

**2017 structurally deficient bridges, ranked by total number of deficient bridges**

| 2017 Rank    | 2016 Rank | 2015 Rank | 2014 Rank | 2013 Rank | State                | 2017              |  |  | 2016                                     | % change in number of structurally deficient bridges 2016-2017 |
|--------------|-----------|-----------|-----------|-----------|----------------------|-------------------|--|--|--|--|
|              |           |           |           |           |                      | number of bridges | number of structurally deficient bridges | structurally deficient bridges as % of total inventory | number of structurally deficient bridges |  |
| 1            | 1         | 1         | 2         | 2         | Iowa                 | 24,215            | 5,067                                    | 20.9%  | 4,968                                    | 2.0%   |
| 2            | 2         | 2         | 1         | 1         | Pennsylvania         | 22,779            | 4,173                                    | 18.3%  | 4,506                                    | -7.4%  |
| 3            | 3         | 3         | 3         | 3         | Oklahoma             | 23,071            | 3,234                                    | 14.0%  | 3,460                                    | -6.5%  |
| 4            | 4         | 4         | 4         | 4         | Missouri             | 24,487            | 3,086                                    | 12.6%  | 3,195                                    | -3.4%  |
| 5            | 6         | 7         | 9         | 9         | Illinois             | 26,775            | 2,303                                    | 8.6%   | 2,243                                    | 2.7%   |
| 6            | 5         | 5         | 5         | 6         | Nebraska             | 15,330            | 2,258                                    | 14.7%  | 2,361                                    | -4.4%  |
| 7            | 7         | 6         | 7         | 7         | Kansas               | 25,001            | 2,115                                    | 8.5%   | 2,151                                    | -1.7%  |
| 8            | 8         | 8         | 8         | 10        | Mississippi          | 17,072            | 2,008                                    | 11.8%  | 2,098                                    | -4.3%  |
| 9            | 11        | 9         | 10        | 8         | North Carolina       | 18,183            | 1,854                                    | 10.2%  | 1,790                                    | 3.6%   |
| 10           | 10        | 11        | 12        | 12        | New York             | 17,456            | 1,837                                    | 10.5%  | 1,928                                    | -4.7%  |
| 11           | 12        | 13        | 14        | 14        | Louisiana            | 12,910            | 1,821                                    | 14.1%  | 1,739                                    | 4.7%   |
| 12           | 9         | 12        | 11        | 11        | Ohio                 | 27,345            | 1,653                                    | 6.0%   | 1,942                                    | -14.9%   |
| 13           | 14        | 10        | 6         | 5         | California           | 25,657            | 1,603                                    | 6.2%   | 1,388                                    | 15.5%  |
| 14           | 13        | 14        | 13        | 13        | Indiana              | 19,291            | 1,435                                    | 7.4%   | 1,533                                    | -6.4%  |
| 15           | 15        | 20        | 24        | 25        | West Virginia        | 7,228             | 1,372                                    | 19.0%  | 1,247                                    | 10.0%  |
| 16           | 17        | 17        | 17        | 20        | Wisconsin            | 14,253            | 1,245                                    | 8.7%   | 1,232                                    | 1.1%   |
| 17           | 18        | 15        | 15        | 15        | Alabama              | 16,129            | 1,200                                    | 7.4%   | 1,229                                    | -2.4%  |
| 18           | 16        | 16        | 16        | 16        | Michigan             | 11,180            | 1,175                                    | 10.5%  | 1,234                                    | -4.8%  |
| 19           | 19        | 18        | 18        | 18        | Kentucky             | 14,280            | 1,110                                    | 7.8%   | 1,157                                    | -4.1%  |
| 20           | 20        | 19        | 19        | 19        | South Dakota         | 5,818             | 1,081                                    | 18.6%  | 1,147                                    | -5.8%  |
| 21           | 21        | 22        | 22        | 22        | Tennessee            | 20,169            | 953                                      | 4.7%   | 998                                      | -4.5%  |
| 22           | 22        | 24        | 23        | 24        | South Carolina       | 9,341             | 926                                      | 9.9%   | 964                                      | -3.9%  |
| 23           | 24        | 23        | 20        | 17        | Texas                | 53,869            | 847                                      | 1.6%   | 900                                      | -5.9%  |
| 24           | 23        | 21        | 21        | 21        | Virginia             | 13,932            | 825                                      | 5.9%   | 935                                      | -11.8%   |
| 25           | 25        | 25        | 25        | 26        | Arkansas             | 12,864            | 765                                      | 5.9%   | 811                                      | -5.7%  |
| 26           | 26        | 26        | 26        | 23        | Minnesota            | 13,329            | 709                                      | 5.3%   | 800                                      | -11.4%   |
| 27           | 27        | 27        | 27        | 27        | Georgia              | 14,863            | 692                                      | 4.7%   | 700                                      | -1.1%  |
| 28           | 28        | 28        | 28        | 28        | North Dakota         | 4,377             | 614                                      | 14.0%  | 661                                      | -7.1%  |
| 29           | 29        | 29        | 29        | 29        | New Jersey           | 6,737             | 596                                      | 8.8%   | 609                                      | -2.1%  |
| 30           | 32        | 33        | 35        | 36        | Montana              | 5,302             | 515                                      | 9.7%   | 465                                      | 10.8%  |
| 31           | 30        | 30        | 30        | 30        | Colorado             | 8,717             | 488                                      | 5.6%   | 497                                      | -1.8%  |
| 32           | 31        | 31        | 31        | 31        | Massachusetts        | 5,192             | 482                                      | 9.3%   | 483                                      | -0.2%  |
| 33           | 33        | 32        | 32        | 33        | Oregon               | 8,147             | 444                                      | 5.4%   | 429                                      | 3.5%   |
| 34           | 35        | 35        | 36        | 37        | Washington           | 8,233             | 399                                      | 4.8%   | 392                                      | 1.8%   |
| 35           | 34        | 34        | 34        | 35        | Idaho                | 4,492             | 393                                      | 8.7%   | 411                                      | -4.4%  |
| 36           | 38        | 38        | 37        | 34        | Connecticut          | 4,238             | 332                                      | 7.8%   | 338                                      | -1.8%  |
| 37           | 36        | 37        | 38        | 38        | Maine                | 2,458             | 326                                      | 13.3%  | 352                                      | -7.4%  |
| 38           | 37        | 36        | 33        | 32        | Wyoming              | 3,127             | 310                                      | 9.9%   | 344                                      | -9.9%  |
| 39           | 39        | 40        | 40        | 40        | Maryland             | 5,335             | 300                                      | 5.6%   | 308                                      | -2.6%  |
| 40           | 40        | 39        | 39        | 39        | New Hampshire        | 2,479             | 270                                      | 10.9%  | 304                                      | -11.2%   |
| 41           | 42        | 42        | 43        | 42        | Florida              | 12,355            | 265                                      | 2.1%   | 256                                      | 3.5%   |
| 42           | 41        | 41        | 41        | 41        | New Mexico           | 3,999             | 251                                      | 6.3%   | 258                                      | -2.7%  |
| 43           | 43        | 43        | 42        | 44        | Arizona              | 8,289             | 205                                      | 2.5%   | 214                                      | -4.2%  |
| 44           | 44        | 45        | 45        | 45        | Rhode Island         | 778               | 181                                      | 23.3%  | 192                                      | -5.7%  |
| 45           | 46        | 46        | 46        | 47        | Alaska               | 1,569             | 165                                      | 10.5%  | 144                                      | 14.6%  |
| 46           | 45        | 44        | 44        | 43        | Vermont              | 2,772             | 145                                      | 5.2%   | 155                                      | -6.5%  |
| 47           | 47        | 47        | 47        | 48        | Utah                 | 3,051             | 87                                       | 2.9%   | 95                                       | -8.4%  |
| 48           | 48        | 48        | 48        | 46        | Hawaii               | 1,135             | 66                                       | 5.8%   | 64                                       | 3.1%   |
| 49           | 49        | 49        | 49        | 49        | Delaware             | 879               | 39                                       | 4.4%   | 43                                       | -9.3%  |
| 50           | 50        | 50        | 50        | 50        | Nevada               | 1,944             | 31                                       | 1.6%   | 31                                       | 0.0%   |
| 51           | 51        | 51        | 51        | 51        | District of Columbia | 245               | 8  | 3.3%   | 9  | -11.1%   |
| <b>TOTAL</b> |           |           |           |           |                      | <b>612,677</b>    | <b>54,259</b>                            | <b>8.9%</b>  | <b>55,710</b>                            | <b>-2.6%</b>   |

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## 2017 structurally deficient bridges, ranked by deficient bridges as % of inventory

| 2017 Rank | 2016 Rank | 2015 Rank | 2014 Rank | 2013 Rank | State                | 2017              |  |  | 2016   |
|-----------|-----------|-----------|-----------|-----------|----------------------|-------------------|--|--|--|
|           |           |           |           |           |                      | number of bridges | number of structurally deficient bridges | structurally deficient bridges as % of total inventory | structurally deficient bridges as % of total inventory |
| 1         | 1         | 1         | 1         | 2         | Rhode Island         | 778               | 181                                      | 23.3%  | 24.9%  |
| 2         | 2         | 3         | 3         | 3         | Iowa                 | 24,215            | 5,067                                    | 20.9%  | 20.5%  |
| 3         | 5         | 8         | 12        | 14        | West Virginia        | 7,228             | 1,372                                    | 19.0%  | 17.3%  |
| 4         | 4         | 4         | 4         | 4         | South Dakota         | 5,818             | 1,081                                    | 18.6%  | 19.6%  |
| 5         | 3         | 2         | 2         | 1         | Pennsylvania         | 22,779            | 4,173                                    | 18.3%  | 19.8%  |
| 6         | 6         | 6         | 6         | 6         | Nebraska             | 15,330            | 2,258                                    | 14.7%  | 15.4%  |
| 7         | 10        | 10        | 9         | 11        | Louisiana            | 12,910            | 1,821                                    | 14.1%  | 13.5%  |
| 8         | 7         | 7         | 7         | 7         | North Dakota         | 4,377             | 614                                      | 14.0%  | 15.0%  |
| 9         | 8         | 5         | 5         | 5         | Oklahoma             | 23,071            | 3,234                                    | 14.0%  | 15.0%  |
| 10        | 9         | 9         | 8         | 8         | Maine                | 2,458             | 326                                      | 13.3%  | 14.4%  |
| 11        | 11        | 11        | 10        | 12        | Missouri             | 24,487            | 3,086                                    | 12.6%  | 13.1%  |
| 12        | 12        | 12        | 13        | 13        | Mississippi          | 17,072            | 2,008                                    | 11.8%  | 12.3%  |
| 13        | 13        | 13        | 14        | 9         | New Hampshire        | 2,479             | 270                                      | 10.9%  | 12.2%  |
| 14        | 15        | 17        | 17        | 17        | New York             | 17,456            | 1,837                                    | 10.5%  | 11.0%  |
| 15        | 19        | 19        | 20        | 20        | Alaska               | 1,569             | 165                                      | 10.5%  | 9.7%   |
| 16        | 14        | 15        | 16        | 18        | Michigan             | 11,180            | 1,175                                    | 10.5%  | 11.1%  |
| 17        | 18        | 16        | 15        | 16        | North Carolina       | 18,183            | 1,854                                    | 10.2%  | 9.9%   |
| 18        | 16        | 14        | 11        | 10        | Wyoming              | 3,127             | 310                                      | 9.9%   | 11.0%  |
| 19        | 17        | 18        | 18        | 19        | South Carolina       | 9,341             | 926                                      | 9.9%   | 10.3%  |
| 20        | 23        | 31        | 33        | 38        | Montana              | 5,302             | 515                                      | 9.7%   | 8.8%   |
| 21        | 20        | 23        | 26        | 27        | Massachusetts        | 5,192             | 482                                      | 9.3%   | 9.3%   |
| 22        | 22        | 24        | 23        | 26        | New Jersey           | 6,737             | 596                                      | 8.8%   | 9.0%   |
| 23        | 21        | 25        | 24        | 25        | Idaho                | 4,492             | 393                                      | 8.7%   | 9.2%   |
| 24        | 24        | 21        | 28        | 33        | Wisconsin            | 14,253            | 1,245                                    | 8.7%   | 8.7%   |
| 25        | 26        | 27        | 30        | 32        | Illinois             | 26,775            | 2,303                                    | 8.6%   | 8.4%   |
| 26        | 25        | 20        | 22        | 23        | Kansas               | 25,001            | 2,115                                    | 8.5%   | 8.6%   |
| 27        | 28        | 26        | 25        | 24        | Connecticut          | 4,238             | 332                                      | 7.8%   | 8.0%   |
| 28        | 27        | 29        | 29        | 29        | Kentucky             | 14,280            | 1,110                                    | 7.8%   | 8.1%   |
| 29        | 30        | 28        | 27        | 30        | Alabama              | 16,129            | 1,200                                    | 7.4%   | 7.6%   |
| 30        | 29        | 22        | 19        | 22        | Indiana              | 19,291            | 1,435                                    | 7.4%   | 8.0%   |
| 31        | 33        | 35        | 35        | 37        | New Mexico           | 3,999             | 251                                      | 6.3%   | 6.5%   |
| 32        | 40        | 30        | 21        | 21        | California           | 25,657            | 1,603                                    | 6.2%   | 5.5%   |
| 33        | 31        | 33        | 32        | 35        | Ohio                 | 27,345            | 1,653                                    | 6.0%   | 6.9%   |
| 34        | 34        | 36        | 36        | 39        | Arkansas             | 12,864            | 765                                      | 5.9%   | 6.3%   |
| 35        | 32        | 32        | 31        | 31        | Virginia             | 13,932            | 825                                      | 5.9%   | 6.7%   |
| 36        | 38        | 41        | 44        | 15        | Hawaii               | 1,135             | 66                                       | 5.8%   | 5.7%   |
| 37        | 36        | 39        | 39        | 41        | Maryland             | 5,335             | 300                                      | 5.6%   | 5.8%   |
| 38        | 37        | 38        | 38        | 42        | Colorado             | 8,717             | 488                                      | 5.6%   | 5.7%   |
| 39        | 41        | 42        | 42        | 45        | Oregon               | 8,147             | 444                                      | 5.4%   | 5.3%   |
| 40        | 35        | 37        | 37        | 36        | Minnesota            | 13,329            | 709                                      | 5.3%   | 6.0%   |
| 41        | 39        | 34        | 34        | 28        | Vermont              | 2,772             | 145                                      | 5.2%   | 5.6%   |
| 42        | 44        | 45        | 46        | 46        | Washington           | 8,233             | 399                                      | 4.8%   | 4.8%   |
| 43        | 42        | 43        | 43        | 43        | Tennessee            | 20,169            | 953                                      | 4.7%   | 5.0%   |
| 44        | 45        | 44        | 45        | 44        | Georgia              | 14,863            | 692                                      | 4.7%   | 4.7%   |
| 45        | 43        | 40        | 40        | 40        | Delaware             | 879               | 39                                       | 4.4%   | 4.9%   |
| 46        | 46        | 46        | 41        | 34        | District of Columbia | 245               | 8  | 3.3%   | 3.7%   |
| 47        | 47        | 47        | 47        | 47        | Utah                 | 3,051             | 87                                       | 2.9%   | 3.1%   |
| 48        | 48        | 48        | 48        | 48        | Arizona              | 8,289             | 205                                      | 2.5%   | 2.6%   |
| 49        | 49        | 49        | 50        | 50        | Florida              | 12,355            | 265                                      | 2.1%   | 2.1%   |
| 50        | 51        | 51        | 51        | 51        | Nevada               | 1,944             | 31                                       | 1.6%   | 1.6%   |
| 51        | 50        | 50        | 49        | 49        | Texas                | 53,869            | 847                                      | 1.6%   | 1.7%   |
|           |           |           |           |           | <b>TOTAL</b>         | <b>612,677</b>    | <b>54,259</b>                            | <b>8.9%</b>  | <b>9.1%</b>  |

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## 2017 structurally deficient bridges, by state

| 2017 Rank                                |                                  | State                | 2017              |  |  | 2016                                     |  | % change in number of structurally deficient bridges 2016-2017 |
|--|----------------------------------|----------------------|-------------------|--|--|--|--|--|
| number of structurally deficient bridges | % structurally deficient bridges |                      | number of bridges | number of structurally deficient bridges | structurally deficient bridges as % of total inventory | number of structurally deficient bridges | structurally deficient bridges as % of total inventory |  |
| 17                                       | 29                               | Alabama              | 16,129            | 1,200                                    | 7.4%   | 1,229                                    | 7.6%   | -2.4%  |
| 45                                       | 15                               | Alaska               | 1,569             | 165                                      | 10.5%  | 144                                      | 9.7%   | 14.6%  |
| 43                                       | 48                               | Arizona              | 8,289             | 205                                      | 2.5%   | 214                                      | 2.6%   | -4.2%  |
| 25                                       | 34                               | Arkansas             | 12,864            | 765                                      | 5.9%   | 811                                      | 6.3%   | -5.7%  |
| 13                                       | 32                               | California           | 25,657            | 1,603                                    | 6.2%   | 1,388                                    | 5.5%   | 15.5%  |
| 31                                       | 38                               | Colorado             | 8,717             | 488                                      | 5.6%   | 497                                      | 5.7%   | -1.8%  |
| 36                                       | 27                               | Connecticut          | 4,238             | 332                                      | 7.8%   | 338                                      | 8.0%   | -1.8%  |
| 49                                       | 45                               | Delaware             | 879               | 39                                       | 4.4%   | 43                                       | 4.9%   | -9.3%  |
| 51                                       | 46                               | District of Columbia | 245               | 8  | 3.3%   | 9  | 3.7%   | -11.1%   |
| 41                                       | 49                               | Florida              | 12,355            | 265                                      | 2.1%   | 256                                      | 2.1%   | 3.5%   |
| 27                                       | 44                               | Georgia              | 14,863            | 692                                      | 4.7%   | 700                                      | 4.7%   | -1.1%  |
| 48                                       | 36                               | Hawaii               | 1,135             | 66                                       | 5.8%   | 64                                       | 5.7%   | 3.1%   |
| 35                                       | 23                               | Idaho                | 4,492             | 393                                      | 8.7%   | 411                                      | 9.2%   | -4.4%  |
| 5  | 25                               | Illinois             | 26,775            | 2,303                                    | 8.6%   | 2,243                                    | 8.4%   | 2.7%   |
| 14                                       | 30                               | Indiana              | 19,291            | 1,435                                    | 7.4%   | 1,533                                    | 8.0%   | -6.4%  |
| 1  | 2                                | Iowa                 | 24,215            | 5,067                                    | 20.9%  | 4,968                                    | 20.5%  | 2.0%   |
| 7  | 26                               | Kansas               | 25,001            | 2,115                                    | 8.5%   | 2,151                                    | 8.6%   | -1.7%  |
| 19                                       | 28                               | Kentucky             | 14,280            | 1,110                                    | 7.8%   | 1,157                                    | 8.1%   | -4.1%  |
| 11                                       | 7                                | Louisiana            | 12,910            | 1,821                                    | 14.1%  | 1,739                                    | 13.5%  | 4.7%   |
| 37                                       | 10                               | Maine                | 2,458             | 326                                      | 13.3%  | 352                                      | 14.4%  | -7.4%  |
| 39                                       | 37                               | Maryland             | 5,335             | 300                                      | 5.6%   | 308                                      | 5.8%   | -2.6%  |
| 32                                       | 21                               | Massachusetts        | 5,192             | 482                                      | 9.3%   | 483                                      | 9.3%   | -0.2%  |
| 18                                       | 16                               | Michigan             | 11,180            | 1,175                                    | 10.5%  | 1,234                                    | 11.1%  | -4.8%  |
| 26                                       | 40                               | Minnesota            | 13,329            | 709                                      | 5.3%   | 800                                      | 6.0%   | -11.4%   |
| 8  | 12                               | Mississippi          | 17,072            | 2,008                                    | 11.8%  | 2,098                                    | 12.3%  | -4.3%  |
| 4  | 11                               | Missouri             | 24,487            | 3,086                                    | 12.6%  | 3,195                                    | 13.1%  | -3.4%  |
| 30                                       | 20                               | Montana              | 5,302             | 515                                      | 9.7%   | 465                                      | 8.8%   | 10.8%  |
| 6  | 6                                | Nebraska             | 15,330            | 2,258                                    | 14.7%  | 2,361                                    | 15.4%  | -4.4%  |
| 50                                       | 50                               | Nevada               | 1,944             | 31                                       | 1.6%   | 31                                       | 1.6%   | 0.0%   |
| 40                                       | 13                               | New Hampshire        | 2,479             | 270                                      | 10.9%  | 304                                      | 12.2%  | -11.2%   |
| 29                                       | 22                               | New Jersey           | 6,737             | 596                                      | 8.8%   | 609                                      | 9.0%   | -2.1%  |
| 42                                       | 31                               | New Mexico           | 3,999             | 251                                      | 6.3%   | 258                                      | 6.5%   | -2.7%  |
| 10                                       | 14                               | New York             | 17,456            | 1,837                                    | 10.5%  | 1,928                                    | 11.0%  | -4.7%  |
| 9  | 17                               | North Carolina       | 18,183            | 1,854                                    | 10.2%  | 1,790                                    | 9.9%   | 3.6%   |
| 28                                       | 8                                | North Dakota         | 4,377             | 614                                      | 14.0%  | 661                                      | 15.0%  | -7.1%  |
| 12                                       | 33                               | Ohio                 | 27,345            | 1,653                                    | 6.0%   | 1,942                                    | 6.9%   | -14.9%   |
| 3  | 9                                | Oklahoma             | 23,071            | 3,234                                    | 14.0%  | 3,460                                    | 15.0%  | -6.5%  |
| 33                                       | 39                               | Oregon               | 8,147             | 444                                      | 5.4%   | 429                                      | 5.3%   | 3.5%   |
| 2  | 5                                | Pennsylvania         | 22,779            | 4,173                                    | 18.3%  | 4,506                                    | 19.8%  | -7.4%  |
| 44                                       | 1                                | Rhode Island         | 778               | 181                                      | 23.3%  | 192                                      | 24.9%  | -5.7%  |
| 22                                       | 19                               | South Carolina       | 9,341             | 926                                      | 9.9%   | 964                                      | 10.3%  | -3.9%  |
| 20                                       | 4                                | South Dakota         | 5,818             | 1,081                                    | 18.6%  | 1,147                                    | 19.6%  | -5.8%  |
| 21                                       | 43                               | Tennessee            | 20,169            | 953                                      | 4.7%   | 998                                      | 5.0%   | -4.5%  |
| 23                                       | 51                               | Texas                | 53,869            | 847                                      | 1.6%   | 900                                      | 1.7%   | -5.9%  |
| 47                                       | 47                               | Utah                 | 3,051             | 87                                       | 2.9%   | 95                                       | 3.1%   | -8.4%  |
| 46                                       | 41                               | Vermont              | 2,772             | 145                                      | 5.2%   | 155                                      | 5.6%   | -6.5%  |
| 24                                       | 35                               | Virginia             | 13,932            | 825                                      | 5.9%   | 935                                      | 6.7%   | -11.8%   |
| 34                                       | 42                               | Washington           | 8,233             | 399                                      | 4.8%   | 392                                      | 4.8%   | 1.8%   |
| 15                                       | 3                                | West Virginia        | 7,228             | 1,372                                    | 19.0%  | 1,247                                    | 17.3%  | 10.0%  |
| 16                                       | 24                               | Wisconsin            | 14,253            | 1,245                                    | 8.7%   | 1,232                                    | 8.7%   | 1.1%   |
| 38                                       | 18                               | Wyoming              | 3,127             | 310                                      | 9.9%   | 344                                      | 11.0%  | -9.9%  |
|  |                                  | <b>TOTAL</b>         | <b>612,677</b>    | <b>54,259</b>                            | <b>8.9%</b>  | <b>55,710</b>                            | <b>9.1%</b>  | <b>-2.6%</b>   |

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