

# Congestion Costs the Economy

ATRI research findings:



**\$74.5 billion**

Annual cost to the trucking industry as a result of congestion on the nation's highways



**1.2 billion**

Lost hours of trucking industry productivity due to congestion



**425,533**

Equivalent number of truck drivers sitting idle for an entire year



## Congestion Getting Worse

ATRI's analysis, which utilized data from 2019, found that the number of locations experiencing significant congestion – with average daily speeds of 45 MPH or less – has increased 92 percent in just five years, far outpacing the 10 percent growth in traffic congestion for that same time period.

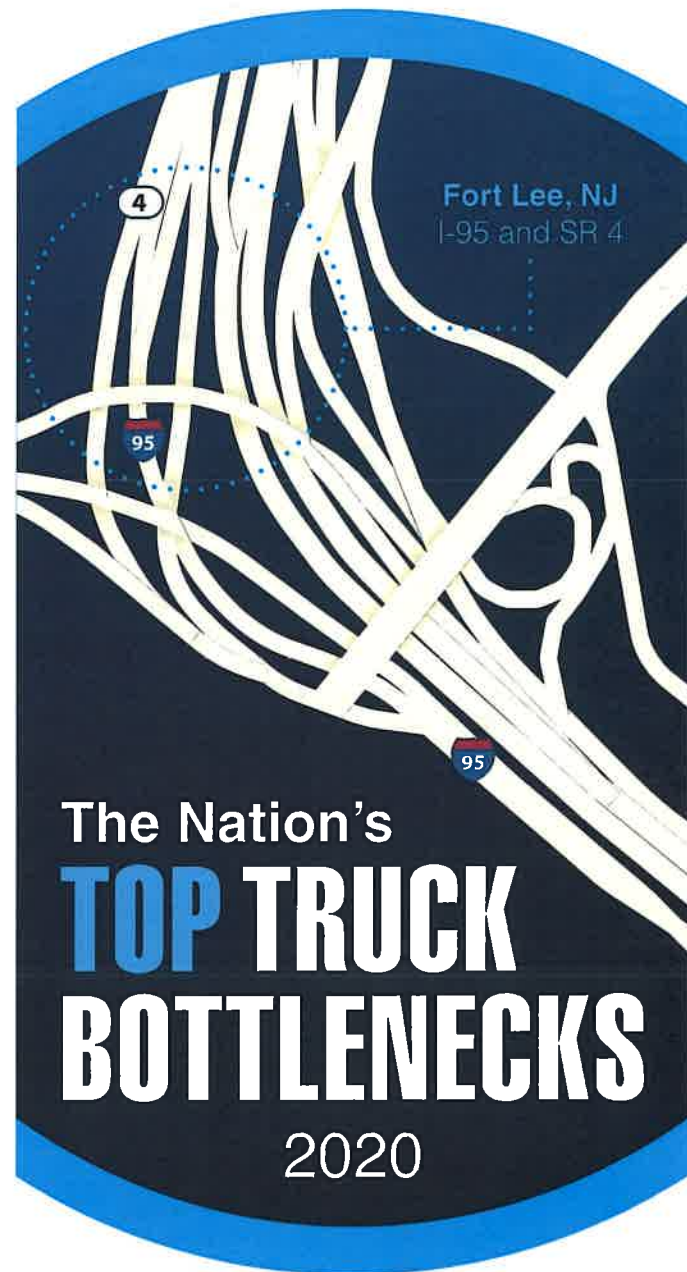
## States with Most Bottlenecks

|                 |    |                   |   |
|-----------------|----|-------------------|---|
| Texas.....      | 11 | Pennsylvania..... | 6 |
| California..... | 7  | Tennessee.....    | 6 |
| Georgia.....    | 7  | Washington.....   | 6 |
| New York.....   | 7  | Minnesota.....    | 5 |



To view the top 100 list of truck bottlenecks along with detailed profiles for each location, please visit ATRI's website:

[TruckingResearch.org](http://TruckingResearch.org)



The Nation's  
**TOP TRUCK BOTTLENECKS**  
2020



## WHAT:

Since 2002, the American Transportation Research Institute (ATRI) has collected and processed truck GPS data in support of numerous U.S. DOT freight mobility initiatives. Using truck GPS data from more than 1 million trucks, ATRI develops and monitors a series of key performance measures on the nation's freight transportation system. Among many GPS analyses, ATRI now converts its truck GPS dataset into an ongoing analysis that is used to quantify the impact of traffic congestion on truck-borne freight at 300 specific locations.

## WHY:

ATRI's annual truck bottleneck analysis empowers policy and investment decision-making in the private and public sectors by providing stakeholders with a better understanding of the severity of congestion and mobility constraints on the U.S. highway transportation system. The bottleneck analysis can also be used to determine how a new federal infrastructure program can best be implemented.

## APPROACH:

This bottleneck analysis incorporates and synthesizes several unique components, including a massive database of truck GPS data, a sophisticated IT processing system, and algorithms that quantify the impact of congestion on truck-borne freight.

## OUTCOMES:

The redesign and rebuild of the Jane Byrne Interchange in Chicago was driven by its ranking as the nation's #1 bottleneck for three consecutive years. The Illinois Department of Transportation estimates that the \$713 million project will be completed in 2022. According to estimates from the Chicago Metropolitan Agency for Planning (CMAP), 36 percent of freight truck traffic in the Chicago region passes through this area.



For more information on ATRI's truck bottleneck analysis methodology and detailed location profiles, visit ATRI's website: [TruckingResearch.org](http://TruckingResearch.org)

## Top 100 List

|    |                            |                           |     |                            |                            |
|----|----------------------------|---------------------------|-----|----------------------------|----------------------------|
| 1  | Fort Lee, NJ               | I-95 at SR 4              | 51  | Chattanooga, TN            | I-24 at US 27              |
| 2  | Atlanta, GA                | I-285 at I-85 (North)     | 52  | Philadelphia, PA           | I-76 at US 1               |
| 3  | Nashville, TN              | I-24/I-40 at I-440 (East) | 53  | Houston, TX                | I-610 at US 290            |
| 4  | Houston, TX                | I-45 at I-69/US 59        | 54  | Kansas City, MO            | I-70 at I-670 at US 71     |
| 5  | Atlanta, GA                | I-75 at I-285 (North)     | 55  | Houston, TX                | I-10 at I-610 (East )      |
| 6  | Chicago, IL                | I-290 at I-90/I-94        | 56  | Charlotte, NC              | I-85 at I-485 (West)       |
| 7  | Atlanta, GA                | I-20 at I-285 (West)      | 57  | Charlotte, NC              | I-77 at I-485 (South)      |
| 8  | Cincinnati, OH             | I-71 at I-75              | 58  | Bronx, NY                  | I-678                      |
| 9  | Los Angeles, CA            | SR 60 at SR 57            | 59  | Detroit, MI                | I-94 at I-75               |
| 10 | Los Angeles, CA            | I-710 at I-105            | 60  | Auburn, WA                 | SR 18 at SR 167            |
| 11 | Hartford, CT               | I-84 at I-91              | 61  | Minneapolis - St. Paul, MN | I-35E at I-94              |
| 12 | San Bernardino, CA         | I-10 at I-15              | 62  | McDonough, GA              | I-75                       |
| 13 | Rye, NY                    | I-95 at I-287             | 63  | Los Angeles, CA            | I-110 at I-105             |
| 14 | Houston, TX                | I-10 at I-45              | 64  | Boston, MA                 | I-95 at I-90               |
| 15 | Denver, CO                 | I-70 Central Project      | 65  | Philadelphia, PA           | I-476 at I-95              |
| 16 | Austin, TX                 | I-35                      | 66  | Milwaukee, WI              | I-94/I-794 at I-43         |
| 17 | Houston, TX                | I-45 at I-610 (North)     | 67  | Cincinnati, OH             | I-75 at I-74               |
| 18 | Dallas, TX                 | I-45 at I-30              | 68  | Denver, CO                 | I-25 at I-76               |
| 19 | Portland, OR               | I-5 at I-84               | 69  | Phoenix, AZ                | I-10 at US 60              |
| 20 | Indianapolis, IN           | I-65 at I-70 (North)      | 70  | Piscataway, NJ             | I-287                      |
| 21 | Denver, CO                 | I-70 at I-25              | 71  | Atlanta, GA                | I-75 at I-85               |
| 22 | Nashville, TN              | I-40 at I-65 (East)       | 72  | Washington, DC             | I-95 at I-495 (North)      |
| 23 | Houston, TX                | I-10 at I-610 (West)      | 73  | Houston, TX                | I-610 at I-69/US 59 (West) |
| 24 | Atlanta, GA                | I-20 at I-285 (East)      | 74  | Nashville, TN              | I-65 at I-24               |
| 25 | Greenville, SC             | I-85 at I-385             | 75  | Oakland, CA                | I-80 at I-580/I-880        |
| 26 | Chicago, IL                | I-90 at I-94 (North)      | 76  | Seattle, WA                | I-90 at I-405              |
| 27 | Baton Rouge, LA            | I-10 at I-110             | 77  | Minneapolis - St. Paul, MN | I-35W at I-694             |
| 28 | Chicago, IL                | I-90 at I-94 (South)      | 78  | Pittsburgh, PA             | I-70 at I-79 (East)        |
| 29 | Queens, NY                 | I-495                     | 79  | Elmsford, NY               | I-287 at I-87              |
| 30 | Phoenix, AZ                | I-17 at I-10              | 80  | Baltimore, MD              | I-95 at I-395              |
| 31 | Brooklyn, NY               | I-278 at Belt Parkway     | 81  | Nyack, NY                  | I-287                      |
| 32 | Chattanooga, TN            | I-75 at I-24              | 82  | Philadelphia, PA           | I-76 at I-476              |
| 33 | St. Louis, MO              | I-64/I-55 at I-44         | 83  | Manhasset, NY              | I-495 at Shelter Rock Road |
| 34 | Vancouver, WA              | I-5 at Columbia River     | 84  | Boston, MA                 | I-95 at I-93 (North)       |
| 35 | Tacoma, WA                 | I-5 at I-705/SR 16        | 85  | Minneapolis - St. Paul, MN | I-94 at US 52              |
| 36 | Oakland, CA                | I-880 at I-238            | 86  | Boston, MA                 | I-93 at SR 3               |
| 37 | Stamford, CT               | I-95                      | 87  | Cincinnati, OH             | I-75/I-71 at I-275         |
| 38 | Providence, RI             | I-95 at I-195             | 88  | Portland, OR               | I-5 at I-205 (South)       |
| 39 | Federal Way, WA            | SR 18 at I-5              | 89  | Baltimore, MD              | I-695 at I-83              |
| 40 | Minneapolis - St. Paul, MN | I-35W at I-494            | 90  | Ft. Worth, TX              | I-35W at I-30              |
| 41 | Corona, CA                 | I-15 at SR 91             | 91  | Tampa, FL                  | I-4 at I-275               |
| 42 | Indianapolis, IN           | I-65 at I-70 (South)      | 92  | Charleston, SC             | I-26 at I-526              |
| 43 | Dallas, TX                 | US 75 at I-635            | 93  | Indianapolis, IN           | I-465 at I-69              |
| 44 | Seattle, WA                | I-5 at I-90               | 94  | Nashville, TN              | I-65 at I-440              |
| 45 | Philadelphia, PA           | I-76 at I-676             | 95  | Minneapolis - St. Paul, MN | I-35W at I-94              |
| 46 | Chicago, IL                | I-80 at I-94              | 96  | Charlotte, NC              | I-77 near Lake Norman      |
| 47 | Gary, IN                   | I-65 at I-80              | 97  | Columbus, OH               | I-71 at I-70               |
| 48 | Atlanta, GA                | I-20 at I-75/I-85         | 98  | Harrisburg, PA             | SR 581 at I-83             |
| 49 | Norwalk, CT                | I-95                      | 99  | Washington, DC             | I-495 at I-66              |
| 50 | Baltimore, MD              | I-695 at I-70             | 100 | Baltimore, MD              | I-95 at I-695 (South)      |