 | 1.18 | 41 |
| Cincinnati, OH-KY-IN | 26 | 47 | 52 | 36 | 1.06 | 75 | 1.17 | 49 |
| Denver-Aurora, CO | 26 | 47 | 62 | 21 | 1.09 | 40 | 1.32 | 15 |
| Indianapolis, IN | 26 | 47 | 52 | 36 | 1.06 | 75 | 1.18 | 41 |
| Salt Lake City-West Valley City, UT | 26 | 47 | 46 | 57 | 1.06 | 75 | 1.17 | 49 |
| Pittsburgh, PA | 25 | 55 | 45 | 60 | 1.08 | 44 | 1.18 | 41 |
| Riverside-San Bernardino, CA | 25 | 55 | 64 | 17 | 1.08 | 44 | 1.33 | 13 |
| Charlotte, NC-SC | 24 | 63 | 53 | 33 | 1.06 | 75 | 1.22 | 34 |
| Richmond, VA | 24 | 63 | 35 | 91 | 1.07 | 57 | 1.12 | 91 |
| Louisville-Jefferson County, KY-IN | 22 | 72 | 48 | 47 | 1.05 | 85 | 1.17 | 49 |
| Orlando, FL | 22 | 72 | 61 | 22 | 1.07 | 57 | 1.24 | 28 |
| Virginia Beach, VA | 22 | 72 | 43 | 69 | 1.06 | 75 | 1.16 | 59 |
| Jacksonville, FL | 21 | 77 | 53 | 33 | 1.06 | 75 | 1.21 | 37 |
| Las Vegas-Henderson, NV | 18 | 87 | 50 | 41 | 1.07 | 57 | 1.25 | 25 |
| Tampa-St. Petersburg, FL | 18 | 87 | 53 | 33 | 1.08 | 44 | 1.25 | 25 |
| Raleigh, NC | 17 | 92 | 40 | 78 | 1.05 | 85 | 1.17 | 49 |

Large Urban Areas—over 1 million and less than 3 million population.

Yearly Delay per Auto Commuter—Extra travel time during the year divided by the number of people who commute in private vehicles in the urban area.**Travel Time Index**—The ratio of travel time in the peak period to the travel time at free-flow conditions. A value of 1.30 indicates a 20-minute free-flow trip takes 26 minutes in the peak period.Note: Please do not place too much emphasis on small differences in the rankings. There may be little difference in congestion between areas ranked (for example) 6th and 12th. The actual measure values should also be examined. The best congestion comparisons are made between similar urban areas.

Table 1. What Congestion Means to You, Continued

| Urban Area | Annual Person-Hours of Delay per 2019 Commuter | | | | Travel Time Index | | | |
|----------------------------------|--|------|-----------|------|-------------------|------|-------------|------|
| | 2020 | | 2019 | | 2020 | | 2019 | |
| | Hours | Rank | Hours | Rank | Index | Rank | Index | Rank |
| Medium Average (33 areas) | 25 | | 45 | | 1.08 | | 1.18 | |
| Bridgeport-Stamford, CT-NY | 40 | 8 | 58 | 27 | 1.15 | 4 | 1.30 | 17 |
| Albany-Schenectady, NY | 33 | 17 | 49 | 44 | 1.11 | 20 | 1.15 | 72 |
| El Paso, TX-NM | 32 | 21 | 45 | 60 | 1.13 | 6 | 1.16 | 59 |
| Hartford, CT | 31 | 24 | 52 | 36 | 1.07 | 57 | 1.17 | 49 |
| New Haven, CT | 31 | 24 | 44 | 64 | 1.10 | 29 | 1.15 | 72 |
| Buffalo, NY | 29 | 29 | 49 | 44 | 1.08 | 44 | 1.16 | 59 |
| Colorado Springs, CO | 29 | 29 | 48 | 47 | 1.08 | 44 | 1.16 | 59 |
| Fresno, CA | 29 | 29 | 40 | 78 | 1.12 | 10 | 1.15 | 72 |
| Worcester, MA-CT | 28 | 36 | 42 | 71 | 1.10 | 29 | 1.13 | 83 |
| Akron, OH | 27 | 42 | 38 | 84 | 1.06 | 75 | 1.10 | 97 |
| Tulsa, OK | 27 | 42 | 41 | 75 | 1.08 | 44 | 1.13 | 83 |
| Charleston-North Charleston, SC | 26 | 47 | 58 | 27 | 1.07 | 57 | 1.24 | 28 |
| New Orleans, LA | 26 | 47 | 54 | 31 | 1.11 | 20 | 1.33 | 13 |
| Rochester, NY | 26 | 47 | 41 | 75 | 1.09 | 40 | 1.16 | 59 |
| McAllen, TX | 25 | 55 | 42 | 71 | 1.12 | 10 | 1.17 | 49 |
| Springfield, MA-CT | 25 | 55 | 40 | 78 | 1.07 | 57 | 1.11 | 96 |
| Wichita, KS | 25 | 55 | 36 | 87 | 1.09 | 40 | 1.13 | 83 |
| Baton Rouge, LA | 24 | 63 | 61 | 22 | 1.05 | 85 | 1.22 | 34 |
| Honolulu, HI | 24 | 63 | 68 | 12 | 1.11 | 20 | 1.42 | 4 |
| Birmingham, AL | 23 | 68 | 51 | 40 | 1.05 | 85 | 1.17 | 49 |
| Knoxville, TN | 23 | 68 | 45 | 60 | 1.05 | 85 | 1.14 | 79 |
| Albuquerque, NM | 22 | 72 | 47 | 51 | 1.06 | 75 | 1.17 | 49 |
| Grand Rapids, MI | 22 | 72 | 41 | 75 | 1.07 | 57 | 1.12 | 91 |
| Dayton, OH | 21 | 77 | 32 | 96 | 1.08 | 44 | 1.12 | 91 |
| Tucson, AZ | 21 | 77 | 50 | 41 | 1.07 | 57 | 1.20 | 38 |
| Allentown, PA-NJ | 19 | 82 | 37 | 86 | 1.09 | 40 | 1.16 | 59 |
| Columbia, SC | 19 | 82 | 44 | 64 | 1.05 | 85 | 1.15 | 72 |
| Omaha, NE-IA | 19 | 82 | 44 | 64 | 1.05 | 85 | 1.18 | 41 |
| Toledo, OH-MI | 19 | 82 | 39 | 82 | 1.07 | 57 | 1.13 | 83 |
| Cape Coral, FL | 15 | 94 | 45 | 60 | 1.06 | 75 | 1.19 | 40 |
| Provo-Orem, UT | 15 | 94 | 27 | 97 | 1.05 | 85 | 1.12 | 91 |
| Sarasota-Bradenton, FL | 12 | 98 | 35 | 91 | 1.05 | 85 | 1.18 | 41 |
| Bakersfield, CA | 11 | 99 | 26 | 98 | 1.05 | 85 | 1.15 | 72 |

Medium Urban Areas—over 500,000 and less than 1 million population.

Yearly Delay per Auto Commuter—Extra travel time during the year divided by the number of people who commute in private vehicles in the urban area.

Travel Time Index—The ratio of travel time in the peak period to the travel time at free-flow conditions. A value of 1.30 indicates a 20-minute free-flow trip takes 26 minutes in the peak period.

Note: Please do not place too much emphasis on small differences in the rankings. There may be little difference in congestion between areas ranked (for example) 6th and 12th. The actual measure values should also be examined. The best congestion comparisons are made between similar urban areas.

Table 1. What Congestion Means to You, Continued

| Urban Area | Annual Person-Hours of Delay per 2019 Commuter | | | | Travel Time Index | | | |
|---------------------------------|--|------|-----------|------|-------------------|------|-------------|------|
| | 2020 | | 2019 | | 2020 | | 2019 | |
| | Hours | Rank | Hours | Rank | Index | Rank | Index | Rank |
| Small Average (21 areas) | 21 | | 37 | | 1.07 | | 1.14 | |
| Little Rock, AR | 33 | 17 | 46 | 57 | 1.10 | 29 | 1.14 | 79 |
| Jackson, MS | 29 | 29 | 44 | 64 | 1.07 | 57 | 1.13 | 83 |
| Beaumont, TX | 28 | 36 | 42 | 71 | 1.10 | 29 | 1.12 | 91 |
| Corpus Christi, TX | 28 | 36 | 39 | 82 | 1.11 | 20 | 1.13 | 83 |
| Madison, WI | 28 | 36 | 42 | 71 | 1.05 | 85 | 1.16 | 59 |
| Poughkeepsie-Newburgh, NY-NJ | 26 | 47 | 36 | 87 | 1.07 | 57 | 1.10 | 97 |
| Greensboro, NC | 25 | 55 | 36 | 87 | 1.11 | 20 | 1.13 | 83 |
| Stockton, CA | 25 | 55 | 34 | 94 | 1.10 | 29 | 1.17 | 49 |
| Boulder, CO | 23 | 68 | 48 | 47 | 1.08 | 44 | 1.22 | 34 |
| Brownsville, TX | 23 | 68 | 36 | 87 | 1.10 | 29 | 1.13 | 83 |
| Pensacola, FL-AL | 21 | 77 | 48 | 47 | 1.07 | 57 | 1.16 | 59 |
| Spokane, WA | 20 | 81 | 47 | 51 | 1.07 | 57 | 1.16 | 59 |
| Eugene, OR | 19 | 82 | 38 | 84 | 1.07 | 57 | 1.15 | 72 |
| Anchorage, AK | 18 | 87 | 43 | 69 | 1.07 | 57 | 1.18 | 41 |
| Boise, ID | 18 | 87 | 44 | 64 | 1.05 | 85 | 1.18 | 41 |
| Oxnard, CA | 18 | 87 | 34 | 94 | 1.05 | 85 | 1.16 | 59 |
| Laredo, TX | 17 | 92 | 35 | 91 | 1.07 | 57 | 1.17 | 49 |
| Salem, OR | 15 | 94 | 40 | 78 | 1.05 | 85 | 1.15 | 72 |
| Winston-Salem, NC | 15 | 94 | 26 | 98 | 1.04 | 101 | 1.10 | 97 |
| Lancaster-Palmdale, CA | 10 | 100 | 21 | 100 | 1.05 | 85 | 1.09 | 101 |
| Indio-Cathedral City, CA | 6 | 101 | 14 | 101 | 1.05 | 85 | 1.10 | 97 |
| 101 Area Average | 33 | | 67 | | 1.11 | | 1.28 | |
| Remaining Areas Average | 11 | | 23 | | 1.06 | | 1.11 | |
| All 494 Area Average | 27 | | 54 | | 1.09 | | 1.23 | |

Very Large Urban Areas—over 3 million population.

Large Urban Areas—over 1 million and less than 3 million population.

Yearly Delay per Auto Commuter—Extra travel time during the year divided by the number of people who commute in private vehicles in the urban area.**Travel Time Index**—The ratio of travel time in the peak period to the travel time at free-flow conditions. A value of 1.30 indicates a 20-minute free-flow trip takes 26 minutes in the peak period.Note: Please do not place too much emphasis on small differences in the rankings. There may be little difference in congestion between areas ranked (for example) 6th and 12th. The actual measure values should also be examined. The best congestion comparisons are made between similar urban areas.

Medium Urban Areas—over 500,000 and less than 1 million population.

Small Urban Areas—less than 500,000 population.

Table 2. Annual Extra Travel Time for Each Urban Area and Auto Commuter

| Urban Area | Annual Person-Hours of Delay per 2019 Commuter | | | | Annual Person-Hours of Travel Delay (1,000 Hours) | | | |
|--------------------------------------|--|------|-----------|------|---|------|----------------|------|
| | 2020 | | 2019 | | 2020 | | 2019 | |
| | Hours | Rank | Hours | Rank | Hours | Rank | Hours | Rank |
| Very Large Average (15 areas) | 41 | | 84 | | 152,347 | | 312,680 | |
| New York-Newark, NY-NJ-CT | 56 | 1 | 96 | 4 | 494,268 | 1 | 846,704 | 2 |
| Boston, MA-NH-RI | 50 | 2 | 86 | 5 | 122,348 | 6 | 209,231 | 10 |
| Houston, TX | 49 | 3 | 76 | 9 | 169,765 | 4 | 263,239 | 5 |
| Los Angeles-Long Beach-Anaheim, CA | 46 | 4 | 119 | 1 | 365,543 | 2 | 952,183 | 1 |
| San Francisco-Oakland, CA | 46 | 4 | 103 | 3 | 112,507 | 8 | 255,724 | 7 |
| Washington, DC-VA-MD | 42 | 6 | 105 | 2 | 101,775 | 10 | 256,476 | 6 |
| Dallas-Fort Worth-Arlington, TX | 40 | 8 | 65 | 16 | 136,953 | 5 | 219,759 | 9 |
| Chicago, IL-IN | 39 | 10 | 74 | 10 | 172,876 | 3 | 331,657 | 3 |
| Atlanta, GA | 37 | 12 | 78 | 7 | 109,475 | 9 | 230,899 | 8 |
| Philadelphia, PA-NJ-DE-MD | 37 | 12 | 63 | 19 | 100,726 | 11 | 172,804 | 11 |
| Detroit, MI | 35 | 14 | 60 | 25 | 92,996 | 12 | 159,551 | 14 |
| Seattle, WA | 31 | 24 | 77 | 8 | 69,016 | 13 | 168,998 | 12 |
| Miami, FL | 27 | 42 | 74 | 10 | 112,879 | 7 | 309,019 | 4 |
| Phoenix-Mesa, AZ | 25 | 55 | 61 | 22 | 68,645 | 14 | 168,382 | 13 |
| San Diego, CA | 24 | 63 | 64 | 17 | 55,433 | 16 | 145,568 | 15 |

Very Large Urban Areas—over 3 million population.

Large Urban Areas—over 1 million and less than 3 million population.

Yearly Delay—Extra travel time during the year.**Yearly Delay per Auto Commuter**—Extra travel time during the year divided by the number of people who commute in private vehicles in the urban area.Note: Please do not place too much emphasis on small differences in the rankings. There may be little difference in congestion between areas ranked (for example) 6th and 12th. The actual measure values should also be examined. The best congestion comparisons are made between similar urban areas.

Medium Urban Areas—over 500,000 and less than 1 million population.

Small Urban Areas—less than 500,000 population.

Table 2. Annual Extra Travel Time for Each Urban Area and Auto Commuter, Continued

| Urban Area | Annual Person-Hours of Delay per 2019 Commuter | | | | Annual Person-Hours of Travel Delay (1,000 Hours) | | | |
|-------------------------------------|--|------|-----------|------|---|------|---------------|------|
| | 2020 | | 2019 | | 2020 | | 2019 | |
| | Hours | Rank | Hours | Rank | Hours | Rank | Hours | Rank |
| Large Average (32 areas) | 28 | | 55 | | 31,065 | | 61,751 | |
| Austin, TX | 41 | 7 | 68 | 12 | 48,435 | 18 | 81,069 | 22 |
| Sacramento, CA | 38 | 11 | 56 | 30 | 47,492 | 19 | 71,079 | 28 |
| Oklahoma City, OK | 35 | 14 | 47 | 51 | 30,057 | 30 | 41,004 | 39 |
| Kansas City, MO-KS | 34 | 16 | 50 | 41 | 35,061 | 27 | 51,326 | 34 |
| Providence, RI-MA | 33 | 17 | 47 | 51 | 26,373 | 33 | 37,425 | 45 |
| St. Louis, MO-IL | 33 | 17 | 46 | 57 | 51,115 | 17 | 71,517 | 26 |
| Minneapolis-St. Paul, MN-WI | 32 | 21 | 59 | 26 | 59,835 | 15 | 110,297 | 18 |
| San Antonio, TX | 32 | 21 | 52 | 36 | 44,999 | 22 | 71,905 | 25 |
| Portland, OR-WA | 31 | 24 | 68 | 12 | 36,065 | 26 | 78,309 | 23 |
| San Jose, CA | 31 | 24 | 80 | 6 | 46,377 | 20 | 118,687 | 16 |
| Cleveland, OH | 29 | 29 | 47 | 51 | 33,300 | 29 | 53,157 | 32 |
| Milwaukee, WI | 29 | 29 | 47 | 51 | 24,340 | 39 | 39,610 | 41 |
| San Juan, PR | 29 | 29 | 57 | 29 | 38,667 | 25 | 77,006 | 24 |
| Memphis, TN-MS-AR | 28 | 36 | 54 | 31 | 16,285 | 47 | 31,809 | 46 |
| Nashville-Davidson, TN | 28 | 36 | 66 | 15 | 25,770 | 35 | 59,525 | 30 |
| Baltimore, MD | 27 | 42 | 63 | 19 | 44,292 | 23 | 102,994 | 19 |
| Columbus, OH | 27 | 42 | 49 | 44 | 26,055 | 34 | 46,578 | 37 |
| Cincinnati, OH-KY-IN | 26 | 47 | 52 | 36 | 28,436 | 31 | 57,734 | 31 |
| Denver-Aurora, CO | 26 | 47 | 62 | 21 | 46,181 | 21 | 111,366 | 17 |
| Indianapolis, IN | 26 | 47 | 52 | 36 | 23,362 | 40 | 47,617 | 36 |
| Salt Lake City-West Valley City, UT | 26 | 47 | 46 | 57 | 17,124 | 45 | 29,571 | 49 |
| Pittsburgh, PA | 25 | 55 | 45 | 60 | 24,743 | 37 | 44,556 | 38 |
| Riverside-San Bernardino, CA | 25 | 55 | 64 | 17 | 38,687 | 24 | 99,863 | 20 |
| Charlotte, NC-SC | 24 | 63 | 53 | 33 | 23,138 | 41 | 51,737 | 33 |
| Richmond, VA | 24 | 63 | 35 | 91 | 15,862 | 50 | 23,510 | 57 |
| Louisville-Jefferson County, KY-IN | 22 | 72 | 48 | 47 | 13,886 | 54 | 30,610 | 48 |
| Orlando, FL | 22 | 72 | 61 | 22 | 25,458 | 36 | 71,267 | 27 |
| Virginia Beach, VA | 22 | 72 | 43 | 69 | 19,220 | 43 | 38,378 | 44 |
| Jacksonville, FL | 21 | 77 | 53 | 33 | 16,143 | 48 | 40,733 | 40 |
| Las Vegas-Henderson, NV | 18 | 87 | 50 | 41 | 21,702 | 42 | 60,761 | 29 |
| Tampa-St. Petersburg, FL | 18 | 87 | 53 | 33 | 34,479 | 28 | 98,821 | 21 |
| Raleigh, NC | 17 | 92 | 40 | 78 | 11,144 | 60 | 26,220 | 53 |

Very Large Urban Areas—over 3 million population.

Large Urban Areas—over 1 million and less than 3 million population.

Yearly Delay—Extra travel time during the year.**Yearly Delay per Auto Commuter**—Extra travel time during the year divided by the number of people who commute in private vehicles in the urban area.Note: Please do not place too much emphasis on small differences in the rankings. There may be little difference in congestion between areas ranked (for example) 6th and 12th. The actual measure values should also be examined. The best congestion comparisons are made between similar urban areas.

Medium Urban Areas—over 500,000 and less than 1 million population.

Small Urban Areas—less than 500,000 population.

Table 2. Annual Extra Travel Time for Each Urban Area and Auto Commuter, Continued

| Urban Area | Annual Person-Hours of Delay per 2019 Commuter | | | | Annual Person-Hours of Travel Delay (1,000 Hours) | | | |
|----------------------------------|--|------|-----------|------|---|------|---------------|------|
| | 2020 | | 2019 | | 2020 | | 2019 | |
| | Hours | Rank | Hours | Rank | Hours | Rank | Hours | Rank |
| Medium Average (33 areas) | 25 | | 45 | | 11,391 | | 21,251 | |
| Bridgeport-Stamford, CT-NY | 40 | 8 | 58 | 27 | 27,235 | 32 | 39,387 | 42 |
| Albany-Schenectady, NY | 33 | 17 | 49 | 44 | 10,518 | 64 | 15,617 | 72 |
| El Paso, TX-NM | 32 | 21 | 45 | 60 | 17,490 | 44 | 24,967 | 55 |
| Hartford, CT | 31 | 24 | 52 | 36 | 16,928 | 46 | 28,583 | 51 |
| New Haven, CT | 31 | 24 | 44 | 64 | 10,778 | 63 | 15,397 | 73 |
| Buffalo, NY | 29 | 29 | 49 | 44 | 16,005 | 49 | 27,343 | 52 |
| Colorado Springs, CO | 29 | 29 | 48 | 47 | 12,116 | 59 | 20,010 | 64 |
| Fresno, CA | 29 | 29 | 40 | 78 | 13,890 | 53 | 19,335 | 65 |
| Worcester, MA-CT | 28 | 36 | 42 | 71 | 8,922 | 73 | 13,085 | 77 |
| Akron, OH | 27 | 42 | 38 | 84 | 11,120 | 61 | 15,835 | 71 |
| Tulsa, OK | 27 | 42 | 41 | 75 | 14,440 | 52 | 21,870 | 60 |
| Charleston-North Charleston, SC | 26 | 47 | 58 | 27 | 10,973 | 62 | 24,780 | 56 |
| New Orleans, LA | 26 | 47 | 54 | 31 | 24,668 | 38 | 51,289 | 35 |
| Rochester, NY | 26 | 47 | 41 | 75 | 10,199 | 66 | 16,489 | 70 |
| McAllen, TX | 25 | 55 | 42 | 71 | 13,202 | 56 | 22,555 | 58 |
| Springfield, MA-CT | 25 | 55 | 40 | 78 | 9,391 | 70 | 15,218 | 74 |
| Wichita, KS | 25 | 55 | 36 | 87 | 7,423 | 78 | 10,790 | 84 |
| Baton Rouge, LA | 24 | 63 | 61 | 22 | 10,151 | 67 | 25,307 | 54 |
| Honolulu, HI | 24 | 63 | 68 | 12 | 13,365 | 55 | 38,532 | 43 |
| Birmingham, AL | 23 | 68 | 51 | 40 | 12,935 | 58 | 28,789 | 50 |
| Knoxville, TN | 23 | 68 | 45 | 60 | 9,058 | 72 | 17,570 | 66 |
| Albuquerque, NM | 22 | 72 | 47 | 51 | 10,229 | 65 | 21,780 | 61 |
| Grand Rapids, MI | 22 | 72 | 41 | 75 | 9,472 | 69 | 17,240 | 68 |
| Dayton, OH | 21 | 77 | 32 | 96 | 9,187 | 71 | 14,481 | 76 |
| Tucson, AZ | 21 | 77 | 50 | 41 | 13,189 | 57 | 31,552 | 47 |
| Allentown, PA-NJ | 19 | 82 | 37 | 86 | 7,535 | 77 | 14,953 | 75 |
| Columbia, SC | 19 | 82 | 44 | 64 | 7,362 | 80 | 16,893 | 69 |
| Omaha, NE-IA | 19 | 82 | 44 | 64 | 9,777 | 68 | 22,404 | 59 |
| Toledo, OH-MI | 19 | 82 | 39 | 82 | 5,328 | 84 | 11,042 | 82 |
| Cape Coral, FL | 15 | 94 | 45 | 60 | 7,399 | 79 | 21,377 | 62 |
| Provo-Orem, UT | 15 | 94 | 27 | 97 | 5,275 | 86 | 9,621 | 88 |
| Sarasota-Bradenton, FL | 12 | 98 | 35 | 91 | 6,122 | 83 | 17,519 | 67 |
| Bakersfield, CA | 11 | 99 | 26 | 98 | 4,211 | 91 | 9,684 | 87 |

Very Large Urban Areas—over 3 million population.

Large Urban Areas—over 1 million and less than 3 million population.

Yearly Delay—Extra travel time during the year.**Yearly Delay per Auto Commuter**—Extra travel time during the year divided by the number of people who commute in private vehicles in the urban area.Note: Please do not place too much emphasis on small differences in the rankings. There may be little difference in congestion between areas ranked (for example) 6th and 12th. The actual measure values should also be examined. The best congestion comparisons are made between similar urban areas.

Medium Urban Areas—over 500,000 and less than 1 million population.

Small Urban Areas—less than 500,000 population.

Table 2. Annual Extra Travel Time for Each Urban Area and Auto Commuter, Continued

| Urban Area | Annual Person-Hours of Delay per 2019 Commuter | | | | Annual Person-Hours of Travel Delay (1,000 Hours)) | | | |
|---------------------------------|--|------|-----------|------|--|------|---------------|------|
| | 2020 | | 2019 | | 2020 | | 2019 | |
| | Hours | Rank | Hours | Rank | Hours | Rank | Hours | Rank |
| Small Average (21 areas) | 21 | | 37 | | 5,092 | | 8,855 | |
| Little Rock, AR | 33 | 17 | 46 | 57 | 14,655 | 51 | 20,266 | 63 |
| Jackson, MS | 29 | 29 | 44 | 64 | 8,409 | 74 | 12,836 | 78 |
| Beaumont, TX | 28 | 36 | 42 | 71 | 3,154 | 96 | 4,772 | 101 |
| Corpus Christi, TX | 28 | 36 | 39 | 82 | 7,103 | 81 | 9,813 | 86 |
| Madison, WI | 28 | 36 | 42 | 71 | 7,945 | 75 | 12,064 | 80 |
| Poughkeepsie-Newburgh, NY-NJ | 26 | 47 | 36 | 87 | 6,204 | 82 | 8,682 | 89 |
| Greensboro, NC | 25 | 55 | 36 | 87 | 5,320 | 85 | 7,697 | 91 |
| Stockton, CA | 25 | 55 | 34 | 94 | 7,899 | 76 | 10,797 | 83 |
| Boulder, CO | 23 | 68 | 48 | 47 | 2,312 | 101 | 4,865 | 100 |
| Brownsville, TX | 23 | 68 | 36 | 87 | 3,788 | 92 | 5,944 | 97 |
| Pensacola, FL-AL | 21 | 77 | 48 | 47 | 4,695 | 89 | 10,537 | 85 |
| Spokane, WA | 20 | 81 | 47 | 51 | 5,114 | 87 | 11,913 | 81 |
| Eugene, OR | 19 | 82 | 38 | 84 | 3,172 | 95 | 6,504 | 95 |
| Anchorage, AK | 18 | 87 | 43 | 69 | 3,080 | 97 | 7,304 | 93 |
| Boise, ID | 18 | 87 | 44 | 64 | 5,102 | 88 | 12,525 | 79 |
| Oxnard, CA | 18 | 87 | 34 | 94 | 3,379 | 94 | 6,499 | 96 |
| Laredo, TX | 17 | 92 | 35 | 91 | 3,594 | 93 | 7,487 | 92 |
| Salem, OR | 15 | 94 | 40 | 78 | 2,541 | 99 | 6,772 | 94 |
| Winston-Salem, NC | 15 | 94 | 26 | 98 | 4,455 | 90 | 7,752 | 90 |
| Lancaster-Palmdale, CA | 10 | 100 | 21 | 100 | 2,456 | 100 | 5,089 | 99 |
| Indio-Cathedral City, CA | 6 | 101 | 14 | 101 | 2,557 | 98 | 5,832 | 98 |
| 101 Area Average | 33 | | 67 | | 37,249 | | 74,787 | |
| Remaining Areas Average | 11 | | 23 | | 1,754 | | 3,497 | |
| All 494 Area Average | 27 | | 54 | | 9,011 | | 18,073 | |

Very Large Urban Areas—over 3 million population.

Large Urban Areas—over 1 million and less than 3 million population.

Yearly Delay—Extra travel time during the year.**Yearly Delay per Auto Commuter**—Extra travel time during the year divided by the number of people who commute in private vehicles in the urban area.Note: Please do not place too much emphasis on small differences in the rankings. There may be little difference in congestion between areas ranked (for example) 6th and 12th. The actual measure values should also be examined. The best congestion comparisons are made between similar urban areas.

Medium Urban Areas—over 500,000 and less than 1 million population.

Small Urban Areas—less than 500,000 population.

Table 3. Extra Travel Time and Vehicle Travel, 2019 and 2020

| Urban Area | Annual Person-Hours of Delay | | | | Daily Vehicle-Miles of Travel (Freeway & Arterial) | | | |
|--------------------------------------|------------------------------|------|----------------|------|--|------|----------------|------|
| | 2020 | | 2019 | | 2020 | | 2019 | |
| | Hours (000) | Rank | Hours (000) | Rank | Miles (000) | Rank | Miles (000) | Rank |
| Very Large Average (15 areas) | 152,347 | | 312,680 | | 88,426 | | 110,912 | |
| New York-Newark NY-NJ-CT | 494,268 | 1 | 846,704 | 2 | 171,866 | 2 | 231,313 | 2 |
| Los Angeles-Long Beach-Anaheim, CA | 365,543 | 2 | 952,183 | 1 | 194,226 | 1 | 242,783 | 1 |
| Chicago, IL-IN | 172,876 | 3 | 331,657 | 3 | 106,345 | 3 | 133,599 | 3 |
| Houston, TX | 169,765 | 4 | 263,239 | 5 | 97,490 | 6 | 113,229 | 6 |
| Dallas-Fort Worth-Arlington, TX | 136,953 | 5 | 219,759 | 9 | 103,211 | 4 | 120,574 | 4 |
| Boston, MA-NH-RI | 122,348 | 6 | 209,231 | 10 | 69,641 | 8 | 91,034 | 8 |
| Miami, FL | 112,879 | 7 | 309,019 | 4 | 83,188 | 7 | 103,211 | 7 |
| San Francisco-Oakland, CA | 112,507 | 8 | 255,724 | 7 | 42,345 | 19 | 58,731 | 16 |
| Atlanta, GA | 109,475 | 9 | 230,899 | 8 | 101,772 | 5 | 116,979 | 5 |
| Washington, DC-VA-MD | 101,775 | 10 | 256,476 | 6 | 68,369 | 9 | 89,022 | 9 |
| Philadelphia, PA-NJ-DE-MD | 100,726 | 11 | 172,804 | 11 | 66,797 | 10 | 86,301 | 10 |
| Detroit, MI | 92,996 | 12 | 159,551 | 14 | 59,133 | 12 | 79,587 | 11 |
| Seattle, WA | 69,016 | 13 | 168,998 | 12 | 45,760 | 15 | 58,818 | 15 |
| Phoenix-Mesa, AZ | 68,645 | 14 | 168,382 | 13 | 66,486 | 11 | 75,897 | 12 |
| San Diego, CA | 55,433 | 16 | 145,568 | 15 | 49,765 | 13 | 62,598 | 13 |

Very Large Urban Areas—over 3 million population.

Large Urban Areas—over 1 million and less than 3 million population.

Yearly Delay—Extra travel time during the year.**Travel Volume**—Miles traveled by all vehicles during the year.Note: Please do not place too much emphasis on small differences in the rankings. There may be little difference in congestion between areas ranked (for example) 6th and 12th. The actual measure values should also be examined. The best congestion comparisons are made between similar urban areas.

Medium Urban Areas—over 500,000 and less than 1 million population.

Small Urban Areas—less than 500,000 population.

Table 3. Extra Travel Time and Vehicle Travel, 2019 and 2020, Continued

| Urban Area | Annual Person-Hours of Delay | | | | Daily Vehicle-Miles of Travel (Freeway & Arterial) | | | |
|-------------------------------------|------------------------------|------|---------------|------|--|------|---------------|------|
| | 2020 | | 2019 | | 2020 | | 2019 | |
| | Hours (000) | Rank | Hours (000) | Rank | Miles (000) | Rank | Miles (000) | Rank |
| Large Average (32 areas) | 31,065 | | 61,751 | | 27,698 | | 33,140 | |
| Minneapolis-St. Paul, MN-WI | 59,835 | 15 | 110,297 | 18 | 46,966 | 14 | 58,928 | 14 |
| St. Louis, MO-IL | 51,115 | 17 | 71,517 | 26 | 42,798 | 18 | 50,889 | 18 |
| Austin, TX | 48,435 | 18 | 81,069 | 22 | 26,722 | 31 | 32,351 | 29 |
| Sacramento, CA | 47,492 | 19 | 71,079 | 28 | 26,787 | 30 | 31,075 | 32 |
| San Jose, CA | 46,377 | 20 | 118,687 | 16 | 22,973 | 38 | 31,862 | 30 |
| Denver-Aurora, CO | 46,181 | 21 | 111,366 | 17 | 44,025 | 16 | 51,491 | 17 |
| San Antonio, TX | 44,999 | 22 | 71,905 | 25 | 36,744 | 21 | 44,005 | 21 |
| Baltimore, MD | 44,292 | 23 | 102,994 | 19 | 39,355 | 20 | 50,585 | 19 |
| Riverside-San Bernardino, CA | 38,687 | 24 | 99,863 | 20 | 33,515 | 22 | 41,894 | 22 |
| San Juan, PR | 38,667 | 25 | 77,006 | 24 | 18,725 | 44 | 20,806 | 45 |
| Portland, OR-WA | 36,065 | 26 | 78,309 | 23 | 24,186 | 34 | 30,119 | 35 |
| Kansas City, MO-KS | 35,061 | 27 | 51,326 | 34 | 32,648 | 23 | 38,409 | 23 |
| Tampa-St. Petersburg, FL | 34,479 | 28 | 98,821 | 21 | 43,838 | 17 | 49,873 | 20 |
| Cleveland, OH | 33,300 | 29 | 53,157 | 32 | 27,027 | 29 | 32,760 | 28 |
| Oklahoma City, OK | 30,057 | 30 | 41,004 | 39 | 18,174 | 45 | 20,284 | 46 |
| Cincinnati, OH-KY-IN | 28,436 | 31 | 57,734 | 31 | 28,378 | 26 | 33,191 | 27 |
| Providence, RI-MA | 26,373 | 33 | 37,425 | 45 | 16,081 | 47 | 20,911 | 44 |
| Columbus, OH | 26,055 | 34 | 46,578 | 37 | 24,730 | 33 | 30,159 | 34 |
| Nashville-Davidson, TN | 25,770 | 35 | 59,525 | 30 | 32,451 | 24 | 37,214 | 24 |
| Orlando, FL | 25,458 | 36 | 71,267 | 27 | 29,856 | 25 | 36,859 | 25 |
| Pittsburgh, PA | 24,743 | 37 | 44,556 | 38 | 23,145 | 36 | 28,645 | 36 |
| Milwaukee, WI | 24,340 | 39 | 39,610 | 41 | 23,052 | 37 | 28,600 | 37 |
| Indianapolis, IN | 23,362 | 40 | 47,617 | 36 | 28,169 | 27 | 33,455 | 26 |
| Charlotte, NC-SC | 23,138 | 41 | 51,737 | 33 | 27,333 | 28 | 31,238 | 31 |
| Las Vegas-Henderson, NV | 21,702 | 42 | 60,761 | 29 | 25,697 | 32 | 30,628 | 33 |
| Virginia Beach, VA | 19,220 | 43 | 38,378 | 44 | 23,717 | 35 | 27,707 | 38 |
| Salt Lake City-West Valley City, UT | 17,124 | 45 | 29,571 | 49 | 17,886 | 46 | 20,052 | 47 |
| Memphis, TN-MS-AR | 16,285 | 47 | 31,809 | 46 | 22,517 | 40 | 25,472 | 39 |
| Jacksonville, FL | 16,143 | 48 | 40,733 | 40 | 22,712 | 39 | 24,395 | 40 |
| Richmond, VA | 15,862 | 50 | 23,510 | 57 | 20,601 | 41 | 24,180 | 41 |
| Louisville-Jefferson County, KY-IN | 13,886 | 54 | 30,610 | 48 | 15,271 | 48 | 18,443 | 49 |
| Raleigh, NC | 11,144 | 60 | 26,220 | 53 | 20,265 | 42 | 24,011 | 42 |

Very Large Urban Areas—over 3 million population.

Large Urban Areas—over 1 million and less than 3 million population.

Yearly Delay—Extra travel time during the year.**Travel Volume**—Miles traveled by all vehicles during the year.Note: Please do not place too much emphasis on small differences in the rankings. There may be little difference in congestion between areas ranked (for example) 6th and 12th. The actual measure values should also be examined. The best congestion comparisons are made between similar urban areas.

Medium Urban Areas—over 500,000 and less than 1 million population.

Small Urban Areas—less than 500,000 population.

Table 3. Extra Travel Time and Vehicle Travel, 2019 and 2020, Continued

| Urban Area | Annual Person-Hours of Delay | | | | Daily Vehicle-Miles of Travel (Freeway & Arterial) | | | |
|----------------------------------|------------------------------|------|---------------|------|--|------|---------------|------|
| | 2020 | | 2019 | | 2020 | | 2019 | |
| | Hours (000) | Rank | Hours (000) | Rank | Miles (000) | Rank | Miles (000) | Rank |
| Medium Average (33 areas) | 11,391 | | 21,251 | | 10,766 | | 12,786 | |
| Bridgeport-Stamford, CT-NY | 27,235 | 32 | 39,387 | 42 | 13,011 | 52 | 16,533 | 51 |
| New Orleans, LA | 24,668 | 38 | 51,289 | 35 | 10,902 | 62 | 12,589 | 65 |
| El Paso, TX-NM | 17,490 | 44 | 24,967 | 55 | 11,577 | 60 | 14,153 | 57 |
| Hartford, CT | 16,928 | 46 | 28,583 | 51 | 15,142 | 50 | 19,240 | 48 |
| Buffalo, NY | 16,005 | 49 | 27,343 | 52 | 12,761 | 54 | 16,747 | 50 |
| Tulsa, OK | 14,440 | 52 | 21,870 | 60 | 14,233 | 51 | 15,555 | 53 |
| Fresno, CA | 13,890 | 53 | 19,335 | 65 | 8,476 | 79 | 10,055 | 79 |
| Honolulu, HI | 13,365 | 55 | 38,532 | 43 | 7,030 | 84 | 9,873 | 80 |
| McAllen, TX | 13,202 | 56 | 22,555 | 58 | 8,585 | 77 | 10,560 | 74 |
| Tucson, AZ | 13,189 | 57 | 31,552 | 47 | 12,259 | 58 | 13,931 | 60 |
| Birmingham, AL | 12,935 | 58 | 28,789 | 50 | 19,249 | 43 | 21,364 | 43 |
| Colorado Springs, CO | 12,116 | 59 | 20,010 | 64 | 10,284 | 66 | 11,313 | 71 |
| Akron, OH | 11,120 | 61 | 15,835 | 71 | 8,987 | 74 | 10,776 | 72 |
| Charleston-North Charleston, SC | 10,973 | 62 | 24,780 | 56 | 10,862 | 63 | 11,807 | 69 |
| New Haven, CT | 10,778 | 63 | 15,397 | 73 | 9,450 | 73 | 12,008 | 68 |
| Albany-Schenectady, NY | 10,518 | 64 | 15,617 | 72 | 9,669 | 71 | 12,011 | 67 |
| Albuquerque, NM | 10,229 | 65 | 21,780 | 61 | 11,840 | 59 | 14,012 | 59 |
| Rochester, NY | 10,199 | 66 | 16,489 | 70 | 10,126 | 67 | 13,134 | 63 |
| Baton Rouge, LA | 10,151 | 67 | 25,307 | 54 | 12,749 | 55 | 14,309 | 55 |
| Omaha, NE-IA | 9,777 | 68 | 22,404 | 59 | 11,062 | 61 | 13,458 | 62 |
| Grand Rapids, MI | 9,472 | 69 | 17,240 | 68 | 10,706 | 64 | 13,796 | 61 |
| Springfield, MA-CT | 9,391 | 70 | 15,218 | 74 | 9,497 | 72 | 12,414 | 66 |
| Dayton, OH | 9,187 | 71 | 14,481 | 76 | 12,328 | 57 | 14,469 | 54 |
| Knoxville, TN | 9,058 | 72 | 17,570 | 66 | 15,148 | 49 | 16,306 | 52 |
| Worcester, MA-CT | 8,922 | 73 | 13,085 | 77 | 9,927 | 68 | 12,977 | 64 |
| Allentown, PA-NJ | 7,535 | 77 | 14,953 | 75 | 8,680 | 76 | 10,756 | 73 |
| Wichita, KS | 7,423 | 78 | 10,790 | 84 | 6,338 | 85 | 7,011 | 88 |
| Cape Coral, FL | 7,399 | 79 | 21,377 | 62 | 9,763 | 70 | 10,431 | 76 |
| Columbia, SC | 7,362 | 80 | 16,893 | 69 | 12,438 | 56 | 14,023 | 58 |
| Sarasota-Bradenton, FL | 6,122 | 83 | 17,519 | 67 | 9,898 | 69 | 10,530 | 75 |
| Toledo, OH-MI | 5,328 | 84 | 11,042 | 82 | 7,540 | 82 | 9,139 | 82 |
| Provo-Orem, UT | 5,275 | 86 | 9,621 | 88 | 8,571 | 78 | 9,609 | 81 |
| Bakersfield, CA | 4,211 | 91 | 9,684 | 87 | 6,171 | 86 | 7,044 | 86 |

Very Large Urban Areas—over 3 million population.

Large Urban Areas—over 1 million and less than 3 million population.

Yearly Delay—Extra travel time during the year.**Travel Volume**—Miles traveled by all vehicles during the year.Note: Please do not place too much emphasis on small differences in the rankings. There may be little difference in congestion between areas ranked (for example) 6th and 12th. The actual measure values should also be examined. The best congestion comparisons are made between similar urban areas.

Medium Urban Areas—over 500,000 and less than 1 million population.

Small Urban Areas—less than 500,000 population.

Table 3. Extra Travel Time and Vehicle Travel, 2019 and 2020, Continued

| Urban Area | Annual Person-Hours of Delay | | | | Daily Vehicle-Miles of Travel (Freeway & Arterial) | | | |
|---------------------------------|------------------------------|------|---------------|------|--|------|---------------|------|
| | 2020 | | 2019 | | 2020 | | 2019 | |
| | Hours (000) | Rank | Hours (000) | Rank | Miles (000) | Rank | Miles (000) | Rank |
| Small Average (21 areas) | 5,092 | | 8,855 | | 5,545 | | 6,446 | |
| Little Rock, AR | 14,655 | 51 | 20,266 | 63 | 12,998 | 53 | 14,283 | 56 |
| Jackson, MS | 8,409 | 74 | 12,836 | 78 | 10,653 | 65 | 11,771 | 70 |
| Madison, WI | 7,945 | 75 | 12,064 | 80 | 6,143 | 87 | 7,621 | 84 |
| Stockton, CA | 7,899 | 76 | 10,797 | 83 | 5,304 | 92 | 6,277 | 92 |
| Corpus Christi, TX | 7,103 | 81 | 9,813 | 86 | 5,980 | 88 | 6,600 | 89 |
| Poughkeepsie-Newburgh, NY-NJ | 6,204 | 82 | 8,682 | 89 | 8,039 | 80 | 10,320 | 78 |
| Greensboro, NC | 5,320 | 85 | 7,697 | 91 | 8,951 | 75 | 10,348 | 77 |
| Spokane, WA | 5,114 | 87 | 11,913 | 81 | 5,607 | 91 | 7,044 | 86 |
| Boise, ID | 5,102 | 88 | 12,525 | 79 | 5,841 | 89 | 6,555 | 90 |
| Pensacola, FL-AL | 4,695 | 89 | 10,537 | 85 | 7,097 | 83 | 7,463 | 85 |
| Winston-Salem, NC | 4,455 | 90 | 7,752 | 90 | 7,765 | 81 | 8,977 | 83 |
| Brownsville, TX | 3,788 | 92 | 5,944 | 97 | 2,254 | 100 | 2,772 | 100 |
| Laredo, TX | 3,594 | 93 | 7,487 | 92 | 2,411 | 99 | 2,965 | 99 |
| Oxnard, CA | 3,379 | 94 | 6,499 | 96 | 4,103 | 93 | 4,776 | 93 |
| Eugene, OR | 3,172 | 95 | 6,504 | 95 | 2,772 | 97 | 3,452 | 97 |
| Beaumont, TX | 3,154 | 96 | 4,772 | 101 | 3,459 | 95 | 4,017 | 95 |
| Anchorage, AK | 3,080 | 97 | 7,304 | 93 | 2,570 | 98 | 3,031 | 98 |
| Indio-Cathedral City, CA | 2,557 | 98 | 5,832 | 98 | 5,608 | 90 | 6,528 | 91 |
| Salem, OR | 2,541 | 99 | 6,772 | 94 | 3,222 | 96 | 4,012 | 96 |
| Lancaster-Palmdale, CA | 2,456 | 100 | 5,089 | 99 | 4,055 | 94 | 4,721 | 94 |
| Boulder, CO | 2,312 | 101 | 4,865 | 100 | 1,616 | 101 | 1,832 | 101 |
| 101 Area Average | 37,249 | | 74,787 | | 26,579 | | 32,490 | |
| Remaining Areas Average | 1,754 | | 3,497 | | 2,254 | | 2,758 | |
| All 494 Area Average | 9,011 | | 18,072 | | 7,227 | | 8,836 | |

Very Large Urban Areas—over 3 million population.

Large Urban Areas—over 1 million and less than 3 million population.

Yearly Delay—Extra travel time during the year.**Travel Volume**—Miles traveled by all vehicles during the year.

Note: Please do not place too much emphasis on small differences in the rankings. There may be little difference in congestion between areas ranked (for example) 6th and 12th. The actual measure values should also be examined. The best congestion comparisons are made between similar urban areas.

Medium Urban Areas—over 500,000 and less than 1 million population.

Small Urban Areas—less than 500,000 population.

Table 4. Excess Fuel Consumption Due to Congestion

| Urban Area | Excess Fuel Consumed per 2019 Commuter | | | | Annual Excess Fuel Consumed (000) | | | |
|--------------------------------------|--|------|-----------|------|-----------------------------------|------|----------------|------|
| | 2020 | | 2019 | | 2020 | | 2019 | |
| | Gallons | Rank | Gallons | Rank | Gallons | Rank | Gallons | Rank |
| Very Large Average (15 areas) | 16 | | 33 | | 59,751 | | 121,765 | |
| New York-Newark, NY-NJ-CT | 23 | 1 | 39 | 3 | 196,072 | 1 | 335,880 | 2 |
| Houston, TX | 21 | 2 | 33 | 7 | 68,295 | 4 | 105,899 | 6 |
| Boston, MA-NH-RI | 20 | 3 | 34 | 6 | 50,540 | 7 | 86,430 | 9 |
| San Francisco-Oakland, CA | 17 | 4 | 40 | 2 | 40,915 | 9 | 92,997 | 8 |
| Chicago, IL-IN | 16 | 5 | 30 | 12 | 71,348 | 3 | 136,878 | 3 |
| Dallas-Fort Worth-Arlington, TX | 16 | 5 | 26 | 16 | 52,105 | 6 | 83,609 | 10 |
| Washington, DC-VA-MD | 16 | 5 | 41 | 1 | 38,932 | 11 | 98,110 | 7 |
| Atlanta, GA | 15 | 9 | 31 | 10 | 57,820 | 5 | 121,952 | 4 |
| Philadelphia, PA-NJ-DE-MD | 15 | 9 | 26 | 16 | 40,400 | 10 | 69,310 | 11 |
| Los Angeles-Long Beach-Anaheim, CA | 14 | 17 | 35 | 5 | 132,619 | 2 | 345,453 | 1 |
| Detroit, MI | 13 | 28 | 23 | 33 | 35,113 | 12 | 60,243 | 14 |
| Miami, FL | 13 | 28 | 37 | 4 | 44,167 | 8 | 120,912 | 5 |
| Seattle, WA | 13 | 28 | 32 | 8 | 27,569 | 13 | 67,508 | 12 |
| Phoenix-Mesa, AZ | 10 | 59 | 25 | 21 | 27,334 | 14 | 67,049 | 13 |
| San Diego, CA | 9 | 70 | 24 | 27 | 13,039 | 28 | 34,240 | 21 |

Very Large Urban Areas—over 3 million population.

Medium Urban Areas—over 500,000 and less than 1 million population.

Large Urban Areas—over 1 million and less than 3 million population.

Small Urban Areas—less than 500,000 population.

Excess Fuel Consumed—Increased fuel consumption due to travel in congested conditions rather than free-flow conditions.**Excess Fuel per Auto Commuter**—Extra fuel consumed during the year divided by the number of people who commute in private vehicles in the urban area.Note: Please do not place too much emphasis on small differences in the rankings. There may be little difference in congestion between areas ranked (for example) 6th and 12th. The actual measure values should also be examined. The best congestion comparisons are made between similar urban areas.

Table 4. Excess Fuel Consumption Due to Congestion, Continued

| Urban Area | Excess Fuel Consumed per 2019 Commuter | | | | Annual Excess Fuel Consumed (000) | | | |
|-------------------------------------|--|------|-----------|------|-----------------------------------|------|---------------|------|
| | 2020 | | 2019 | | 2020 | | 2019 | |
| | Gallons | Rank | Gallons | Rank | Gallons | Rank | Gallons | Rank |
| Large Average (32 areas) | 11 | | 23 | | 12,456 | | 24,641 | |
| Austin, TX | 15 | 9 | 25 | 21 | 18,046 | 18 | 30,205 | 23 |
| Cleveland, OH | 15 | 9 | 24 | 27 | 17,308 | 20 | 27,628 | 28 |
| Oklahoma City, OK | 15 | 9 | 20 | 52 | 11,757 | 31 | 16,039 | 42 |
| Sacramento, CA | 15 | 9 | 23 | 33 | 15,527 | 24 | 23,239 | 32 |
| San Antonio, TX | 15 | 9 | 24 | 27 | 17,686 | 19 | 28,260 | 27 |
| Milwaukee, WI | 14 | 17 | 23 | 33 | 11,419 | 32 | 18,582 | 38 |
| Portland, OR-WA | 14 | 17 | 31 | 10 | 16,151 | 23 | 35,070 | 20 |
| Salt Lake City-West Valley City, UT | 14 | 17 | 24 | 27 | 8,638 | 42 | 14,916 | 45 |
| San Juan, PR | 14 | 17 | 28 | 15 | 14,672 | 25 | 29,219 | 25 |
| St. Louis, MO-IL | 14 | 17 | 19 | 62 | 21,143 | 16 | 29,582 | 24 |
| Nashville-Davidson, TN | 13 | 28 | 29 | 14 | 10,826 | 37 | 25,006 | 30 |
| Providence, RI-MA | 13 | 28 | 19 | 62 | 11,030 | 35 | 15,652 | 43 |
| San Jose, CA | 13 | 28 | 32 | 8 | 16,277 | 22 | 41,655 | 16 |
| Cincinnati, OH-KY-IN | 12 | 39 | 25 | 21 | 12,451 | 30 | 25,279 | 29 |
| Columbus, OH | 12 | 39 | 21 | 43 | 11,007 | 36 | 19,677 | 36 |
| Indianapolis, IN | 12 | 39 | 24 | 27 | 10,625 | 39 | 21,655 | 34 |
| Minneapolis-St. Paul, MN-WI | 12 | 39 | 22 | 39 | 22,154 | 15 | 40,837 | 17 |
| Pittsburgh, PA | 12 | 39 | 21 | 43 | 10,740 | 38 | 19,340 | 37 |
| Richmond, VA | 12 | 39 | 18 | 69 | 6,266 | 50 | 9,287 | 58 |
| Kansas City, MO-KS | 11 | 51 | 16 | 81 | 14,325 | 26 | 20,971 | 35 |
| Memphis, TN-MS-AR | 11 | 51 | 21 | 43 | 7,747 | 44 | 15,133 | 44 |
| Baltimore, MD | 10 | 59 | 23 | 33 | 16,825 | 21 | 39,125 | 19 |
| Charlotte, NC-SC | 10 | 59 | 21 | 43 | 8,206 | 43 | 18,348 | 39 |
| Denver-Aurora, CO | 10 | 59 | 25 | 21 | 18,644 | 17 | 44,960 | 15 |
| Louisville-Jefferson County, KY-IN | 9 | 70 | 20 | 52 | 6,125 | 51 | 13,501 | 49 |
| Orlando, FL | 9 | 70 | 25 | 21 | 10,208 | 40 | 28,577 | 26 |
| Virginia Beach, VA | 8 | 82 | 15 | 91 | 7,171 | 47 | 14,318 | 47 |
| Jacksonville, FL | 7 | 90 | 18 | 69 | 5,730 | 52 | 14,458 | 46 |
| Las Vegas-Henderson, NV | 7 | 90 | 20 | 52 | 8,784 | 41 | 24,594 | 31 |
| Raleigh, NC | 7 | 90 | 16 | 81 | 4,087 | 68 | 9,615 | 56 |
| Riverside-San Bernardino, CA | 7 | 90 | 19 | 62 | 12,899 | 29 | 33,296 | 22 |
| Tampa-St. Petersburg, FL | 7 | 90 | 21 | 43 | 14,128 | 27 | 40,492 | 18 |

Very Large Urban Areas—over 3 million population.

Large Urban Areas—over 1 million and less than 3 million population.

Excess Fuel Consumed—Increased fuel consumption due to travel in congested conditions rather than free-flow conditions.**Excess Fuel per Auto Commuter**—Extra fuel consumed during the year divided by the number of people who commute in private vehicles in the urban area.Note: Please do not place too much emphasis on small differences in the rankings. There may be little difference in congestion between areas ranked (for example) 6th and 12th. The actual measure values should also be examined. The best congestion comparisons are made between similar urban areas.

Medium Urban Areas—over 500,000 and less than 1 million population.

Small Urban Areas—less than 500,000 population.

Table 4. Excess Fuel Consumption Due to Congestion, Continued

| Urban Area | Excess Fuel Consumed per 2019 Commuter | | | | Annual Excess Fuel Consumed (000) | | | |
|----------------------------------|--|------|-----------|------|-----------------------------------|------|--------------|------|
| | 2020 | | 2019 | | 2020 | | 2019 | |
| | Gallons | Rank | Gallons | Rank | Gallons | Rank | Gallons | Rank |
| Medium Average (33 areas) | 11 | | 19 | | 4,779 | | 8,924 | |
| Bridgeport-Stamford, CT-NY | 16 | 5 | 23 | 33 | 11,374 | 33 | 16,449 | 40 |
| Albany-Schenectady, NY | 15 | 9 | 22 | 39 | 4,203 | 66 | 6,240 | 75 |
| Buffalo, NY | 14 | 17 | 24 | 27 | 6,968 | 49 | 11,904 | 52 |
| El Paso, TX-NM | 14 | 17 | 20 | 52 | 7,681 | 45 | 10,965 | 54 |
| Fresno, CA | 14 | 17 | 19 | 62 | 5,619 | 55 | 7,821 | 64 |
| Hartford, CT | 13 | 28 | 22 | 39 | 7,138 | 48 | 12,053 | 51 |
| New Haven, CT | 13 | 28 | 18 | 69 | 4,531 | 62 | 6,472 | 73 |
| New Orleans, LA | 13 | 28 | 26 | 16 | 11,121 | 34 | 23,123 | 33 |
| Rochester, NY | 13 | 28 | 21 | 43 | 4,401 | 63 | 7,115 | 68 |
| Akron, OH | 12 | 39 | 17 | 78 | 4,734 | 60 | 6,741 | 71 |
| Colorado Springs, CO | 12 | 39 | 20 | 52 | 4,718 | 61 | 7,792 | 65 |
| Springfield, MA-CT | 12 | 39 | 20 | 52 | 4,311 | 64 | 6,986 | 70 |
| Worcester, MA-CT | 12 | 39 | 17 | 78 | 3,802 | 73 | 5,575 | 79 |
| Baton Rouge, LA | 11 | 51 | 26 | 16 | 4,892 | 59 | 12,196 | 50 |
| Wichita, KS | 11 | 51 | 15 | 91 | 2,766 | 82 | 4,021 | 87 |
| Charleston-North Charleston, SC | 10 | 59 | 23 | 33 | 4,149 | 67 | 9,369 | 57 |
| Honolulu, HI | 10 | 59 | 30 | 12 | 5,645 | 54 | 16,276 | 41 |
| Knoxville, TN | 10 | 59 | 19 | 62 | 3,972 | 71 | 7,705 | 66 |
| Toledo, OH-MI | 10 | 59 | 21 | 43 | 1,967 | 89 | 4,075 | 85 |
| Tulsa, OK | 10 | 59 | 15 | 91 | 5,491 | 56 | 8,317 | 63 |
| Albuquerque, NM | 9 | 70 | 20 | 52 | 4,273 | 65 | 9,099 | 61 |
| Birmingham, AL | 9 | 70 | 20 | 52 | 5,066 | 58 | 11,276 | 53 |
| Dayton, OH | 9 | 70 | 14 | 95 | 4,047 | 69 | 6,379 | 74 |
| Grand Rapids, MI | 9 | 70 | 16 | 81 | 3,901 | 72 | 7,101 | 69 |
| Allentown, PA-NJ | 8 | 82 | 16 | 81 | 2,886 | 79 | 5,728 | 77 |
| Columbia, SC | 8 | 82 | 18 | 69 | 2,861 | 80 | 6,564 | 72 |
| McAllen, TX | 8 | 82 | 14 | 95 | 5,424 | 57 | 9,266 | 59 |
| Omaha, NE-IA | 8 | 82 | 18 | 69 | 3,988 | 70 | 9,137 | 60 |
| Provo-Orem, UT | 8 | 82 | 15 | 91 | 2,814 | 81 | 5,132 | 81 |
| Tucson, AZ | 8 | 82 | 19 | 62 | 5,725 | 53 | 13,696 | 48 |
| Cape Coral, FL | 6 | 95 | 17 | 78 | 3,086 | 77 | 8,916 | 62 |
| Sarasota-Bradenton, FL | 5 | 98 | 16 | 81 | 2,587 | 83 | 7,403 | 67 |
| Bakersfield, CA | 4 | 99 | 10 | 98 | 1,565 | 93 | 3,598 | 90 |

Very Large Urban Areas—over 3 million population.

Large Urban Areas—over 1 million and less than 3 million population.

Excess Fuel Consumed—Increased fuel consumption due to travel in congested conditions rather than free-flow conditions.**Excess Fuel per Auto Commuter**—Extra fuel consumed during the year divided by the number of people who commute in private vehicles in the urban area.Note: Please do not place too much emphasis on small differences in the rankings. There may be little difference in congestion between areas ranked (for example) 6th and 12th. The actual measure values should also be examined. The best congestion comparisons are made between similar urban areas.

Medium Urban Areas—over 500,000 and less than 1 million population.

Small Urban Areas—less than 500,000 population.

Table 4. Excess Fuel Consumption Due to Congestion, Continued

| Urban Area | Excess Fuel Consumed per 2019 Commuter | | | | Annual Excess Fuel Consumed (000) | | | |
|---------------------------------|--|------|-----------|------|-----------------------------------|------|---------------|------|
| | 2020 | | 2019 | | 2020 | | 2019 | |
| | Gallons | Rank | Gallons | Rank | Gallons | Rank | Gallons | Rank |
| Small Average (21 areas) | 9 | | 17 | | 2,229 | | 3,868 | |
| Corpus Christi, TX | 14 | 17 | 20 | 52 | 3,552 | 74 | 4,907 | 83 |
| Stockton, CA | 14 | 17 | 19 | 62 | 2,949 | 78 | 4,031 | 86 |
| Poughkeepsie-Newburgh, NY-NJ | 13 | 28 | 18 | 69 | 2,580 | 84 | 3,611 | 89 |
| Boulder, CO | 12 | 39 | 25 | 21 | 1,086 | 99 | 2,285 | 99 |
| Madison, WI | 12 | 39 | 18 | 69 | 3,413 | 75 | 5,182 | 80 |
| Beaumont, TX | 11 | 51 | 16 | 81 | 1,321 | 95 | 1,999 | 100 |
| Greensboro, NC | 11 | 51 | 16 | 81 | 2,193 | 87 | 3,173 | 92 |
| Little Rock, AR | 11 | 51 | 16 | 81 | 7,653 | 46 | 10,582 | 55 |
| Spokane, WA | 11 | 51 | 26 | 16 | 2,480 | 85 | 5,777 | 76 |
| Brownsville, TX | 10 | 59 | 16 | 81 | 1,762 | 91 | 2,764 | 95 |
| Jackson, MS | 10 | 59 | 16 | 81 | 3,268 | 76 | 4,989 | 82 |
| Anchorage, AK | 9 | 70 | 21 | 43 | 1,158 | 98 | 2,747 | 96 |
| Boise, ID | 9 | 70 | 22 | 39 | 2,305 | 86 | 5,659 | 78 |
| Eugene, OR | 9 | 70 | 18 | 69 | 1,549 | 94 | 3,176 | 91 |
| Laredo, TX | 9 | 70 | 18 | 69 | 1,803 | 90 | 3,755 | 88 |
| Pensacola, FL-AL | 9 | 70 | 20 | 52 | 2,023 | 88 | 4,539 | 84 |
| Salem, OR | 8 | 82 | 21 | 43 | 1,186 | 97 | 3,162 | 93 |
| Oxnard, CA | 6 | 95 | 11 | 97 | 1,255 | 96 | 2,413 | 97 |
| Winston-Salem, NC | 6 | 95 | 10 | 98 | 1,606 | 92 | 2,794 | 94 |
| Indio-Cathedral City, CA | 3 | 100 | 7 | 100 | 1,055 | 100 | 2,405 | 98 |
| Lancaster-Palmdale, CA | 3 | 100 | 6 | 101 | 621 | 101 | 1,287 | 101 |
| 101 Area Average | 13 | | 27 | | 14,845 | | 29,611 | |
| Remaining Areas Average | 5 | | 10 | | 743 | | 1,477 | |
| All 494 Area Average | 11 | | 22 | | 3,626 | | 7,229 | |

Very Large Urban Areas—over 3 million population.

Large Urban Areas—over 1 million and less than 3 million population.

Excess Fuel Consumed—Increased fuel consumption due to travel in congested conditions rather than free-flow conditions.**Excess Fuel per Auto Commuter**—Extra fuel consumed during the year divided by the number of people who commute in private vehicles in the urban area.Note: Please do not place too much emphasis on small differences in the rankings. There may be little difference in congestion between areas ranked (for example) 6th and 12th. The actual measure values should also be examined. The best congestion comparisons are made between similar urban areas.

Medium Urban Areas—over 500,000 and less than 1 million population.

Small Urban Areas—less than 500,000 population.

Table 5. Annual Congestion Cost

| Urban Area | Annual Congestion Cost per 2019 Commuter (2020 \$) | | | | Annual Congestion Cost (2020 \$millions) | | | |
|--------------------------------------|--|------|--------------|------|--|------|--------------|------|
| | 2020 | | 2019 | | 2020 | | 2019 | |
| | Dollars | Rank | Dollars | Rank | Dollars | Rank | Dollars | Rank |
| Very Large Average (15 areas) | 948 | | 1,880 | | 3,431 | | 6,784 | |
| New York-Newark, NY-NJ-CT | 1,322 | 1 | 2,159 | 4 | 11,177 | 1 | 18,263 | 2 |
| San Francisco-Oakland, CA | 1,301 | 2 | 2,886 | 1 | 2,604 | 7 | 5,775 | 5 |
| Los Angeles-Long Beach-Anaheim, CA | 1,142 | 3 | 2,866 | 2 | 8,230 | 2 | 20,656 | 1 |
| Boston, MA-NH-RI | 1,103 | 4 | 1,805 | 5 | 2,732 | 6 | 4,470 | 10 |
| Houston, TX | 1,097 | 5 | 1,635 | 9 | 3,795 | 4 | 5,656 | 6 |
| Washington, DC-VA-MD | 905 | 7 | 2,191 | 3 | 2,263 | 11 | 5,480 | 7 |
| Atlanta, GA | 869 | 8 | 1,775 | 6 | 2,477 | 9 | 5,057 | 8 |
| Chicago, IL-IN | 852 | 9 | 1,587 | 12 | 3,969 | 3 | 7,391 | 3 |
| Dallas-Fort Worth-Arlington, TX | 848 | 10 | 1,335 | 18 | 3,051 | 5 | 4,806 | 9 |
| Philadelphia, PA-NJ-DE-MD | 789 | 12 | 1,292 | 19 | 2,274 | 10 | 3,723 | 12 |
| Detroit, MI | 710 | 16 | 1,167 | 30 | 2,082 | 12 | 3,421 | 14 |
| Seattle, WA | 685 | 22 | 1,612 | 10 | 1,556 | 13 | 3,664 | 13 |
| San Diego, CA | 665 | 24 | 1,681 | 8 | 1,219 | 16 | 3,082 | 15 |
| Miami, FL | 608 | 35 | 1,606 | 11 | 2,491 | 8 | 6,580 | 4 |
| Phoenix-Mesa, AZ | 489 | 65 | 1,179 | 29 | 1,545 | 14 | 3,728 | 11 |

Very Large Urban Areas—over 3 million population.

Large Urban Areas—over 1 million and less than 3 million population.

Yearly Delay per Auto Commuter—Extra travel time during the year divided by the number of people who commute in private vehicles in the urban area.

Travel Time Index—The ratio of travel time in the peak period to the travel time at free-flow conditions. A value of 1.30 indicates a 20-minute free-flow trip takes 26 minutes in the peak period.

Excess Fuel Consumed—Increased fuel consumption due to travel in congested conditions rather than free-flow conditions.

Congestion Cost—The value of 2020 travel time delay (estimated at \$20.17 per hour of person travel and \$55.24 per hour of truck time) and excess fuel consumption (estimated using the state average cost per gallon for gasoline and diesel).

Note: Please do not place too much emphasis on small differences in the rankings. There may be little difference in congestion between areas ranked (for example) 6th and 12th. The actual measure values should also be examined. The best congestion comparisons are made between similar urban areas.

Medium Urban Areas—over 500,000 and less than 1 million population.

Small Urban Areas—less than 500,000 population.

Table 5. Annual Congestion Cost, Continued

| Urban Area | Annual Congestion Cost per 2019 Commuter (2020 \$) | | | | Annual Congestion Cost (2020 \$millions) | | | |
|-------------------------------------|--|------|--------------|------|--|------|--------------|------|
| | 2020 | | 2019 | | 2020 | | 2019 | |
| | Dollars | Rank | Dollars | Rank | Dollars | Rank | Dollars | Rank |
| Large Average (32 areas) | 586 | | 1,127 | | 701 | | 1,345 | |
| Austin, TX | 945 | 6 | 1,520 | 14 | 1,077 | 18 | 1,732 | 22 |
| Sacramento, CA | 800 | 11 | 1,164 | 31 | 1,057 | 20 | 1,539 | 27 |
| St. Louis, MO-IL | 719 | 14 | 986 | 44 | 1,175 | 17 | 1,610 | 25 |
| San Jose, CA | 712 | 15 | 1,731 | 7 | 1,066 | 19 | 2,591 | 16 |
| Kansas City, MO-KS | 694 | 17 | 961 | 47 | 812 | 27 | 1,124 | 34 |
| San Juan, PR | 694 | 17 | 1,355 | 17 | 868 | 25 | 1,696 | 24 |
| Portland, OR-WA | 690 | 19 | 1,424 | 16 | 836 | 26 | 1,725 | 23 |
| Cleveland, OH | 686 | 21 | 1,072 | 39 | 760 | 29 | 1,187 | 32 |
| San Antonio, TX | 682 | 23 | 1,069 | 40 | 1,010 | 22 | 1,583 | 26 |
| Nashville-Davidson, TN | 659 | 26 | 1,465 | 15 | 595 | 33 | 1,323 | 30 |
| Oklahoma City, OK | 656 | 27 | 857 | 59 | 685 | 30 | 894 | 39 |
| Columbus, OH | 645 | 29 | 1,126 | 34 | 589 | 34 | 1,027 | 37 |
| Providence, RI-MA | 630 | 30 | 856 | 60 | 584 | 35 | 794 | 45 |
| Minneapolis-St. Paul, MN-WI | 620 | 33 | 1,119 | 36 | 1,322 | 15 | 2,384 | 18 |
| Cincinnati, OH-KY-IN | 608 | 35 | 1,192 | 28 | 637 | 31 | 1,248 | 31 |
| Milwaukee, WI | 602 | 39 | 931 | 54 | 557 | 39 | 861 | 42 |
| Charlotte, NC-SC | 585 | 41 | 1,271 | 21 | 516 | 41 | 1,120 | 35 |
| Pittsburgh, PA | 552 | 47 | 952 | 48 | 561 | 38 | 966 | 38 |
| Baltimore, MD | 549 | 49 | 1,219 | 27 | 993 | 23 | 2,203 | 19 |
| Denver-Aurora, CO | 545 | 50 | 1,263 | 24 | 1,034 | 21 | 2,394 | 17 |
| Salt Lake City-West Valley City, UT | 544 | 52 | 903 | 56 | 392 | 45 | 651 | 49 |
| Riverside-San Bernardino, CA | 511 | 60 | 1,272 | 20 | 872 | 24 | 2,171 | 20 |
| Indianapolis, IN | 487 | 66 | 941 | 49 | 540 | 40 | 1,043 | 36 |
| Richmond, VA | 482 | 67 | 693 | 90 | 353 | 51 | 508 | 57 |
| Orlando, FL | 471 | 69 | 1,261 | 25 | 570 | 37 | 1,526 | 28 |
| Jacksonville, FL | 448 | 72 | 1,089 | 38 | 355 | 50 | 863 | 41 |
| Memphis, TN-MS-AR | 427 | 76 | 806 | 73 | 387 | 46 | 730 | 46 |
| Tampa-St. Petersburg, FL | 401 | 79 | 1,125 | 35 | 767 | 28 | 2,154 | 21 |
| Virginia Beach, VA | 399 | 80 | 763 | 82 | 423 | 43 | 809 | 44 |
| Louisville-Jefferson County, KY-IN | 386 | 82 | 835 | 65 | 319 | 54 | 691 | 48 |
| Las Vegas-Henderson, NV | 363 | 88 | 997 | 43 | 487 | 42 | 1,337 | 29 |
| Raleigh, NC | 361 | 89 | 832 | 66 | 246 | 61 | 568 | 54 |

Large Urban Areas—over 1 million and less than 3 million population.

Yearly Delay per Auto Commuter—Extra travel time during the year divided by the number of people who commute in private vehicles in the urban area.

Excess Fuel Consumed—Increased fuel consumption due to travel in congested conditions rather than free-flow conditions.

Congestion Cost—The value of 2020 travel time delay (estimated at \$20.17 per hour of person travel and \$55.24 per hour of truck time) and excess fuel consumption (estimated using the state average cost per gallon for gasoline and diesel).

Note: Please do not place too much emphasis on small differences in the rankings. There may be little difference in congestion between areas ranked (for example) 6th and 12th. The actual measure values should also be examined. The best congestion comparisons are made between similar urban areas.

Table 5. Annual Congestion Cost, Continued

| Urban Area | Annual Congestion Cost per 2019 Commuter (2020 \$) | | | | Annual Congestion Cost (2020 \$millions) | | | |
|----------------------------------|--|------|------------|------|--|------|------------|------|
| | 2020 | | 2019 | | 2020 | | 2019 | |
| | Dollars | Rank | Dollars | Rank | Dollars | Rank | Dollars | Rank |
| Medium Average (33 areas) | 502 | | 905 | | 258 | | 467 | |
| Bridgeport-Stamford, CT-NY | 782 | 13 | 1,103 | 37 | 633 | 32 | 892 | 40 |
| El Paso, TX-NM | 688 | 20 | 965 | 46 | 394 | 44 | 554 | 55 |
| Buffalo, NY | 649 | 28 | 1,056 | 41 | 362 | 49 | 589 | 53 |
| Fresno, CA | 626 | 31 | 832 | 66 | 320 | 53 | 426 | 65 |
| Hartford, CT | 606 | 37 | 976 | 45 | 385 | 47 | 620 | 51 |
| Worcester, MA-CT | 603 | 38 | 849 | 61 | 201 | 73 | 283 | 77 |
| New Orleans, LA | 597 | 40 | 1,225 | 26 | 571 | 36 | 1,171 | 33 |
| New Haven, CT | 583 | 42 | 814 | 72 | 243 | 62 | 339 | 72 |
| Colorado Springs CO | 582 | 43 | 936 | 53 | 268 | 59 | 431 | 64 |
| Honolulu, HI | 562 | 45 | 1,552 | 13 | 308 | 55 | 850 | 43 |
| Albany-Schenectady, NY | 555 | 46 | 781 | 75 | 241 | 64 | 338 | 73 |
| Akron, OH | 552 | 47 | 750 | 85 | 253 | 60 | 344 | 71 |
| Rochester, NY | 545 | 50 | 843 | 62 | 230 | 67 | 356 | 70 |
| Birmingham, AL | 521 | 55 | 1,139 | 32 | 291 | 58 | 636 | 50 |
| Charleston-North Charleston, SC | 521 | 55 | 1,131 | 33 | 242 | 63 | 525 | 56 |
| Albuquerque, NM | 516 | 57 | 1,053 | 42 | 231 | 66 | 471 | 61 |
| Baton Rouge, LA | 512 | 59 | 1,270 | 22 | 238 | 65 | 591 | 52 |
| McAllen, TX | 506 | 61 | 829 | 68 | 294 | 57 | 482 | 58 |
| Knoxville, TN | 493 | 63 | 941 | 49 | 209 | 72 | 399 | 66 |
| Springfield, MA-CT | 492 | 64 | 757 | 84 | 214 | 69 | 330 | 74 |
| Tulsa, OK | 479 | 68 | 692 | 91 | 325 | 52 | 469 | 62 |
| Dayton, OH | 435 | 74 | 666 | 93 | 210 | 71 | 322 | 75 |
| Grand Rapids, MI | 435 | 74 | 771 | 80 | 213 | 70 | 377 | 68 |
| Toledo, OH-MI | 393 | 81 | 779 | 76 | 120 | 85 | 238 | 83 |
| Tucson, AZ | 381 | 83 | 869 | 58 | 306 | 56 | 697 | 47 |
| Omaha, NE-IA | 377 | 84 | 838 | 64 | 216 | 68 | 479 | 60 |
| Wichita, KS | 377 | 84 | 526 | 98 | 164 | 78 | 230 | 84 |
| Columbia, SC | 370 | 87 | 817 | 71 | 162 | 80 | 359 | 69 |
| Allentown, PA-NJ | 360 | 90 | 686 | 92 | 169 | 77 | 321 | 76 |
| Cape Coral, FL | 337 | 94 | 938 | 51 | 163 | 79 | 455 | 63 |
| Provo-Orem, UT | 309 | 95 | 538 | 97 | 130 | 84 | 227 | 85 |
| Bakersfield, CA | 268 | 98 | 589 | 96 | 97 | 91 | 213 | 88 |
| Sarasota-Bradenton, FL | 247 | 99 | 695 | 89 | 136 | 83 | 384 | 67 |

Medium Urban Areas—over 500,000 and less than 1 million population.

Yearly Delay per Auto Commuter—Extra travel time during the year divided by the number of people who commute in private vehicles in the urban area.

Excess Fuel Consumed—Increased fuel consumption due to travel in congested conditions rather than free-flow conditions.

Congestion Cost—The value of 2020 travel time delay (estimated at \$20.17 per hour of person travel and \$55.24 per hour of truck time) and excess fuel consumption (estimated using the state average cost per gallon for gasoline and diesel).

Note: Please do not place too much emphasis on small differences in the rankings. There may be little difference in congestion between areas ranked (for example) 6th and 12th. The actual measure values should also be examined. The best congestion comparisons are made between similar urban areas.

Table 5. Annual Congestion Cost, Continued

| Urban Area | Annual Congestion Cost per 2019 Commuter (2020 \$) | | | | Annual Congestion Cost (2020 \$millions) | | | |
|---------------------------------|--|------|--------------|------|--|------|--------------|------|
| | 2020 | | 2019 | | 2020 | | 2019 | |
| | Dollars | Rank | Dollars | Rank | Dollars | Rank | Dollars | Rank |
| Small Average (21 areas) | 420 | | 703 | | 117 | | 195 | |
| Little Rock, AR | 665 | 24 | 874 | 57 | 365 | 48 | 480 | 59 |
| Stockton, CA | 624 | 32 | 840 | 63 | 185 | 75 | 250 | 82 |
| Corpus Christi, TX | 616 | 34 | 819 | 70 | 161 | 81 | 215 | 87 |
| Anchorage, AK | 563 | 44 | 1,265 | 23 | 69 | 97 | 155 | 93 |
| Beaumont, TX | 535 | 53 | 779 | 76 | 70 | 96 | 103 | 101 |
| Jackson, MS | 533 | 54 | 773 | 79 | 189 | 74 | 274 | 79 |
| Madison, WI | 514 | 58 | 743 | 86 | 183 | 76 | 264 | 80 |
| Brownsville, TX | 504 | 62 | 762 | 83 | 84 | 92 | 128 | 98 |
| Poughkeepsie-Newburgh, NY-NJ | 468 | 70 | 629 | 95 | 139 | 82 | 187 | 89 |
| Greensboro, NC | 463 | 71 | 642 | 94 | 119 | 86 | 166 | 91 |
| Boulder, CO | 436 | 73 | 905 | 55 | 51 | 101 | 106 | 100 |
| Spokane, WA | 423 | 77 | 937 | 52 | 119 | 86 | 263 | 81 |
| Oxnard, CA | 416 | 78 | 765 | 81 | 78 | 94 | 143 | 96 |
| Eugene, OR | 371 | 86 | 728 | 87 | 74 | 95 | 145 | 95 |
| Pensacola, FL-AL | 358 | 91 | 784 | 74 | 104 | 89 | 227 | 85 |
| Laredo, TX | 349 | 92 | 697 | 88 | 84 | 92 | 168 | 90 |
| Boise, ID | 341 | 93 | 822 | 69 | 114 | 88 | 275 | 78 |
| Salem, OR | 303 | 96 | 503 | 99 | 99 | 90 | 164 | 92 |
| Winston-Salem, NC | 302 | 97 | 775 | 78 | 58 | 99 | 148 | 94 |
| Indio-Cathedral City, CA | 221 | 100 | 485 | 100 | 60 | 98 | 131 | 97 |
| Lancaster-Palmdale, CA | 216 | 101 | 439 | 101 | 55 | 100 | 111 | 99 |
| 101 Area Average | 742 | | 1,441 | | 841 | | 1,627 | |
| Remaining Areas Average | 260 | | 497 | | 40 | | 77 | |
| All 494 Area Average | 605 | | 1,174 | | 204 | | 384 | |

Very Large Urban Areas—over 3 million population.

Medium Urban Areas—over 500,000 and less than 1 million population.

Large Urban Areas—over 1 million and less than 3 million population.

Small Urban Areas—less than 500,000 population.

Yearly Delay per Auto Commuter—Extra travel time during the year divided by the number of people who commute in private vehicles in the urban area.**Excess Fuel Consumed**—Increased fuel consumption due to travel in congested conditions rather than free-flow conditions.**Congestion Cost**—The value of 2020 travel time delay (estimated at \$20.17 per hour of person travel and \$55.24 per hour of truck time) and excess fuel consumption (estimated using the state average cost per gallon for gasoline and diesel).Note: Please do not place too much emphasis on small differences in the rankings. There may be little difference in congestion between areas ranked (for example) 6th and 12th. The actual measure values should also be examined. The best congestion comparisons are made between similar urban areas.

Table 6. Excess Truck Travel Time and Congestion Cost

| Urban Area | Annual Person-Hours of Truck Delay | | | | Annual Truck Congestion Cost (2020 \$millions) | | | |
|--------------------------------------|------------------------------------|------|----------------|------|--|------|------------|------|
| | 2020 | | 2019 | | 2020 | | 2019 | |
| | Hours (000) | Rank | Hours (000) | Rank | Dollars | Rank | Dollars | Rank |
| Very Large Average (15 areas) | 6,943 | | 13,213 | | 372 | | 685 | |
| New York-Newark, NY-NJ-CT | 24,288 | 1 | 36,628 | 2 | 1,298 | 1 | 1,800 | 2 |
| Los Angeles-Long Beach-Anaheim, CA | 13,895 | 2 | 36,779 | 1 | 762 | 2 | 1,862 | 1 |
| Chicago, IL-IN | 10,634 | 3 | 16,360 | 3 | 565 | 3 | 969 | 3 |
| Houston, TX | 7,950 | 4 | 12,015 | 5 | 420 | 4 | 586 | 5 |
| San Francisco-Oakland, CA | 6,724 | 5 | 13,453 | 4 | 366 | 5 | 814 | 4 |
| Dallas-Fort Worth-Arlington, TX | 6,250 | 6 | 9,846 | 8 | 330 | 6 | 580 | 6 |
| Boston, MA-NH-RI | 4,894 | 7 | 7,478 | 11 | 262 | 7 | 368 | 11 |
| Atlanta, GA | 4,859 | 8 | 10,674 | 7 | 257 | 8 | 521 | 8 |
| Philadelphia, PA-NJ-DE-MD | 4,751 | 9 | 6,995 | 12 | 253 | 9 | 345 | 12 |
| Detroit, MI | 4,371 | 10 | 6,457 | 14 | 236 | 10 | 322 | 14 |
| Miami, FL | 3,956 | 11 | 11,577 | 6 | 209 | 11 | 563 | 7 |
| Washington, DC-VA-MD | 3,839 | 12 | 9,809 | 9 | 205 | 12 | 480 | 9 |
| Phoenix-Mesa, AZ | 3,010 | 14 | 7,765 | 10 | 161 | 14 | 462 | 10 |
| Seattle, WA | 2,773 | 15 | 6,966 | 13 | 148 | 15 | 342 | 13 |
| San Diego, CA | 1,954 | 24 | 5,394 | 16 | 105 | 24 | 266 | 16 |

Very Large Urban Areas—over 3 million population.

Large Urban Areas—over 1 million and less than 3 million population.

Yearly Delay per Auto Commuter—Extra travel time during the year.**Excess Fuel Consumed**—Increased fuel consumption due to travel in congested conditions rather than free-flow conditions.**Congestion Cost**—The value of 2020 travel time delay (estimated at \$20.17 per hour of person travel and \$55.24 per hour of truck time) and excess fuel consumption (estimated using the state average cost per gallon for gasoline and diesel).Note: Please do not place too much emphasis on small differences in the rankings. There may be little difference in congestion between areas ranked (for example) 6th and 12th. The actual measure values should also be examined. The best congestion comparisons are made between similar urban areas.

Medium Urban Areas—over 500,000 and less than 1 million population.

Small Urban Areas—less than 500,000 population.

Table 6. Excess Truck Travel Time and Congestion Cost, Continued

| Urban Area | Annual Person-Hours of Truck Delay | | | | Annual Truck Congestion Cost (2020 \$millions) | | | |
|-------------------------------------|------------------------------------|------|----------------|------|--|------|------------|------|
| | 2020 | | 2019 | | 2020 | | 2019 | |
| | Hours (000) | Rank | Hours (000) | Rank | Dollars | Rank | Dollars | Rank |
| Large Average (32 areas) | 1,534 | | 2,756 | | 82 | | 147 | |
| St. Louis, MO-IL | 3,434 | 13 | 4,358 | 19 | 181 | 13 | 256 | 17 |
| San Jose, CA | 2,581 | 17 | 5,443 | 15 | 142 | 16 | 276 | 15 |
| Kansas City, MO-KS | 2,582 | 16 | 3,187 | 28 | 136 | 17 | 155 | 29 |
| San Antonio, TX | 2,270 | 18 | 3,471 | 27 | 120 | 18 | 204 | 24 |
| Minneapolis-St. Paul, MN-WI | 2,244 | 19 | 3,975 | 23 | 119 | 19 | 236 | 18 |
| Portland, OR-WA | 2,137 | 21 | 4,039 | 22 | 115 | 20 | 200 | 26 |
| Austin, TX | 2,154 | 20 | 3,545 | 25 | 114 | 21 | 173 | 27 |
| Denver-Aurora, CO | 2,066 | 23 | 4,637 | 17 | 112 | 22 | 233 | 19 |
| Baltimore, MD | 2,078 | 22 | 4,231 | 21 | 110 | 23 | 207 | 23 |
| Oklahoma City, OK | 1,868 | 26 | 2,434 | 33 | 98 | 26 | 118 | 40 |
| Nashville-Davidson, TN | 1,789 | 28 | 4,350 | 20 | 95 | 28 | 212 | 22 |
| Cleveland, OH | 1,702 | 30 | 2,274 | 37 | 93 | 29 | 138 | 33 |
| Riverside-San Bernardino, CA | 1,644 | 31 | 4,488 | 18 | 90 | 31 | 227 | 21 |
| Sacramento, CA | 1,603 | 32 | 2,122 | 39 | 88 | 32 | 129 | 35 |
| Indianapolis, IN | 1,548 | 33 | 2,488 | 31 | 83 | 33 | 124 | 36 |
| Memphis, TN-MS-AR | 1,427 | 34 | 2,183 | 38 | 76 | 34 | 130 | 34 |
| Milwaukee, WI | 1,403 | 35 | 1,857 | 45 | 74 | 35 | 91 | 46 |
| Tampa-St. Petersburg, FL | 1,370 | 36 | 3,909 | 24 | 73 | 36 | 232 | 20 |
| Columbus, OH | 1,331 | 37 | 1,979 | 42 | 71 | 37 | 117 | 41 |
| San Juan, PR | 1,239 | 38 | 2,680 | 30 | 68 | 38 | 164 | 28 |
| Cincinnati, OH-KY-IN | 1,226 | 39 | 2,343 | 35 | 65 | 39 | 115 | 42 |
| Orlando, FL | 1,164 | 41 | 2,939 | 29 | 62 | 40 | 145 | 30 |
| Pittsburgh, PA | 1,166 | 40 | 1,880 | 43 | 62 | 40 | 92 | 44 |
| Charlotte, NC-SC | 1,064 | 42 | 2,041 | 41 | 56 | 42 | 121 | 37 |
| Las Vegas-Henderson, NV | 1,003 | 43 | 2,343 | 35 | 53 | 43 | 139 | 32 |
| Louisville-Jefferson County, KY-IN | 888 | 44 | 1,807 | 46 | 47 | 44 | 106 | 43 |
| Providence, RI-MA | 885 | 46 | 1,147 | 54 | 47 | 44 | 56 | 56 |
| Salt Lake City-West Valley City, UT | 875 | 47 | 1,470 | 50 | 47 | 44 | 72 | 51 |
| Virginia Beach, VA | 695 | 54 | 1,215 | 53 | 37 | 54 | 60 | 54 |
| Richmond, VA | 667 | 56 | 840 | 64 | 35 | 55 | 50 | 59 |
| Jacksonville, FL | 567 | 62 | 1,501 | 48 | 30 | 62 | 73 | 49 |
| Raleigh, NC | 432 | 73 | 1,027 | 57 | 23 | 73 | 60 | 54 |

Large Urban Areas—over 1 million and less than 3 million population.

Yearly Delay per Auto Commuter—Extra travel time during the year.

Excess Fuel Consumed—Increased fuel consumption due to travel in congested conditions rather than free-flow conditions.

Congestion Cost—The value of 2020 travel time delay (estimated at \$20.17 per hour of person travel and \$55.24 per hour of truck time) and excess fuel consumption (estimated using the state average cost per gallon for gasoline and diesel).

Note: Please do not place too much emphasis on small differences in the rankings. There may be little difference in congestion between areas ranked (for example) 6th and 12th. The actual measure values should also be examined. The best congestion comparisons are made between similar urban areas.

Table 6. Excess Truck Travel Time and Congestion Cost, Continued

| Urban Area | Annual Person-Hours of Truck Delay | | | | Annual Truck Congestion Cost (2020 \$millions) | | | |
|----------------------------------|------------------------------------|------|--------------|------|--|------|-----------|------|
| | 2020 | | 2019 | | 2020 | | 2019 | |
| | Hours (000) | Rank | Hours (000) | Rank | Dollars | Rank | Dollars | Rank |
| Medium Average (33 areas) | 602 | | 1,029 | | 32 | | 56 | |
| Bridgeport-Stamford, CT-NY | 1,881 | 25 | 2,365 | 34 | 100 | 25 | 140 | 31 |
| New Orleans, LA | 1,729 | 29 | 3,499 | 26 | 91 | 30 | 204 | 24 |
| El Paso, TX-NM | 888 | 44 | 1,233 | 52 | 47 | 44 | 73 | 49 |
| Hartford, CT | 870 | 48 | 1,307 | 51 | 46 | 48 | 64 | 53 |
| Tucson, AZ | 840 | 49 | 1,867 | 44 | 45 | 49 | 92 | 44 |
| Baton Rouge, LA | 805 | 50 | 2,049 | 40 | 43 | 50 | 121 | 37 |
| Tulsa, OK | 774 | 51 | 1,021 | 58 | 41 | 51 | 50 | 59 |
| Buffalo, NY | 720 | 52 | 1,019 | 59 | 39 | 52 | 51 | 58 |
| Fresno, CA | 712 | 53 | 875 | 63 | 38 | 53 | 43 | 65 |
| Birmingham, AL | 672 | 55 | 1,473 | 49 | 35 | 55 | 86 | 48 |
| Honolulu, HI | 623 | 58 | 1,686 | 47 | 35 | 55 | 87 | 47 |
| Akron, OH | 625 | 57 | 716 | 69 | 33 | 58 | 35 | 74 |
| Knoxville, TN | 615 | 59 | 1,124 | 55 | 33 | 58 | 67 | 52 |
| Albany-Schenectady, NY | 608 | 60 | 732 | 65 | 32 | 60 | 36 | 71 |
| Provo-Orem, UT | 589 | 61 | 1,047 | 56 | 32 | 60 | 52 | 57 |
| McAllen, TX | 565 | 63 | 903 | 61 | 30 | 62 | 45 | 62 |
| Dayton, OH | 545 | 65 | 662 | 71 | 29 | 65 | 39 | 67 |
| Springfield, MA-CT | 498 | 67 | 658 | 73 | 27 | 67 | 32 | 76 |
| Albuquerque, NM | 489 | 68 | 979 | 60 | 26 | 68 | 49 | 61 |
| New Haven, CT | 479 | 69 | 634 | 76 | 26 | 68 | 38 | 70 |
| Colorado Springs, CO | 451 | 71 | 652 | 75 | 24 | 70 | 39 | 67 |
| Grand Rapids, MI | 453 | 70 | 661 | 72 | 24 | 70 | 39 | 67 |
| Rochester, NY | 447 | 72 | 658 | 73 | 24 | 70 | 32 | 76 |
| Charleston-North Charleston, SC | 399 | 76 | 891 | 62 | 21 | 75 | 44 | 63 |
| Worcester, MA-CT | 404 | 75 | 570 | 80 | 21 | 75 | 28 | 81 |
| Allentown, PA-NJ | 314 | 79 | 601 | 79 | 17 | 78 | 31 | 78 |
| Omaha, NE-IA | 325 | 78 | 612 | 78 | 17 | 78 | 36 | 71 |
| Wichita, KS | 303 | 80 | 426 | 88 | 16 | 80 | 21 | 88 |
| Columbia, SC | 272 | 83 | 629 | 77 | 15 | 81 | 31 | 78 |
| Toledo, OH-MI | 272 | 83 | 490 | 85 | 14 | 84 | 24 | 86 |
| Cape Coral, FL | 243 | 87 | 725 | 67 | 13 | 85 | 36 | 71 |
| Sarasota-Bradenton, FL | 243 | 87 | 726 | 66 | 13 | 85 | 43 | 65 |
| Bakersfield, CA | 219 | 89 | 459 | 87 | 12 | 89 | 24 | 86 |

Medium Urban Areas—over 500,000 and less than 1 million population.

Yearly Delay—Extra travel time during the year.**Excess Fuel Consumed**—Increased fuel consumption due to travel in congested conditions rather than free-flow conditions.**Congestion Cost**—The value of 2020 travel time delay (estimated at \$20.17 per hour of person travel and \$55.24 per hour of truck time) and excess fuel consumption (estimated using the state average cost per gallon for gasoline and diesel).Note: Please do not place too much emphasis on small differences in the rankings. There may be little difference in congestion between areas ranked (for example) 6th and 12th. The actual measure values should also be examined. The best congestion comparisons are made between similar urban areas.

Table 6. Excess Truck Travel Time and Congestion Cost, Continued

| Urban Area | Annual Person-Hours of Truck Delay | | | | Annual Truck Congestion Cost (2020 \$millions) | | | |
|---------------------------------|------------------------------------|------|--------------|------|--|------|------------|------|
| | 2020 | | 2019 | | 2020 | | 2019 | |
| | Hours (000) | Rank | Hours (000) | Rank | Dollars | Rank | Dollars | Rank |
| Small Average (21 areas) | 307 | | 474 | | 18 | | 26 | |
| Little Rock, AR | 1,834 | 27 | 2,471 | 32 | 97 | 27 | 120 | 39 |
| Stockton, CA | 553 | 64 | 720 | 68 | 30 | 62 | 44 | 63 |
| Madison, WI | 519 | 66 | 690 | 70 | 28 | 66 | 34 | 75 |
| Jackson, MS | 426 | 74 | 529 | 83 | 23 | 73 | 26 | 84 |
| Corpus Christi, TX | 372 | 77 | 513 | 84 | 20 | 77 | 25 | 85 |
| Laredo, TX | 275 | 81 | 567 | 81 | 15 | 81 | 28 | 81 |
| Spokane, WA | 273 | 82 | 548 | 82 | 15 | 81 | 27 | 83 |
| Greensboro, NC | 250 | 85 | 339 | 91 | 13 | 85 | 17 | 91 |
| Poughkeepsie-Newburgh, NY-NJ | 249 | 86 | 338 | 92 | 13 | 85 | 17 | 91 |
| Oxnard, CA | 195 | 90 | 342 | 90 | 11 | 90 | 17 | 91 |
| Boise, ID | 191 | 93 | 486 | 86 | 10 | 91 | 29 | 80 |
| Eugene, OR | 193 | 92 | 385 | 89 | 10 | 91 | 19 | 89 |
| Winston-Salem, NC | 195 | 90 | 290 | 95 | 10 | 91 | 14 | 96 |
| Brownsville, TX | 150 | 95 | 231 | 97 | 8 | 94 | 11 | 98 |
| Indio-Cathedral City, CA | 151 | 94 | 249 | 96 | 8 | 94 | 15 | 94 |
| Pensacola, FL-AL | 146 | 96 | 322 | 93 | 8 | 94 | 19 | 89 |
| Anchorage, AK | 128 | 98 | 227 | 98 | 7 | 97 | 11 | 98 |
| Beaumont, TX | 140 | 97 | 210 | 100 | 7 | 97 | 10 | 100 |
| Lancaster-Palmdale, CA | 110 | 100 | 220 | 99 | 6 | 99 | 13 | 97 |
| Salem, OR | 111 | 99 | 304 | 94 | 6 | 99 | 15 | 94 |
| Boulder, CO | 72 | 101 | 163 | 101 | 4 | 101 | 10 | 100 |
| 101 Area Average | 1,778 | | 3,270 | | 95 | | 172 | |
| Remaining Areas Average | 95 | | 175 | | 5 | | 9 | |
| All 494 Area Average | 426 | | 784 | | 23 | | 41 | |

Very Large Urban Areas—over 3 million population.

Large Urban Areas—over 1 million and less than 3 million population.

Yearly Delay—Extra travel time during the year.**Excess Fuel Consumed**—Increased fuel consumption due to travel in congested conditions rather than free-flow conditions.**Congestion Cost**—The value of 2020 travel time delay (estimated at \$20.17 per hour of person travel and \$55.24 per hour of truck time) and excess fuel consumption (estimated using the state average cost per gallon for gasoline and diesel).Note: Please do not place too much emphasis on small differences in the rankings. There may be little difference in congestion between areas ranked (for example) 6th and 12th. The actual measure values should also be examined. The best congestion comparisons are made between similar urban areas.

Medium Urban Areas—over 500,000 and less than 1 million population.

Small Urban Areas—less than 500,000 population.

Table 7. Travel Time Index and Commuter Stress Index

| Urban Area | Travel Time Index | | | | Commuter Stress Index | | | |
|--------------------------------------|-------------------|------|-------------|------|-----------------------|------|-------------|------|
| | 2020 | | 2019 | | 2020 | | 2019 | |
| | Hours | Rank | Hours | Rank | Hours | Rank | Hours | Rank |
| Very Large Average (15 areas) | 1.13 | | 1.35 | | 1.15 | | 1.44 | |
| New York-Newark, NY-NJ-CT | 1.17 | 1 | 1.36 | 6 | 1.21 | 1 | 1.39 | 14 |
| Los Angeles-Long Beach-Anaheim, CA | 1.16 | 2 | 1.52 | 1 | 1.21 | 1 | 1.76 | 1 |
| San Francisco-Oakland, CA | 1.16 | 2 | 1.51 | 2 | 1.18 | 3 | 1.65 | 2 |
| Houston, TX | 1.15 | 4 | 1.34 | 10 | 1.16 | 6 | 1.44 | 10 |
| Boston, MA-NH-RI | 1.12 | 10 | 1.28 | 21 | 1.13 | 14 | 1.31 | 26 |
| Dallas-Fort Worth-Arlington, TX | 1.12 | 10 | 1.25 | 25 | 1.14 | 10 | 1.33 | 21 |
| Detroit, MI | 1.12 | 10 | 1.23 | 31 | 1.13 | 14 | 1.28 | 31 |
| Philadelphia, PA-NJ-DE-MD | 1.12 | 10 | 1.24 | 28 | 1.13 | 14 | 1.27 | 35 |
| Washington, DC-VA-MD | 1.12 | 10 | 1.36 | 6 | 1.14 | 10 | 1.44 | 10 |
| Miami, FL | 1.11 | 20 | 1.34 | 10 | 1.12 | 24 | 1.46 | 6 |
| Seattle, WA | 1.11 | 20 | 1.37 | 5 | 1.12 | 24 | 1.43 | 12 |
| Atlanta, GA | 1.10 | 29 | 1.30 | 17 | 1.11 | 31 | 1.40 | 13 |
| Chicago, IL-IN | 1.10 | 29 | 1.29 | 19 | 1.11 | 31 | 1.32 | 23 |
| San Diego, CA | 1.10 | 29 | 1.34 | 10 | 1.11 | 31 | 1.39 | 14 |
| Phoenix-Mesa, AZ | 1.08 | 44 | 1.29 | 19 | 1.09 | 44 | 1.34 | 19 |

Very Large Urban Areas—over 3 million population.

Medium Urban Areas—over 500,000 and less than 1 million population.

Large Urban Areas—over 1 million and less than 3 million population.

Small Urban Areas—less than 500,000 population.

Travel Time Index—The ratio of travel time in the peak period to the travel time at free-flow conditions. A value of 1.30 indicates a 20-minute free-flow trip takes 26 minutes in the peak period.

Commuter Stress Index—The travel time index calculated for only the most congested direction in each peak period (modeling an individual commuter's experience).

Note: Please do not place too much emphasis on small differences in the rankings. There may be little difference in congestion between areas ranked (for example) 6th and 12th. The actual measure values should also be examined. The best congestion comparisons are made between similar urban areas.

Table 7. Travel Time Index and Commuter Stress Index, Continued

| Urban Area | Travel Time Index | | | | Commuter Stress Index | | | |
|-------------------------------------|-------------------|------|-------------|------|-----------------------|------|-------------|------|
| | 2020 | | 2019 | | 2020 | | 2019 | |
| | Hours | Rank | Hours | Rank | Hours | Rank | Hours | Rank |
| Large Average (32 areas) | 1.09 | | 1.24 | | 1.10 | | 1.29 | |
| Austin, TX | 1.13 | 6 | 1.35 | 8 | 1.14 | 10 | 1.51 | 5 |
| Providence, RI-MA | 1.13 | 6 | 1.16 | 59 | 1.15 | 8 | 1.18 | 60 |
| San Juan, PR | 1.13 | 6 | 1.32 | 15 | 1.17 | 5 | 1.45 | 7 |
| Oklahoma City, OK | 1.12 | 10 | 1.20 | 38 | 1.13 | 14 | 1.21 | 44 |
| San Antonio, TX | 1.12 | 10 | 1.23 | 31 | 1.13 | 14 | 1.31 | 26 |
| San Jose, CA | 1.12 | 10 | 1.44 | 3 | 1.12 | 24 | 1.55 | 3 |
| Minneapolis-St. Paul, MN-WI | 1.11 | 20 | 1.26 | 23 | 1.12 | 24 | 1.28 | 31 |
| Sacramento, CA | 1.11 | 20 | 1.27 | 22 | 1.13 | 14 | 1.34 | 19 |
| Kansas City, MO-KS | 1.10 | 29 | 1.16 | 59 | 1.11 | 31 | 1.17 | 67 |
| Portland, OR-WA | 1.10 | 29 | 1.35 | 8 | 1.11 | 31 | 1.45 | 7 |
| Denver-Aurora, CO | 1.09 | 40 | 1.32 | 15 | 1.10 | 40 | 1.37 | 16 |
| Cleveland, OH | 1.08 | 44 | 1.14 | 79 | 1.09 | 44 | 1.17 | 67 |
| Columbus, OH | 1.08 | 44 | 1.18 | 41 | 1.09 | 44 | 1.21 | 44 |
| Memphis, TN-MS-AR | 1.08 | 44 | 1.18 | 41 | 1.08 | 58 | 1.19 | 54 |
| Pittsburgh, PA | 1.08 | 44 | 1.18 | 41 | 1.09 | 44 | 1.19 | 54 |
| Riverside-San Bernardino, CA | 1.08 | 44 | 1.33 | 13 | 1.09 | 44 | 1.45 | 7 |
| St. Louis, MO-IL | 1.08 | 44 | 1.14 | 79 | 1.08 | 58 | 1.17 | 67 |
| Tampa-St. Petersburg, FL | 1.08 | 44 | 1.25 | 25 | 1.09 | 44 | 1.32 | 23 |
| Baltimore, MD | 1.07 | 57 | 1.26 | 23 | 1.09 | 44 | 1.32 | 23 |
| Las Vegas-Henderson, NV | 1.07 | 57 | 1.25 | 25 | 1.07 | 75 | 1.26 | 37 |
| Milwaukee, WI | 1.07 | 57 | 1.16 | 59 | 1.07 | 75 | 1.17 | 67 |
| Orlando, FL | 1.07 | 57 | 1.24 | 28 | 1.08 | 58 | 1.30 | 29 |
| Richmond, VA | 1.07 | 57 | 1.12 | 91 | 1.08 | 58 | 1.13 | 93 |
| Charlotte, NC-SC | 1.06 | 75 | 1.22 | 34 | 1.07 | 75 | 1.26 | 37 |
| Cincinnati, OH-KY-IN | 1.06 | 75 | 1.17 | 49 | 1.07 | 75 | 1.18 | 60 |
| Indianapolis, IN | 1.06 | 75 | 1.18 | 41 | 1.07 | 75 | 1.20 | 49 |
| Jacksonville, FL | 1.06 | 75 | 1.21 | 37 | 1.09 | 44 | 1.28 | 31 |
| Nashville-Davidson, TN | 1.06 | 75 | 1.23 | 31 | 1.07 | 75 | 1.35 | 18 |
| Salt Lake City-West Valley City, UT | 1.06 | 75 | 1.17 | 49 | 1.07 | 75 | 1.19 | 54 |
| Virginia Beach, VA | 1.06 | 75 | 1.16 | 59 | 1.07 | 75 | 1.18 | 60 |
| Louisville-Jefferson County, KY-IN | 1.05 | 85 | 1.17 | 49 | 1.06 | 91 | 1.19 | 54 |
| Raleigh, NC | 1.05 | 85 | 1.17 | 49 | 1.05 | 99 | 1.19 | 54 |

Large Urban Areas—over 1 million and less than 3 million population.

Travel Time Index—The ratio of travel time in the peak period to the travel time at free-flow conditions. A value of 1.30 indicates a 20-minute free-flow trip takes 26 minutes in the peak period.

Commuter Stress Index—The travel time index calculated for only the most congested direction in each peak period (modeling an individual commuter's experience).

Note: Please do not place too much emphasis on small differences in the rankings. There may be little difference in congestion between areas ranked (for example) 6th and 12th. The actual measure values should also be examined. The best congestion comparisons are made between similar urban areas.

Table 7. Travel Time Index and Commuter Stress Index, Continued

| Urban Area | Travel Time Index | | | | Commuter Stress Index | | | |
|----------------------------------|-------------------|------|-------------|------|-----------------------|------|-------------|------|
| | 2020 | | 2019 | | 2020 | | 2019 | |
| | Hours | Rank | Hours | Rank | Hours | Rank | Hours | Rank |
| Medium Average (33 areas) | 1.08 | | 1.18 | | 1.09 | | 1.21 | |
| Bridgeport-Stamford, CT-NY | 1.15 | 4 | 1.30 | 17 | 1.18 | 3 | 1.33 | 21 |
| El Paso, TX-NM | 1.13 | 6 | 1.16 | 59 | 1.16 | 6 | 1.20 | 49 |
| Fresno, CA | 1.12 | 10 | 1.15 | 72 | 1.14 | 10 | 1.18 | 60 |
| McAllen, TX | 1.12 | 10 | 1.17 | 49 | 1.13 | 14 | 1.20 | 49 |
| Albany-Schenectady, NY | 1.11 | 20 | 1.15 | 72 | 1.11 | 31 | 1.17 | 67 |
| Honolulu, HI | 1.11 | 20 | 1.42 | 4 | 1.13 | 14 | 1.52 | 4 |
| New Orleans, LA | 1.11 | 20 | 1.33 | 13 | 1.11 | 31 | 1.36 | 17 |
| New Haven, CT | 1.10 | 29 | 1.15 | 72 | 1.12 | 24 | 1.16 | 79 |
| Worcester, MA-CT | 1.10 | 29 | 1.13 | 83 | 1.11 | 31 | 1.14 | 86 |
| Allentown, PA-NJ | 1.09 | 40 | 1.16 | 59 | 1.09 | 44 | 1.21 | 44 |
| Rochester, NY | 1.09 | 40 | 1.16 | 59 | 1.10 | 40 | 1.17 | 67 |
| Wichita, KS | 1.09 | 40 | 1.13 | 83 | 1.09 | 44 | 1.14 | 86 |
| Buffalo, NY | 1.08 | 44 | 1.16 | 59 | 1.09 | 44 | 1.17 | 67 |
| Colorado Springs, CO | 1.08 | 44 | 1.16 | 59 | 1.08 | 58 | 1.17 | 67 |
| Dayton, OH | 1.08 | 44 | 1.12 | 91 | 1.08 | 58 | 1.13 | 93 |
| Tulsa, OK | 1.08 | 44 | 1.13 | 83 | 1.08 | 58 | 1.14 | 86 |
| Charleston-North Charleston, SC | 1.07 | 57 | 1.24 | 28 | 1.08 | 58 | 1.31 | 26 |
| Grand Rapids, MI | 1.07 | 57 | 1.12 | 91 | 1.08 | 58 | 1.13 | 93 |
| Hartford, CT | 1.07 | 57 | 1.17 | 49 | 1.09 | 44 | 1.18 | 60 |
| Springfield, MA-CT | 1.07 | 57 | 1.11 | 96 | 1.08 | 58 | 1.13 | 93 |
| Toledo, OH-MI | 1.07 | 57 | 1.13 | 83 | 1.08 | 58 | 1.14 | 86 |
| Tucson, AZ | 1.07 | 57 | 1.20 | 38 | 1.07 | 75 | 1.21 | 44 |
| Akron, OH | 1.06 | 75 | 1.10 | 97 | 1.09 | 44 | 1.15 | 81 |
| Albuquerque, NM | 1.06 | 75 | 1.17 | 49 | 1.07 | 75 | 1.22 | 41 |
| Cape Coral, FL | 1.06 | 75 | 1.19 | 40 | 1.09 | 44 | 1.21 | 44 |
| Bakersfield, CA | 1.05 | 85 | 1.15 | 72 | 1.06 | 91 | 1.17 | 67 |
| Baton Rouge, LA | 1.05 | 85 | 1.22 | 34 | 1.06 | 91 | 1.27 | 35 |
| Birmingham, AL | 1.05 | 85 | 1.17 | 49 | 1.06 | 91 | 1.22 | 41 |
| Columbia, SC | 1.05 | 85 | 1.15 | 72 | 1.06 | 91 | 1.17 | 67 |
| Knoxville, TN | 1.05 | 85 | 1.14 | 79 | 1.06 | 91 | 1.15 | 81 |
| Omaha, NE-IA | 1.05 | 85 | 1.18 | 41 | 1.07 | 75 | 1.20 | 49 |
| Provo-Orem, UT | 1.05 | 85 | 1.12 | 91 | 1.06 | 91 | 1.13 | 93 |
| Sarasota-Bradenton, FL | 1.05 | 85 | 1.18 | 41 | 1.07 | 75 | 1.25 | 39 |

Medium Urban Areas—over 500,000 and less than 1 million population.

Travel Time Index—The ratio of travel time in the peak period to the travel time at free-flow conditions. A value of 1.30 indicates a 20-minute free-flow trip takes 26 minutes in the peak period.

Commuter Stress Index—The travel time index calculated for only the most congested direction in each peak period (modeling an individual commuter's experience).

Note: Please do not place too much emphasis on small differences in the rankings. There may be little difference in congestion between areas ranked (for example) 6th and 12th. The actual measure values should also be examined. The best congestion comparisons are made between similar urban areas.

Table 7. Travel Time Index and Commuter Stress Index, Continued

| Urban Area | Travel Time Index | | | | Commuter Stress Index | | | |
|---------------------------------|-------------------|------|-------------|------|-----------------------|------|-------------|------|
| | 2020 | | 2019 | | 2020 | | 2019 | |
| | Hours | Rank | Hours | Rank | Hours | Rank | Hours | Rank |
| Small Average (21 areas) | 1.07 | | 1.14 | | 1.09 | | 1.16 | |
| Corpus Christi, TX | 1.11 | 20 | 1.13 | 83 | 1.15 | 8 | 1.16 | 79 |
| Greensboro, NC | 1.11 | 20 | 1.13 | 83 | 1.12 | 24 | 1.14 | 86 |
| Beaumont, TX | 1.10 | 29 | 1.12 | 91 | 1.12 | 24 | 1.14 | 86 |
| Brownsville, TX | 1.10 | 29 | 1.13 | 83 | 1.13 | 14 | 1.15 | 81 |
| Little Rock, AR | 1.10 | 29 | 1.14 | 79 | 1.11 | 31 | 1.15 | 81 |
| Stockton, CA | 1.10 | 29 | 1.17 | 49 | 1.13 | 14 | 1.17 | 67 |
| Boulder, CO | 1.08 | 44 | 1.22 | 34 | 1.10 | 40 | 1.28 | 31 |
| Anchorage, AK | 1.07 | 57 | 1.18 | 41 | 1.08 | 58 | 1.24 | 40 |
| Eugene, OR | 1.07 | 57 | 1.15 | 72 | 1.08 | 58 | 1.20 | 49 |
| Jackson, MS | 1.07 | 57 | 1.13 | 83 | 1.08 | 58 | 1.14 | 86 |
| Laredo, TX | 1.07 | 57 | 1.17 | 49 | 1.08 | 58 | 1.30 | 29 |
| Pensacola, FL-AL | 1.07 | 57 | 1.16 | 59 | 1.10 | 40 | 1.18 | 60 |
| Poughkeepsie-Newburgh, NY-NJ | 1.07 | 57 | 1.10 | 97 | 1.08 | 58 | 1.11 | 98 |
| Spokane, WA | 1.07 | 57 | 1.16 | 59 | 1.08 | 58 | 1.17 | 67 |
| Boise, ID | 1.05 | 85 | 1.18 | 41 | 1.07 | 75 | 1.22 | 41 |
| Indio-Cathedral City, CA | 1.05 | 85 | 1.10 | 97 | 1.07 | 75 | 1.10 | 100 |
| Lancaster-Palmdale, CA | 1.05 | 85 | 1.09 | 101 | 1.06 | 91 | 1.10 | 100 |
| Madison, WI | 1.05 | 85 | 1.16 | 59 | 1.05 | 99 | 1.18 | 60 |
| Oxnard, CA | 1.05 | 85 | 1.16 | 59 | 1.07 | 75 | 1.19 | 54 |
| Salem, OR | 1.05 | 85 | 1.15 | 72 | 1.07 | 75 | 1.15 | 81 |
| Winston-Salem, NC | 1.04 | 101 | 1.10 | 97 | 1.04 | 101 | 1.11 | 98 |
| 101 Area Average | 1.11 | | 1.28 | | 1.12 | | 1.34 | |
| Remaining Areas Average | 1.06 | | 1.11 | | 1.07 | | 1.14 | |
| All 494 Area Average | 1.09 | | 1.23 | | 1.11 | | 1.29 | |

Very Large Urban Areas—over 3 million population.

Medium Urban Areas—over 500,000 and less than 1 million population.

Large Urban Areas—over 1 million and less than 3 million population.

Small Urban Areas—less than 500,000 population.

Travel Time Index—The ratio of travel time in the peak period to the travel time at free-flow conditions. A value of 1.30 indicates a 20-minute free-flow trip takes 26 minutes in the peak period.

Commuter Stress Index—The travel time index calculated for only the most congested direction in each peak period (modeling an individual commuter's experience).

Note: Please do not place too much emphasis on small differences in the rankings. There may be little difference in congestion between areas ranked (for example) 6th and 12th. The actual measure values should also be examined. The best congestion comparisons are made between similar urban areas.

Table 8. Excess Travel Time and Congestion Cost per 2019 Auto Commuter

| Urban Area | Annual Delay per 2019 Auto Commuter | | Annual Congestion Cost per 2019 Auto Commuter | |
|---|-------------------------------------|------|---|------|
| | (Person-Hours) | | (2020 \$) | |
| | 2020 | 2019 | 2020 | 2019 |
| Aberdeen-Bel Air S-Bel Air N, MD | 13 | 23 | 310 | 506 |
| Abilene, TX | 14 | 20 | 320 | 459 |
| Aguadilla-Isabela-San Sebastian, PR | 9 | 16 | 270 | 430 |
| Albany, GA | 7 | 18 | 171 | 414 |
| Albany, OR | 5 | 9 | 110 | 215 |
| Alexandria, LA | 14 | 27 | 324 | 609 |
| Alton, IL-MO | - | - | - | - |
| Altoona, PA | 13 | 17 | 292 | 377 |
| Amarillo, TX | 10 | 20 | 226 | 444 |
| Ames, IA | 3 | 8 | 58 | 171 |
| Anderson, IN | 5 | 16 | 104 | 349 |
| Anderson, SC | 11 | 22 | 254 | 485 |
| Ann Arbor, MI | 10 | 21 | 228 | 460 |
| Anniston-Oxford, AL | 12 | 21 | 253 | 438 |
| Antioch, CA | 11 | 33 | 241 | 693 |
| Appleton, WI | 6 | 16 | 149 | 352 |
| Arecibo, PR | 15 | 25 | 399 | 669 |
| Arroyo Grande-Grover Beach, CA | 13 | 21 | 329 | 494 |
| Asheville, NC | 19 | 28 | 413 | 612 |
| Athens-Clarke County, GA | 12 | 26 | 256 | 547 |
| Atlantic City, NJ | 16 | 21 | 356 | 445 |
| Auburn, AL | 15 | 30 | 325 | 640 |
| Augusta-Richmond County, GA-SC | 16 | 26 | 349 | 566 |
| Avondale-Goodyear, AZ | 14 | 23 | 320 | 529 |
| Bangor, ME | 14 | 28 | 313 | 604 |
| Barnstable Town, MA | 15 | 20 | 348 | 444 |
| Battle Creek, MI | 6 | 15 | 144 | 351 |
| Bay City, MI | 6 | 17 | 140 | 361 |
| Beckley, WV | 9 | 12 | 214 | 282 |
| Bellingham, WA | 15 | 28 | 341 | 612 |
| Beloit, WI-IL | 4 | 11 | 95 | 240 |
| Bend, OR | 9 | 24 | 212 | 549 |
| Benton Harbor-St. Joseph-Fair Plain, MI | 6 | 14 | 144 | 310 |
| Billings, MT | 9 | 21 | 198 | 453 |
| Binghamton, NY-PA | 14 | 20 | 320 | 462 |
| Bismarck, ND | 10 | 19 | 213 | 389 |
| Blacksburg, VA | 7 | 15 | 152 | 294 |
| Bloomington, IN | 6 | 16 | 140 | 358 |
| Bloomington-Normal, IL | 4 | 11 | 99 | 238 |
| Bloomsburg-Berwick, PA | 7 | 10 | 175 | 236 |
| Bonita Springs, FL | 11 | 32 | 250 | 705 |
| Bowling Green, KY | 13 | 32 | 305 | 712 |
| Bremerton, WA | 12 | 25 | 263 | 545 |
| Bristol, TN-VA | 18 | 23 | 412 | 520 |
| Brunswick, GA | 9 | 21 | 206 | 460 |
| Burlington, NC | 8 | 16 | 183 | 335 |
| Burlington, VT | 19 | 25 | 421 | 554 |
| Camarillo, CA | 17 | 37 | 389 | 806 |
| Canton, OH | 11 | 22 | 238 | 475 |
| Cape Girardeau, MO-IL | 9 | 18 | 191 | 377 |

Table 8. Excess Travel Time and Congestion Cost per 2019 Auto Commuter, Continued

| Urban Area | Annual Delay per 2019 Auto Commuter | | Annual Congestion Cost per 2019 Auto Commuter | |
|----------------------------------|-------------------------------------|------|---|-------|
| | (Person-Hours) | | (2020 \$) | |
| | 2020 | 2019 | 2020 | 2019 |
| Carbondale, IL | 6 | 11 | 123 | 225 |
| Carson City, NV | 5 | 13 | 118 | 282 |
| Cartersville, GA | 9 | 22 | 197 | 486 |
| Casa Grande, AZ | 4 | 10 | 84 | 231 |
| Casper, WY | 7 | 15 | 163 | 319 |
| Cedar Rapids, IA | 11 | 19 | 259 | 412 |
| Chambersburg, PA | 5 | 8 | 133 | 195 |
| Champaign, IL | 8 | 12 | 174 | 258 |
| Charleston, WV | 12 | 17 | 273 | 393 |
| Charlottesville, VA | 19 | 38 | 409 | 798 |
| Chattanooga, TN-GA | 15 | 32 | 350 | 745 |
| Cheyenne, WY | 6 | 14 | 135 | 322 |
| Chico, CA | 7 | 17 | 150 | 366 |
| Clarksville, TN-KY | 8 | 22 | 191 | 502 |
| Cleveland, TN | 11 | 24 | 267 | 554 |
| Coeur d'Alene, ID | 10 | 23 | 222 | 477 |
| College Station-Bryan, TX | 15 | 32 | 334 | 686 |
| Columbia, MO | 14 | 20 | 335 | 452 |
| Columbus, GA-AL | 10 | 20 | 228 | 422 |
| Columbus, IN | 7 | 10 | 155 | 211 |
| Concord, CA | 17 | 49 | 385 | 1,057 |
| Concord, NC | 11 | 23 | 241 | 511 |
| Conroe-The Woodlands, TX | 21 | 34 | 478 | 749 |
| Conway, AR | 12 | 26 | 261 | 539 |
| Corvallis, OR | 4 | 11 | 94 | 245 |
| Cumberland, MD-WV-PA | 14 | 23 | 311 | 493 |
| Dalton, GA | 7 | 20 | 160 | 441 |
| Danbury, CT-NY | 15 | 20 | 328 | 427 |
| Danville, IL | 3 | 9 | 80 | 203 |
| Daphne-Fairhope, AL | 16 | 26 | 344 | 525 |
| Davenport, IA-IL | 9 | 14 | 193 | 285 |
| Davis, CA | 26 | 40 | 591 | 891 |
| DeKalb, IL | 4 | 9 | 79 | 188 |
| Decatur, AL | 11 | 24 | 247 | 512 |
| Decatur, IL | 4 | 11 | 91 | 243 |
| Delano, CA | 5 | 15 | 125 | 333 |
| Deltona, FL | 7 | 16 | 151 | 347 |
| Denton-Lewisville, TX | 21 | 32 | 476 | 700 |
| Des Moines, IA | 7 | 17 | 153 | 374 |
| Dothan, AL | 11 | 33 | 250 | 736 |
| Dover, DE | 10 | 22 | 232 | 489 |
| Dover-Rochester, NH-ME | 15 | 20 | 339 | 440 |
| Dubuque, IA-IL | 5 | 14 | 126 | 312 |
| Duluth, MN-WI | 8 | 16 | 177 | 363 |
| Durham, NC | 18 | 35 | 401 | 732 |
| East Stroudsburg, PA-NJ | 7 | 9 | 157 | 198 |
| Eau Claire, WI | 6 | 14 | 134 | 306 |
| El Centro-Calexico, CA | 6 | 14 | 133 | 327 |
| El Paso de Robles-Atascadero, CA | 13 | 35 | 321 | 795 |
| Elizabethtown-Radcliff, KY | 7 | 16 | 159 | 338 |

Table 8. Excess Travel Time and Congestion Cost per 2019 Auto Commuter, Continued

| Urban Area | Annual Delay per 2019 Auto Commuter | | Annual Congestion Cost per 2019 Auto Commuter | |
|---------------------------------------|-------------------------------------|------|---|------|
| | (Person-Hours) | | (2020 \$) | |
| | 2020 | 2019 | 2020 | 2019 |
| Elkhart, IN-MI | 7 | 14 | 180 | 339 |
| Elmira, NY | 7 | 13 | 163 | 277 |
| Erie, PA | 8 | 17 | 168 | 369 |
| Evansville, IN-KY | 7 | 18 | 159 | 392 |
| Fairbanks, AK | 14 | 34 | 319 | 775 |
| Fairfield, CA | 16 | 43 | 369 | 921 |
| Fajardo, PR | 5 | 8 | 128 | 192 |
| Fargo, ND-MN | 8 | 21 | 166 | 438 |
| Farmington, NM | 5 | 14 | 119 | 304 |
| Fayetteville, NC | 9 | 23 | 198 | 476 |
| Fayetteville-Springdale-Rogers, AR-MO | 14 | 32 | 301 | 693 |
| Flagstaff, AZ | 8 | 17 | 191 | 390 |
| Flint, MI | 7 | 15 | 144 | 323 |
| Florence, AL | 13 | 29 | 289 | 605 |
| Florence, SC | 19 | 31 | 426 | 677 |
| Florida-Imbrey-Barceloneta, PR | 4 | 10 | 115 | 237 |
| Fond du Lac, WI | 4 | 10 | 90 | 211 |
| Fort Collins, CO | 12 | 23 | 256 | 483 |
| Fort Smith, AR-OK | 9 | 23 | 206 | 504 |
| Fort Walton Beach-Navarre-Wright, FL | 10 | 24 | 226 | 517 |
| Fort Wayne, IN | 8 | 19 | 186 | 416 |
| Frederick, MD | 16 | 27 | 367 | 596 |
| Fredericksburg, VA | 17 | 31 | 375 | 675 |
| Gadsden, AL | 12 | 30 | 259 | 647 |
| Gainesville, FL | 11 | 28 | 240 | 593 |
| Gainesville, GA | 11 | 25 | 250 | 556 |
| Gastonia, NC-SC | 11 | 25 | 243 | 530 |
| Gilroy-Morgan Hill, CA | 14 | 35 | 317 | 757 |
| Glens Falls, NY | 13 | 22 | 291 | 471 |
| Goldsboro, NC | 8 | 19 | 185 | 410 |
| Grand Forks, ND-MN | 8 | 23 | 184 | 488 |
| Grand Island, NE | 4 | 9 | 79 | 183 |
| Grand Junction, CO | 5 | 12 | 101 | 251 |
| Grants Pass, OR | 6 | 13 | 143 | 298 |
| Great Falls, MT | 5 | 13 | 113 | 286 |
| Greeley, CO | 11 | 26 | 250 | 573 |
| Green Bay, WI | 8 | 16 | 182 | 351 |
| Greenville, NC | 12 | 31 | 275 | 668 |
| Greenville, SC | 16 | 30 | 363 | 664 |
| Guayama, PR | 4 | 11 | 102 | 233 |
| Gulfport, MS | 14 | 24 | 302 | 497 |
| Hagerstown, MD-WV-PA | 12 | 16 | 277 | 368 |
| Hammond, LA | 8 | 17 | 174 | 348 |
| Hanford, CA | 4 | 10 | 98 | 209 |
| Hanover, PA | 7 | 13 | 163 | 289 |
| Harlingen, TX | 7 | 15 | 155 | 339 |
| Harrisburg, PA | 20 | 35 | 471 | 778 |
| Harrisonburg, VA | 10 | 24 | 210 | 511 |
| Hattiesburg, MS | 13 | 27 | 282 | 573 |
| Hazleton, PA | 11 | 19 | 254 | 427 |

Table 8. Excess Travel Time and Congestion Cost per 2019 Auto Commuter, Continued

| Urban Area | Annual Delay per 2019 Auto Commuter | | Annual Congestion Cost per 2019 Auto Commuter | |
|--|-------------------------------------|------|---|------|
| | (Person-Hours) | | (2020 \$) | |
| | 2020 | 2019 | 2020 | 2019 |
| Hemet, CA | 5 | 10 | 114 | 229 |
| Hickory, NC | 8 | 19 | 176 | 400 |
| High Point, NC | 6 | 15 | 144 | 334 |
| Hilton Head Island, SC | 14 | 21 | 329 | 490 |
| Hinesville, GA | 4 | 11 | 98 | 230 |
| Holland, MI | 9 | 12 | 202 | 251 |
| Homosassa Spr-Beverly Hills-Citrus Spr, FL | 11 | 16 | 258 | 337 |
| Hot Springs, AR | 12 | 23 | 260 | 473 |
| Houma, LA | 7 | 17 | 164 | 394 |
| Huntington, WV-KY-OH | 9 | 19 | 201 | 415 |
| Huntsville, AL | 14 | 28 | 298 | 580 |
| Idaho Falls, ID | 5 | 11 | 120 | 234 |
| Iowa City, IA | 6 | 16 | 138 | 341 |
| Ithaca, NY | 17 | 28 | 382 | 614 |
| Jackson, MI | 7 | 17 | 167 | 369 |
| Jackson, TN | 9 | 24 | 227 | 572 |
| Jacksonville, NC | 9 | 20 | 208 | 422 |
| Janesville, WI | 10 | 19 | 234 | 439 |
| Jefferson City, MO | 10 | 22 | 222 | 468 |
| Johnson City, TN | 10 | 18 | 240 | 388 |
| Johnstown, PA | 5 | 12 | 115 | 266 |
| Jonesboro, AR | 18 | 26 | 390 | 541 |
| Joplin, MO | 8 | 21 | 178 | 470 |
| Juana Díaz, PR | 3 | 8 | 36 | 82 |
| Kahului, HI | 8 | 23 | 200 | 547 |
| Kailua (Honolulu County)-Kaneohe, HI | 8 | 24 | 208 | 559 |
| Kalamazoo, MI | 9 | 17 | 205 | 375 |
| Kankakee, IL | 5 | 13 | 109 | 293 |
| Kennewick-Pasco, WA | 6 | 17 | 138 | 371 |
| Kenosha, WI-IL | 13 | 23 | 324 | 552 |
| Killeen, TX | 10 | 14 | 236 | 319 |
| Kingsport, TN-VA | 7 | 18 | 164 | 400 |
| Kingston, NY | 17 | 23 | 376 | 486 |
| Kissimmee, FL | 11 | 35 | 259 | 769 |
| Kokomo, IN | 3 | 9 | 77 | 193 |
| La Crosse, WI-MN | 9 | 16 | 123 | 229 |
| Lady Lake-The Villages, FL | 8 | 14 | 165 | 287 |
| Lafayette, IN | 7 | 18 | 149 | 392 |
| Lafayette, LA | 13 | 29 | 308 | 670 |
| Lafayette-Louisville-Erie, CO | 8 | 18 | 179 | 368 |
| Lake Charles, LA | 15 | 38 | 376 | 880 |
| Lake Havasu City, AZ | 2 | 6 | 54 | 136 |
| Lake Jackson-Angleton, TX | 15 | 22 | 339 | 482 |
| Lakeland, FL | 9 | 18 | 218 | 419 |
| Lancaster, PA | 14 | 19 | 309 | 410 |
| Lansing, MI | 9 | 15 | 208 | 334 |
| Las Cruces, NM | 8 | 19 | 187 | 427 |
| Lawrence, KS | 6 | 14 | 135 | 314 |
| Lawton, OK | 3 | 7 | 66 | 153 |
| Lebanon, PA | 4 | 9 | 97 | 199 |

Table 8. Excess Travel Time and Congestion Cost per 2019 Auto Commuter, Continued

| Urban Area | Annual Delay per 2019 Auto Commuter (Person-Hours) | | Annual Congestion Cost per 2019 Auto Commuter (2020 \$) | |
|--|--|------|---|-------|
| | 2020 | 2019 | 2020 | 2019 |
| Leesburg-Eustis-Tavares, FL | 9 | 18 | 215 | 404 |
| Leominster-Fitchburg, MA | 14 | 20 | 324 | 436 |
| Lewiston, ID-WA | 4 | 11 | 96 | 248 |
| Lewiston, ME | 10 | 22 | 240 | 500 |
| Lexington Park-Cal-Ches Ranch Estates, MD | 18 | 27 | 385 | 569 |
| Lexington-Fayette, KY | 13 | 36 | 308 | 789 |
| Lima, OH | 5 | 12 | 128 | 280 |
| Lincoln, NE | 7 | 17 | 153 | 380 |
| Livermore, CA | 18 | 47 | 410 | 1,034 |
| Lodi, CA | 23 | 38 | 566 | 880 |
| Logan, UT | 3 | 8 | 72 | 197 |
| Lompoc, CA | 3 | 8 | 67 | 175 |
| Longmont, CO | 14 | 27 | 319 | 587 |
| Longview, TX | 20 | 34 | 459 | 739 |
| Longview, WA-OR | 12 | 23 | 279 | 506 |
| Lorain-Elyria, OH | 7 | 16 | 158 | 354 |
| Los Lunas, NM | 4 | 9 | 81 | 205 |
| Lubbock, TX | 13 | 19 | 298 | 414 |
| Lynchburg, VA | 16 | 28 | 358 | 593 |
| Macon, GA | 11 | 24 | 256 | 513 |
| Madera, CA | 7 | 15 | 162 | 344 |
| Manchester, NH | 13 | 22 | 302 | 498 |
| Mandeville-Covington, LA | 23 | 37 | 539 | 848 |
| Manhattan, KS | 6 | 9 | 126 | 186 |
| Mankato, MN | 7 | 10 | 156 | 221 |
| Mansfield, OH | 5 | 13 | 114 | 282 |
| Manteca, CA | 26 | 37 | 599 | 837 |
| Marysville, WA | 10 | 24 | 228 | 555 |
| Mauldin-Simpsonville, SC | 16 | 27 | 378 | 602 |
| Mayaguez, PR | 26 | 42 | 701 | 1,059 |
| McKinney, TX | 12 | 19 | 278 | 433 |
| Medford, OR | 8 | 15 | 181 | 334 |
| Merced, CA | 8 | 13 | 192 | 299 |
| Michigan City-La Porte, IN-MI | 5 | 11 | 112 | 236 |
| Middletown, OH | 7 | 14 | 159 | 317 |
| Midland, MI | 6 | 11 | 116 | 231 |
| Midland, TX | 18 | 27 | 416 | 638 |
| Mission Viejo-Lake Forest-San Clemente, CA | 15 | 38 | 343 | 828 |
| Missoula, MT | 9 | 24 | 201 | 502 |
| Mobile AL | 18 | 30 | 396 | 656 |
| Modesto, CA | 21 | 30 | 492 | 687 |
| Monessen-California, PA | 9 | 13 | 195 | 262 |
| Monroe, LA | 12 | 18 | 268 | 392 |
| Monroe, MI | 4 | 10 | 105 | 230 |
| Montgomery, AL | 10 | 25 | 224 | 542 |
| Morgantown, WV | 4 | 12 | 99 | 277 |
| Morristown, TN | 10 | 22 | 225 | 482 |
| Mount Vernon, WA | 17 | 26 | 389 | 577 |
| Muncie, IN | 4 | 11 | 96 | 244 |
| Murrieta-Temecula-Menifee CA | 11 | 29 | 247 | 641 |

Table 8. Excess Travel Time and Congestion Cost per 2019 Auto Commuter, Continued

| Urban Area | Annual Delay per 2019 Auto Commuter (Person-Hours) | | Annual Congestion Cost per 2019 Auto Commuter (2020 \$) | |
|--|--|------|---|------|
| | 2020 | 2019 | 2020 | 2019 |
| Muskegon, MI | 6 | 11 | 132 | 243 |
| Myrtle Beach-Socastee, SC-NC | 17 | 33 | 384 | 723 |
| Nampa, ID | 6 | 17 | 135 | 350 |
| Napa, CA | 17 | 46 | 389 | 1004 |
| Nashua, NH-MA | 14 | 22 | 317 | 491 |
| New Bedford, MA | 13 | 22 | 285 | 472 |
| New Bern, NC | 7 | 12 | 154 | 272 |
| Newark, OH | 11 | 19 | 245 | 398 |
| Norman, OK | 25 | 38 | 551 | 843 |
| North Port-Port Charlotte, FL | 6 | 17 | 125 | 382 |
| Norwich-New London, CT-RI | 17 | 24 | 390 | 526 |
| Ocala, FL | 10 | 27 | 219 | 577 |
| Odessa, TX | 30 | 40 | 685 | 897 |
| Ogden-Layton, UT | 8 | 14 | 218 | 350 |
| Olympia-Lacey, WA | 11 | 28 | 269 | 633 |
| Oshkosh, WI | 5 | 12 | 110 | 264 |
| Owensboro, KY | 6 | 15 | 134 | 356 |
| Palm Bay-Melbourne, FL | 12 | 23 | 271 | 490 |
| Palm Coast-Daytona Beach-Port Orange, FL | 12 | 21 | 270 | 470 |
| Panama City, FL | 13 | 31 | 288 | 664 |
| Parkersburg, WV-OH | 6 | 11 | 132 | 249 |
| Pascagoula, MS | 6 | 15 | 129 | 314 |
| Peoria, IL | 9 | 13 | 195 | 284 |
| Petaluma, CA | 14 | 38 | 320 | 826 |
| Pine Bluff, AR | 6 | 11 | 129 | 257 |
| Pittsfield, MA | 10 | 15 | 237 | 325 |
| Pocatello, ID | 5 | 13 | 120 | 284 |
| Ponce, PR | 9 | 18 | 248 | 492 |
| Port Arthur, TX | 15 | 22 | 340 | 495 |
| Port Huron, MI | 10 | 17 | 223 | 383 |
| Port St. Lucie, FL | 14 | 23 | 314 | 505 |
| Porterville, CA | 3 | 7 | 70 | 145 |
| Portland, ME | 16 | 28 | 369 | 611 |
| Portsmouth, NH-ME | 22 | 30 | 498 | 644 |
| Pottstown, PA | 8 | 15 | 178 | 320 |
| Prescott Valley-Prescott, AZ | 8 | 20 | 184 | 459 |
| Pueblo, CO | 13 | 20 | 291 | 448 |
| Racine, WI | 10 | 20 | 261 | 464 |
| Rapid City, SD | 12 | 20 | 276 | 454 |
| Reading, PA | 9 | 21 | 209 | 448 |
| Redding, CA | 13 | 23 | 305 | 533 |
| Reno, NV-CA | 11 | 26 | 263 | 571 |
| Roanoke, VA | 10 | 25 | 227 | 551 |
| Rochester, MN | 14 | 19 | 313 | 415 |
| Rock Hill, SC | 12 | 26 | 279 | 610 |
| Rockford, IL | 8 | 18 | 198 | 417 |
| Rocky Mount, NC | 8 | 18 | 186 | 387 |
| Rome, GA | 13 | 33 | 291 | 712 |
| Round Lake Bch-McHenry-Grayslake, IL-WI | 1 | 1 | 17 | 29 |
| Saginaw, MI | 6 | 17 | 143 | 377 |

Table 8. Excess Travel Time and Congestion Cost per 2019 Auto Commuter, Continued

| Urban Area | Annual Delay per 2019 Auto Commuter (Person-Hours) | | Annual Congestion Cost per 2019 Auto Commuter (2020 \$) | |
|--|--|------|---|-------|
| | 2020 | 2019 | 2020 | 2019 |
| Salinas, CA | 15 | 27 | 349 | 623 |
| Salisbury, MD-DE | 10 | 19 | 224 | 419 |
| San Angelo, TX | 8 | 18 | 182 | 393 |
| San German-Cabo Rojo-Sabana Grande, PR | 4 | 10 | 120 | 260 |
| San Luis Obispo, CA | 8 | 20 | 177 | 442 |
| San Marcos, TX | 8 | 15 | 205 | 360 |
| Santa Barbara, CA | 17 | 47 | 406 | 1,047 |
| Santa Clarita, CA | 11 | 28 | 247 | 618 |
| Santa Cruz, CA | 29 | 42 | 661 | 923 |
| Santa Fe, NM | 13 | 28 | 299 | 621 |
| Santa Maria, CA | 6 | 16 | 146 | 358 |
| Santa Rosa, CA | 22 | 53 | 512 | 1,151 |
| Saratoga Springs, NY | 19 | 26 | 442 | 591 |
| Savannah, GA | 14 | 35 | 320 | 742 |
| Scranton, PA | 10 | 19 | 223 | 429 |
| Seaside-Monterey, CA | 22 | 48 | 530 | 1,104 |
| Sebastian-Vero Beach S-Florida Ridge, FL | 8 | 14 | 172 | 304 |
| Sebring-Avon Park, FL | 6 | 11 | 148 | 247 |
| Sheboygan, WI | 4 | 11 | 100 | 229 |
| Sherman, TX | 8 | 13 | 181 | 299 |
| Shreveport, LA | 15 | 28 | 382 | 658 |
| Sierra Vista, AZ | 3 | 8 | 78 | 176 |
| Simi Valley, CA | 9 | 20 | 201 | 441 |
| Sioux City, IA-NE-SD | 6 | 14 | 138 | 296 |
| Sioux Falls, SD | 9 | 19 | 206 | 413 |
| Slidell, LA | 8 | 15 | 190 | 335 |
| South Bend, IN-MI | 6 | 13 | 127 | 293 |
| South Lyon-Howell, MI | 10 | 16 | 226 | 372 |
| Spartanburg, SC | 16 | 26 | 357 | 590 |
| Spring Hill, FL | 7 | 11 | 157 | 231 |
| Springfield, IL | 9 | 14 | 214 | 309 |
| Springfield, MO | 16 | 34 | 375 | 746 |
| Springfield, OH | 4 | 9 | 88 | 211 |
| St. Augustine, FL | 12 | 27 | 271 | 584 |
| St. Cloud, MN | 7 | 17 | 148 | 375 |
| St. George, UT | 8 | 12 | 214 | 283 |
| St. Joseph, MO-KS | 6 | 14 | 136 | 315 |
| State College, PA | 7 | 13 | 163 | 283 |
| Staunton-Waynesboro, VA | 9 | 14 | 190 | 297 |
| Sumter, SC | 10 | 19 | 232 | 428 |
| Syracuse, NY | 11 | 18 | 262 | 411 |
| Tallahassee, FL | 15 | 33 | 334 | 725 |
| Temple, TX | 17 | 27 | 408 | 605 |
| Terre Haute, IN | 7 | 18 | 168 | 421 |
| Texarkana, TX-AR | 12 | 20 | 292 | 452 |
| Texas City, TX | 11 | 17 | 239 | 364 |
| Thousand Oaks, CA | 31 | 41 | 706 | 892 |
| Titusville, FL | 5 | 10 | 131 | 229 |
| Topeka, KS | 10 | 21 | 222 | 465 |
| Tracy, CA | 14 | 36 | 342 | 822 |

Table 8. Excess Travel Time and Congestion Cost per 2019 Auto Commuter, Continued

| Urban Area | Annual Delay per 2019 Auto Commuter | | Annual Congestion Cost per 2019 Auto Commuter | |
|--------------------------------|-------------------------------------|------|---|------|
| | (Person-Hours) | | (2020 \$) | |
| | 2020 | 2019 | 2020 | 2019 |
| Trenton, NJ | 14 | 28 | 327 | 614 |
| Turlock, CA | 11 | 29 | 279 | 665 |
| Tuscaloosa, AL | 11 | 31 | 255 | 666 |
| Twin Rivers-Hightstown, NJ | 13 | 27 | 288 | 598 |
| Tyler, TX | 20 | 32 | 477 | 724 |
| Uniontown-Connellsville, PA | 7 | 16 | 162 | 350 |
| Utica, NY | 10 | 18 | 221 | 394 |
| Vacaville, CA | 11 | 27 | 246 | 591 |
| Valdosta, GA | 9 | 23 | 205 | 494 |
| Vallejo, CA | 20 | 40 | 474 | 886 |
| Victoria, TX | 18 | 29 | 430 | 656 |
| Victorville-Hesperia, CA | 8 | 16 | 185 | 378 |
| Villas, NJ | 8 | 10 | 162 | 202 |
| Vineland, NJ | 7 | 14 | 164 | 316 |
| Visalia, CA | 13 | 18 | 306 | 406 |
| Waco, TX | 14 | 31 | 343 | 711 |
| Waldorf, MD | 13 | 23 | 293 | 492 |
| Walla Walla, WA-OR | 4 | 10 | 79 | 207 |
| Warner Robins, GA | 12 | 18 | 268 | 393 |
| Waterbury, CT | 14 | 21 | 334 | 477 |
| Waterloo, IA | 3 | 8 | 70 | 184 |
| Watertown, NY | 5 | 9 | 107 | 203 |
| Watsonville, CA | 9 | 20 | 203 | 426 |
| Wausau, WI | 7 | 14 | 172 | 319 |
| Weirton-Steubenville, WV-OH-PA | 6 | 17 | 155 | 383 |
| Wenatchee, WA | 11 | 26 | 261 | 591 |
| West Bend, WI | 5 | 11 | 115 | 238 |
| Westminster-Eldersburg, MD | 9 | 22 | 199 | 488 |
| Wheeling, WV-OH | 19 | 26 | 450 | 592 |
| Wichita Falls, TX | 7 | 13 | 168 | 294 |
| Williamsburg, VA | 13 | 19 | 272 | 402 |
| Williamsport, PA | 11 | 20 | 245 | 439 |
| Wilmington, NC | 13 | 28 | 271 | 575 |
| Winchester, VA | 22 | 31 | 511 | 715 |
| Winter Haven, FL | 8 | 17 | 191 | 382 |
| Woodland, CA | 8 | 12 | 169 | 254 |
| Yakima, WA | 7 | 19 | 168 | 428 |
| Yauco, PR | 3 | 6 | 66 | 140 |
| York, PA | 12 | 21 | 284 | 467 |
| Youngstown, OH-PA | 9 | 18 | 201 | 397 |
| Yuba City, CA | 7 | 20 | 163 | 433 |
| Yuma, AZ-CA | 7 | 19 | 167 | 426 |
| Zephyrhills, FL | 14 | 19 | 309 | 417 |

A dash indicates the value rounds to zero.

Yearly Delay—Extra travel time during the year.

Yearly Delay per Auto Commuter—Extra travel time during the year divided by the number of people who commute in private vehicles in the urban area.

Congestion Cost—The value of 2020 travel time delay (estimated at \$20.17 per hour of person travel and \$55.24 per hour of truck time) and excess fuel consumption (estimated using the state average cost per gallon for gasoline and diesel).

Table 9. Urban Area Excess Travel Time and Congestion Cost

| Urban Area | Annual Person-Hours of Delay (000) | | Annual Congestion Cost (2020 \$millions) | |
|---|---------------------------------------|--------|---|------|
| | 2020 | 2019 | 2020 | 2019 |
| Aberdeen-Bel Air S-Bel Air N, MD | 3,134 | 5,257 | 70 | 115 |
| Abilene, TX | 1,708 | 2,548 | 40 | 57 |
| Aguadilla-Isabela-San Sebastian, PR | 2,840 | 4,759 | 72 | 115 |
| Albany, GA | 771 | 1,905 | 18 | 43 |
| Albany, OR | 501 | 1,046 | 12 | 24 |
| Alexandria, LA | 1,274 | 2,482 | 30 | 57 |
| Alton, IL-MO | 5 | 13 | - | - |
| Altoona, PA | 1,055 | 1,393 | 24 | 31 |
| Amarillo, TX | 2,257 | 4,600 | 51 | 100 |
| Ames, IA | 305 | 939 | 7 | 20 |
| Anderson, IN | 436 | 1,476 | 10 | 34 |
| Anderson, SC | 980 | 1,948 | 22 | 43 |
| Ann Arbor, MI | 3,239 | 6,726 | 72 | 146 |
| Anniston-Oxford, AL | 1,022 | 1,818 | 22 | 39 |
| Antioch, CA | 3,143 | 9,345 | 68 | 196 |
| Appleton, WI | 1,560 | 3,821 | 35 | 83 |
| Arecibo, PR | 2,042 | 3,462 | 50 | 84 |
| Arroyo Grande-Grover Beach, CA | 1,410 | 2,223 | 35 | 52 |
| Asheville, NC | 5,722 | 8,689 | 127 | 188 |
| Athens-Clarke County, GA | 1,707 | 3,772 | 38 | 80 |
| Atlantic City, NJ | 3,923 | 5,097 | 88 | 110 |
| Auburn, AL | 1,312 | 2,672 | 29 | 57 |
| Augusta-Richmond County, GA-SC | 5,114 | 8,536 | 117 | 190 |
| Avondale-Goodyear, AZ | 3,584 | 6,054 | 83 | 138 |
| Bangor, ME | 827 | 1,689 | 19 | 37 |
| Barnstable Town, MA | 4,029 | 5,252 | 91 | 116 |
| Battle Creek, MI | 499 | 1,313 | 12 | 29 |
| Bay City, MI | 467 | 1,244 | 10 | 27 |
| Beckley, WV | 878 | 1,168 | 22 | 29 |
| Bellingham, WA | 1,897 | 3,537 | 42 | 76 |
| Beloit, WI-IL | 281 | 756 | 7 | 17 |
| Bend, OR | 963 | 2,582 | 23 | 59 |
| Benton Harbor-St. Joseph-Fair Plain, MI | 362 | 790 | 8 | 18 |
| Billings, MT | 1,151 | 2,710 | 26 | 59 |
| Binghamton, NY-PA | 2,399 | 3,539 | 54 | 77 |
| Bismarck, ND | 960 | 1,808 | 21 | 38 |
| Blacksburg, VA | 698 | 1,401 | 15 | 29 |
| Bloomington, IN | 728 | 1,888 | 17 | 43 |
| Bloomington-Normal, IL | 633 | 1,581 | 14 | 34 |
| Bloomsburg-Berwick, PA | 566 | 778 | 13 | 17 |
| Bonita Springs, FL | 3,992 | 11,485 | 88 | 249 |
| Bowling Green, KY | 1,161 | 2,808 | 27 | 63 |
| Bremerton, WA | 2,412 | 5,142 | 54 | 113 |
| Bristol, TN-VA | 1,383 | 1,771 | 32 | 40 |
| Brunswick, GA | 648 | 1,513 | 15 | 33 |
| Burlington, NC | 1,126 | 2,105 | 25 | 46 |
| Burlington, VT | 2,253 | 3,024 | 50 | 66 |
| Camarillo, CA | 1,308 | 2,845 | 29 | 60 |
| Canton, OH | 3,050 | 6,366 | 69 | 138 |
| Cape Girardeau, MO-IL | 600 | 1,224 | 14 | 27 |

Table 9. Urban Area Excess Travel Time and Congestion Cost, Continued

| Urban Area | Annual Person-Hours of Delay (000) | | Annual Congestion Cost (2020 \$millions) | |
|----------------------------------|---------------------------------------|--------|---|------|
| | 2020 | 2019 | 2020 | 2019 |
| Carbondale, IL | 413 | 784 | 9 | 17 |
| Carson City, NV | 486 | 1,193 | 11 | 26 |
| Cartersville, GA | 584 | 1,462 | 13 | 32 |
| Casa Grande, AZ | 322 | 907 | 8 | 21 |
| Casper, WY | 539 | 1,116 | 12 | 24 |
| Cedar Rapids, IA | 2,287 | 3,752 | 52 | 83 |
| Chambersburg, PA | 557 | 872 | 13 | 20 |
| Champaign, IL | 1,201 | 1,875 | 27 | 40 |
| Charleston, WV | 1,840 | 2,669 | 44 | 63 |
| Charlottesville, VA | 1,983 | 4,026 | 43 | 84 |
| Chattanooga, TN-GA | 6,053 | 12,878 | 142 | 302 |
| Cheyenne, WY | 482 | 1,193 | 11 | 26 |
| Chico, CA | 701 | 1,793 | 16 | 39 |
| Clarksville, TN-KY | 1,474 | 3,995 | 34 | 89 |
| Cleveland, TN | 865 | 1,865 | 20 | 42 |
| Coeur d'Alene, ID | 1,201 | 2,632 | 26 | 57 |
| College Station-Bryan, TX | 2,659 | 5,657 | 60 | 122 |
| Columbia, MO | 2,006 | 2,845 | 46 | 63 |
| Columbus, GA-AL | 2,816 | 5,458 | 64 | 119 |
| Columbus, IN | 618 | 877 | 14 | 19 |
| Concord, CA | 14,323 | 41,430 | 327 | 899 |
| Concord, NC | 2,380 | 5,195 | 54 | 115 |
| Conroe-The Woodlands, TX | 5,879 | 9,533 | 132 | 207 |
| Conway, AR | 899 | 1,933 | 20 | 41 |
| Corvallis, OR | 336 | 905 | 8 | 20 |
| Cumberland, MD-WV-PA | 913 | 1,518 | 21 | 34 |
| Dalton, GA | 631 | 1,772 | 14 | 40 |
| Danbury, CT-NY | 2,557 | 3,479 | 57 | 75 |
| Danville, IL | 204 | 541 | 5 | 12 |
| Daphne-Fairhope, AL | 1,608 | 2,564 | 35 | 54 |
| Davenport, IA-IL | 2,579 | 4,002 | 58 | 85 |
| Davis, CA | 2,065 | 3,194 | 48 | 72 |
| DeKalb, IL | 262 | 641 | 6 | 14 |
| Decatur, AL | 875 | 1,876 | 19 | 40 |
| Decatur, IL | 399 | 1,091 | 9 | 24 |
| Delano, CA | 408 | 1,087 | 9 | 25 |
| Deltona, FL | 1,417 | 3,343 | 31 | 72 |
| Denton-Lewisville, TX | 8,309 | 12,450 | 186 | 273 |
| Des Moines, IA | 3,468 | 8,791 | 77 | 188 |
| Dothan, AL | 972 | 2,901 | 22 | 64 |
| Dover, DE | 1,300 | 2,777 | 29 | 61 |
| Dover-Rochester, NH-ME | 1,367 | 1,827 | 31 | 40 |
| Dubuque, IA-IL | 465 | 1,214 | 11 | 26 |
| Duluth, MN-WI | 999 | 2,093 | 22 | 46 |
| Durham, NC | 6,841 | 12,999 | 149 | 272 |
| East Stroudsburg, PA-NJ | 1,123 | 1,480 | 26 | 33 |
| Eau Claire, WI | 655 | 1,549 | 15 | 34 |
| El Centro-Calexico, CA | 689 | 1,754 | 16 | 39 |
| El Paso de Robles-Atascadero, CA | 970 | 2,556 | 23 | 57 |
| Elizabethtown-Radcliff, KY | 679 | 1,496 | 15 | 32 |

Table 9. Urban Area Excess Travel Time and Congestion Cost, Continued

| Urban Area | Annual Person-Hours of Delay (000) | | Annual Congestion Cost (2020 \$millions) | |
|---------------------------------------|---------------------------------------|--------|---|------|
| | 2020 | 2019 | 2020 | 2019 |
| Elkhart, IN-MI | 1,152 | 2,252 | 27 | 52 |
| Elmira, NY | 542 | 974 | 12 | 21 |
| Erie, PA | 1,562 | 3,547 | 34 | 77 |
| Evansville, IN-KY | 1,872 | 4,685 | 41 | 104 |
| Fairbanks, AK | 987 | 2,472 | 22 | 55 |
| Fairfield, CA | 3,262 | 8,551 | 72 | 186 |
| Fajardo, PR | 438 | 710 | 12 | 19 |
| Fargo, ND-MN | 1,506 | 4,052 | 32 | 88 |
| Farmington, NM | 436 | 1,154 | 10 | 25 |
| Fayetteville, NC | 3,142 | 7,829 | 67 | 167 |
| Fayetteville-Springdale-Rogers, AR-MO | 4,490 | 10,490 | 97 | 232 |
| Flagstaff, AZ | 688 | 1,467 | 16 | 33 |
| Flint, MI | 2,412 | 5,663 | 53 | 123 |
| Florence, AL | 1,139 | 2,481 | 25 | 53 |
| Florence, SC | 1,968 | 3,186 | 43 | 71 |
| Florida-Imbrey-Barceloneta, PR | 336 | 724 | 8 | 18 |
| Fond du Lac, WI | 323 | 786 | 7 | 17 |
| Fort Collins, CO | 3,465 | 6,704 | 75 | 147 |
| Fort Smith, AR-OK | 1,221 | 3,068 | 26 | 66 |
| Fort Walton Beach-Navarre-Wright, FL | 2,342 | 5,453 | 50 | 119 |
| Fort Wayne, IN | 2,768 | 6,291 | 62 | 143 |
| Frederick, MD | 2,443 | 4,098 | 54 | 91 |
| Fredericksburg, VA | 2,905 | 5,431 | 63 | 118 |
| Gadsden, AL | 778 | 2,013 | 17 | 44 |
| Gainesville, FL | 2,263 | 5,843 | 49 | 126 |
| Gainesville, GA | 1,582 | 3,636 | 35 | 81 |
| Gastonia, NC-SC | 1,977 | 4,474 | 43 | 97 |
| Gilroy-Morgan Hill, CA | 1,600 | 4,031 | 35 | 88 |
| Glens Falls, NY | 947 | 1,580 | 21 | 35 |
| Goldsboro, NC | 577 | 1,336 | 13 | 29 |
| Grand Forks, ND-MN | 840 | 2,338 | 18 | 50 |
| Grand Island, NE | 309 | 744 | 7 | 16 |
| Grand Junction, CO | 655 | 1,649 | 14 | 37 |
| Grants Pass, OR | 566 | 1,192 | 13 | 28 |
| Great Falls, MT | 365 | 960 | 8 | 21 |
| Greeley, CO | 1,412 | 3,312 | 31 | 73 |
| Green Bay, WI | 1,805 | 3,703 | 41 | 82 |
| Greenville, NC | 1,693 | 4,259 | 36 | 92 |
| Greenville, SC | 7,227 | 13,331 | 159 | 301 |
| Guayama, PR | 349 | 855 | 10 | 22 |
| Gulfport, MS | 3,239 | 5,530 | 69 | 118 |
| Hagerstown, MD-WV-PA | 2,401 | 3,367 | 56 | 77 |
| Hammond, LA | 652 | 1,294 | 15 | 32 |
| Hanford, CA | 427 | 956 | 10 | 22 |
| Hanover, PA | 646 | 1,207 | 15 | 27 |
| Harlingen, TX | 1,367 | 3,120 | 30 | 68 |
| Harrisburg, PA | 6,598 | 11,662 | 154 | 263 |
| Harrisonburg, VA | 675 | 1,703 | 14 | 36 |
| Hattiesburg, MS | 1,140 | 2,378 | 24 | 51 |
| Hazleton, PA | 545 | 966 | 12 | 21 |

Table 9. Urban Area Excess Travel Time and Congestion Cost, Continued

| Urban Area | Annual Person-Hours of Delay (000) | | Annual Congestion Cost (2020 \$millions) | |
|--|---------------------------------------|--------|---|------|
| | 2020 | 2019 | 2020 | 2019 |
| Hemet, CA | 753 | 1,568 | 18 | 36 |
| Hickory, NC | 1,856 | 4,441 | 42 | 95 |
| High Point, NC | 1,262 | 3,037 | 28 | 65 |
| Hilton Head Island, SC | 1,341 | 2,065 | 30 | 45 |
| Hinesville, GA | 295 | 719 | 7 | 15 |
| Holland, MI | 1,060 | 1,363 | 24 | 29 |
| Homosassa Spr-Beverly Hills-Citrus Spr, FL | 1,171 | 1,600 | 27 | 35 |
| Hot Springs, AR | 865 | 1,635 | 19 | 34 |
| Houma, LA | 1,085 | 2,700 | 25 | 61 |
| Huntington, WV-KY-OH | 1,885 | 3,952 | 43 | 88 |
| Huntsville, AL | 5,232 | 10,482 | 114 | 221 |
| Idaho Falls, ID | 695 | 1,397 | 15 | 30 |
| Iowa City, IA | 786 | 2,023 | 18 | 44 |
| Ithaca, NY | 974 | 1,637 | 22 | 35 |
| Jackson, MI | 690 | 1,575 | 16 | 35 |
| Jackson, TN | 883 | 2,316 | 21 | 52 |
| Jacksonville, NC | 1,212 | 2,557 | 27 | 54 |
| Janesville, WI | 771 | 1,528 | 18 | 33 |
| Jefferson City, MO | 704 | 1,537 | 16 | 33 |
| Johnson City, TN | 1,596 | 2,686 | 36 | 58 |
| Johnstown, PA | 346 | 830 | 8 | 18 |
| Jonesboro, AR | 1,374 | 1,995 | 31 | 43 |
| Joplin, MO | 684 | 1,825 | 15 | 41 |
| Juana Díaz, PR | 147 | 350 | 4 | 8 |
| Kahului, HI | 731 | 2,074 | 17 | 46 |
| Kailua (Honolulu County)-Kaneohe, HI | 1,155 | 3,232 | 27 | 72 |
| Kalamazoo, MI | 2,052 | 3,807 | 45 | 82 |
| Kankakee, IL | 401 | 1,158 | 9 | 26 |
| Kennewick-Pasco, WA | 1,560 | 4,270 | 36 | 96 |
| Kenosha, WI-IL | 1,737 | 3,148 | 42 | 71 |
| Killeen, TX | 2,636 | 3,639 | 59 | 80 |
| Kingsport, TN-VA | 872 | 2,159 | 19 | 48 |
| Kingston, NY | 1,568 | 2,122 | 35 | 45 |
| Kissimmee, FL | 5,092 | 15,656 | 114 | 339 |
| Kokomo, IN | 327 | 844 | 7 | 18 |
| La Crosse, WI-MN | 970 | 1,865 | 22 | 41 |
| Lady Lake-The Villages, FL | 978 | 1,761 | 22 | 39 |
| Lafayette, IN | 1,079 | 2,862 | 25 | 65 |
| Lafayette, LA | 3,331 | 7,516 | 80 | 175 |
| Lafayette-Louisville-Erie, CO | 818 | 1,738 | 18 | 36 |
| Lake Charles, LA | 2,533 | 6,287 | 63 | 148 |
| Lake Havasu City, AZ | 191 | 498 | 4 | 11 |
| Lake Jackson-Angleton, TX | 1,482 | 2,205 | 34 | 48 |
| Lakeland, FL | 3,099 | 6,359 | 73 | 140 |
| Lancaster, PA | 5,683 | 7,871 | 129 | 172 |
| Lansing, MI | 3,115 | 5,135 | 68 | 110 |
| Las Cruces, NM | 1,236 | 2,978 | 28 | 65 |
| Lawrence, KS | 700 | 1,655 | 15 | 36 |
| Lawton, OK | 448 | 1,078 | 10 | 23 |
| Lebanon, PA | 355 | 762 | 8 | 17 |

Table 9. Urban Area Excess Travel Time and Congestion Cost, Continued

| Urban Area | Annual Person-Hours of Delay (000) | | Annual Congestion Cost (2020 \$millions) | |
|---|---------------------------------------|--------|---|------|
| | 2020 | 2019 | 2020 | 2019 |
| Leesburg-Eustis-Tavares, FL | 1,545 | 2,991 | 35 | 66 |
| Leominster-Fitchburg, MA | 1,757 | 2,464 | 39 | 53 |
| Lewiston, ID-WA | 292 | 770 | 7 | 17 |
| Lewiston, ME | 716 | 1,534 | 17 | 35 |
| Lexington Park-Cal-Ches Ranch Estates, MD | 899 | 1,387 | 20 | 29 |
| Lexington-Fayette, KY | 4,137 | 10,993 | 94 | 241 |
| Lima, OH | 444 | 1,016 | 10 | 22 |
| Lincoln, NE | 2,054 | 5,316 | 46 | 114 |
| Livermore, CA | 1,534 | 4,026 | 35 | 89 |
| Lodi, CA | 1,690 | 2,786 | 41 | 64 |
| Logan, UT | 307 | 864 | 8 | 21 |
| Lompoc, CA | 186 | 502 | 4 | 12 |
| Longmont, CO | 1,495 | 2,858 | 33 | 60 |
| Longview, TX | 2,142 | 3,569 | 48 | 78 |
| Longview, WA-OR | 817 | 1,554 | 19 | 34 |
| Lorain-Elyria, OH | 1,248 | 2,991 | 30 | 66 |
| Los Lunas, NM | 321 | 838 | 7 | 18 |
| Lubbock, TX | 3,410 | 4,929 | 77 | 107 |
| Lynchburg, VA | 2,114 | 3,651 | 46 | 76 |
| Macon, GA | 1,703 | 3,636 | 40 | 80 |
| Madera, CA | 652 | 1,486 | 16 | 34 |
| Manchester, NH | 2,387 | 4,056 | 55 | 90 |
| Mandeville-Covington, LA | 2,663 | 4,202 | 64 | 100 |
| Manhattan, KS | 454 | 694 | 10 | 15 |
| Mankato, MN | 524 | 768 | 12 | 16 |
| Mansfield, OH | 437 | 1,123 | 10 | 24 |
| Manteca, CA | 2,186 | 3,197 | 52 | 72 |
| Marysville, WA | 1,705 | 4,236 | 39 | 94 |
| Mauldin-Simpsonville, SC | 2,240 | 3,707 | 51 | 82 |
| Mayaguez, PR | 2,826 | 4,489 | 68 | 103 |
| McKinney, TX | 2,485 | 4,003 | 56 | 87 |
| Medford, OR | 1,517 | 2,930 | 35 | 65 |
| Merced, CA | 1,242 | 2,030 | 29 | 46 |
| Michigan City-La Porte, IN-MI | 371 | 794 | 9 | 18 |
| Middletown, OH | 551 | 1,133 | 13 | 25 |
| Midland, MI | 449 | 921 | 10 | 19 |
| Midland, TX | 3,167 | 4,805 | 77 | 117 |
| Mission Viejo-Lake Forest-San Clem, CA | 9,265 | 23,362 | 213 | 515 |
| Missoula, MT | 873 | 2,263 | 19 | 48 |
| Mobile, AL | 7,234 | 12,298 | 162 | 269 |
| Modesto, CA | 8,084 | 11,489 | 186 | 260 |
| Monessen-California, PA | 612 | 853 | 14 | 19 |
| Monroe, LA | 1,451 | 2,210 | 34 | 50 |
| Monroe, MI | 330 | 767 | 8 | 17 |
| Montgomery, AL | 2,778 | 7,000 | 62 | 150 |
| Morgantown, WV | 375 | 1,089 | 9 | 25 |
| Morristown, TN | 597 | 1,294 | 13 | 28 |
| Mount Vernon, WA | 1,045 | 1,583 | 24 | 36 |
| Muncie, IN | 405 | 1,065 | 9 | 24 |
| Murrieta-Temecula-Menifee, CA | 5,129 | 13,477 | 116 | 301 |

Table 9. Urban Area Excess Travel Time and Congestion Cost, Continued

| Urban Area | Annual Person-Hours of Delay (000) | | Annual Congestion Cost (2020 \$millions) | |
|--|---------------------------------------|--------|---|------|
| | 2020 | 2019 | 2020 | 2019 |
| Muskegon, MI | 984 | 1,852 | 22 | 41 |
| Myrtle Beach-Socastee, SC-NC | 4,561 | 8,900 | 102 | 192 |
| Nampa, ID | 1,159 | 3,077 | 26 | 66 |
| Napa, CA | 1,595 | 4,190 | 36 | 94 |
| Nashua, NH-MA | 3,352 | 5,456 | 76 | 118 |
| New Bedford, MA | 2,008 | 3,466 | 45 | 75 |
| New Bern, NC | 504 | 922 | 11 | 20 |
| Newark, OH | 1,724 | 2,871 | 39 | 63 |
| Norman, OK | 2,438 | 3,803 | 55 | 84 |
| North Port-Port Charlotte, FL | 1,078 | 3,331 | 24 | 73 |
| Norwich-New London, CT-RI | 2,826 | 3,983 | 65 | 87 |
| Ocala, FL | 1,720 | 4,704 | 39 | 103 |
| Odessa, TX | 3,650 | 4,949 | 87 | 114 |
| Ogden-Layton, UT | 4,951 | 8,503 | 129 | 208 |
| Olympia-Lacey, WA | 2,304 | 5,551 | 52 | 124 |
| Oshkosh, WI | 403 | 1,012 | 9 | 22 |
| Owensboro, KY | 449 | 1,188 | 11 | 28 |
| Palm Bay-Melbourne, FL | 5,929 | 11,076 | 134 | 242 |
| Palm Coast-Daytona Beach-Port Orange, FL | 4,097 | 7,411 | 93 | 161 |
| Panama City, FL | 2,036 | 4,861 | 46 | 106 |
| Parkersburg, WV-OH | 521 | 1,013 | 12 | 23 |
| Pascagoula, MS | 342 | 870 | 8 | 18 |
| Peoria, IL | 2,508 | 3,731 | 56 | 81 |
| Petaluma, CA | 1,219 | 3,245 | 28 | 72 |
| Pine Bluff, AR | 417 | 867 | 9 | 19 |
| Pittsfield, MA | 861 | 1,214 | 19 | 26 |
| Pocatello, ID | 423 | 1,040 | 9 | 22 |
| Ponce, PR | 1,350 | 2,787 | 31 | 62 |
| Port Arthur, TX | 2,285 | 3,388 | 52 | 75 |
| Port Huron, MI | 881 | 1,600 | 21 | 36 |
| Port St. Lucie, FL | 6,060 | 10,029 | 136 | 220 |
| Porterville, CA | 230 | 493 | 5 | 11 |
| Portland, ME | 3,429 | 5,830 | 78 | 128 |
| Portsmouth, NH-ME | 2,255 | 3,074 | 52 | 67 |
| Pottstown, PA | 859 | 1,603 | 19 | 35 |
| Prescott Valley-Prescott, AZ | 797 | 2,054 | 18 | 46 |
| Pueblo, CO | 1,970 | 3,125 | 44 | 68 |
| Racine, WI | 1,513 | 2,886 | 37 | 66 |
| Rapid City, SD | 1,198 | 2,010 | 27 | 44 |
| Reading, PA | 2,469 | 5,558 | 57 | 121 |
| Redding, CA | 1,763 | 3,148 | 41 | 72 |
| Reno, NV-CA | 4,936 | 11,229 | 113 | 245 |
| Roanoke, VA | 2,264 | 5,684 | 50 | 122 |
| Rochester, MN | 1,692 | 2,323 | 37 | 49 |
| Rock Hill, SC | 1,389 | 3,096 | 31 | 68 |
| Rockford, IL | 2,538 | 5,627 | 58 | 122 |
| Rocky Mount, NC | 565 | 1,220 | 13 | 26 |
| Rome, GA | 1,066 | 2,720 | 24 | 58 |
| Round Lake Bch-McHenry-Grayslake, IL-WI | 215 | 396 | 5 | 9 |
| Saginaw, MI | 805 | 2,181 | 18 | 47 |

Table 9. Urban Area Excess Travel Time and Congestion Cost, Continued

| Urban Area | Annual Person-Hours of Delay (000) | | Annual Congestion Cost (2020 \$millions) | |
|--|---------------------------------------|--------|---|------|
| | 2020 | 2019 | 2020 | 2019 |
| Salinas, CA | 2,947 | 5,420 | 69 | 123 |
| Salisbury, MD-DE | 1,015 | 1,994 | 23 | 43 |
| San Angelo, TX | 1,081 | 2,421 | 25 | 53 |
| San German-Cabo Rojo-Sabana Grande, PR | 527 | 1,197 | 12 | 27 |
| San Luis Obispo, CA | 615 | 1,600 | 14 | 35 |
| San Marcos, TX | 1,241 | 2,262 | 28 | 49 |
| Santa Barbara, CA | 3,809 | 10,286 | 90 | 231 |
| Santa Clarita, CA | 2,672 | 7,012 | 61 | 152 |
| Santa Cruz, CA | 7,263 | 10,612 | 170 | 237 |
| Santa Fe, NM | 1,323 | 2,803 | 29 | 61 |
| Santa Maria, CA | 910 | 2,314 | 21 | 52 |
| Santa Rosa, CA | 7,830 | 18,461 | 178 | 400 |
| Saratoga Springs, NY | 1,430 | 1,943 | 32 | 43 |
| Savannah, GA | 4,060 | 9,878 | 93 | 216 |
| Scranton, PA | 3,933 | 7,726 | 88 | 170 |
| Seaside-Monterey, CA | 2,879 | 6,195 | 68 | 142 |
| Sebastian-Vero Beach S-Florida Ridge, FL | 1,434 | 2,529 | 33 | 55 |
| Sebring-Avon Park, FL | 591 | 1,039 | 14 | 23 |
| Sheboygan, WI | 353 | 845 | 8 | 18 |
| Sherman, TX | 883 | 1,476 | 20 | 33 |
| Shreveport, LA | 4,743 | 8,524 | 115 | 198 |
| Sierra Vista, AZ | 250 | 583 | 6 | 13 |
| Simi Valley, CA | 1,141 | 2,624 | 26 | 56 |
| Sioux City, IA-NE-SD | 687 | 1,587 | 16 | 35 |
| Sioux Falls, SD | 1,708 | 3,529 | 38 | 75 |
| Slidell, LA | 762 | 1,447 | 18 | 32 |
| South Bend, IN-MI | 1,581 | 3,716 | 37 | 85 |
| South Lyon-Howell, MI | 1,293 | 2,190 | 29 | 47 |
| Spartanburg, SC | 3,306 | 5,577 | 73 | 120 |
| Spring Hill, FL | 1,530 | 2,322 | 34 | 49 |
| Springfield, IL | 1,669 | 2,510 | 38 | 55 |
| Springfield, MO | 5,091 | 10,702 | 116 | 231 |
| Springfield, OH | 354 | 888 | 8 | 19 |
| St. Augustine, FL | 1,004 | 2,200 | 22 | 47 |
| St. Cloud, MN | 784 | 2,054 | 17 | 44 |
| St. George, UT | 1,109 | 1,537 | 30 | 39 |
| St. Joseph, MO-KS | 526 | 1,259 | 12 | 27 |
| State College, PA | 721 | 1,282 | 16 | 27 |
| Staunton-Waynesboro, VA | 773 | 1,245 | 17 | 26 |
| Sumter, SC | 794 | 1,528 | 18 | 33 |
| Syracuse, NY | 4,847 | 7,819 | 108 | 170 |
| Tallahassee, FL | 3,337 | 7,460 | 73 | 159 |
| Temple, TX | 1,770 | 2,740 | 41 | 61 |
| Terre Haute, IN | 722 | 1,905 | 17 | 42 |
| Texarkana, TX-AR | 1,417 | 2,269 | 32 | 49 |
| Texas City, TX | 1,600 | 2,533 | 36 | 55 |
| Thousand Oaks, CA | 6,841 | 9,029 | 154 | 194 |
| Titusville, FL | 425 | 784 | 10 | 17 |
| Topeka, KS | 1,495 | 3,264 | 34 | 72 |
| Tracy, CA | 1,383 | 3,485 | 32 | 77 |

Table 9. Urban Area Excess Travel Time and Congestion Cost, Continued

| Urban Area | Annual Person-Hours of Delay (000) | | Annual Congestion Cost (2020 \$millions) | |
|--------------------------------|---------------------------------------|-------|---|------|
| | 2020 | 2019 | 2020 | 2019 |
| Trenton, NJ | 4,312 | 8,467 | 96 | 180 |
| Turlock, CA | 1,270 | 3,215 | 30 | 72 |
| Tuscaloosa, AL | 1,883 | 5,089 | 41 | 108 |
| Twin Rivers-Hightstown, NJ | 896 | 1,912 | 20 | 41 |
| Tyler, TX | 3,586 | 5,666 | 85 | 129 |
| Uniontown-Connellsville, PA | 384 | 846 | 9 | 19 |
| Utica, NY | 1,200 | 2,208 | 27 | 48 |
| Vacaville, CA | 1,129 | 2,860 | 25 | 61 |
| Valdosta, GA | 742 | 1,910 | 18 | 42 |
| Vallejo, CA | 4,118 | 8,150 | 97 | 181 |
| Victoria, TX | 1,243 | 1,972 | 29 | 43 |
| Victorville-Hesperia, CA | 2,728 | 5,764 | 65 | 133 |
| Villas, NJ | 485 | 615 | 11 | 13 |
| Vineland, NJ | 754 | 1,505 | 17 | 32 |
| Visalia, CA | 3,154 | 4,387 | 77 | 102 |
| Waco, TX | 2,728 | 5,929 | 65 | 134 |
| Waldorf, MD | 1,672 | 2,924 | 37 | 62 |
| Walla Walla, WA-OR | 267 | 726 | 6 | 16 |
| Warner Robins, GA | 1,757 | 2,619 | 39 | 57 |
| Waterbury, CT | 2,928 | 4,389 | 66 | 95 |
| Waterloo, IA | 492 | 1,328 | 11 | 28 |
| Watertown, NY | 406 | 790 | 9 | 18 |
| Watsonville, CA | 713 | 1,579 | 16 | 34 |
| Wausau, WI | 617 | 1,213 | 14 | 26 |
| Weirton-Steubenville, WV-OH-PA | 458 | 1,196 | 11 | 27 |
| Wenatchee, WA | 862 | 2,061 | 20 | 44 |
| West Bend, WI | 360 | 766 | 8 | 17 |
| Westminster-Eldersburg, MD | 671 | 1,673 | 15 | 37 |
| Wheeling, WV-OH | 1,553 | 2,133 | 37 | 49 |
| Wichita Falls, TX | 1,058 | 1,922 | 24 | 41 |
| Williamsburg, VA | 1,246 | 1,911 | 27 | 40 |
| Williamsport, PA | 574 | 1,054 | 13 | 23 |
| Wilmington, NC | 3,223 | 7,113 | 71 | 150 |
| Winchester, VA | 1,827 | 2,610 | 41 | 57 |
| Winter Haven, FL | 2,053 | 4,254 | 47 | 94 |
| Woodland, CA | 617 | 943 | 14 | 21 |
| Yakima, WA | 1,117 | 2,961 | 26 | 66 |
| Yauco, PR | 240 | 528 | 6 | 13 |
| York, PA | 3,040 | 5,225 | 70 | 115 |
| Youngstown, OH-PA | 3,420 | 6,885 | 78 | 153 |
| Yuba City, CA | 940 | 2,573 | 22 | 58 |
| Yuma, AZ-CA | 1,015 | 2,689 | 23 | 59 |
| Zephyrhills, FL | 926 | 1,305 | 21 | 29 |

A dash indicates the value rounds to zero.

Yearly Delay—Extra travel time during the year.

Yearly Delay per Auto Commuter—Extra travel time during the year divided by the number of people who commute in private vehicles in the urban area.

Congestion Cost—The value of 2020 travel time delay (estimated at \$20.17 per hour of person travel and \$55.24 per hour of truck time) and excess fuel consumption (estimated using the state average cost per gallon for gasoline and diesel).



2021

Urban Mobility REPORT



Texas A&M Transportation Institute
The Texas A&M University System

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