

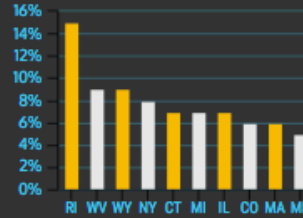
# Roads? Where we're going, We need roads.

In 2013, the American Society of Civil Engineers gave the U.S. a grade of D on its roads. A 2016 report by transportation research nonprofit TRIP shows that the backlog of needed improvements on the 47,662-mile U.S. Interstate Highway System is \$189 billion. However, the report also states that U.S. officials only spent 61 percent of what was needed for improvements. Here's how the numbers play out, federally and by state:

## \$30 billion needed to improve bridges

These states have the highest percentage of structurally deficient bridges:

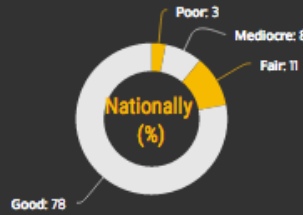
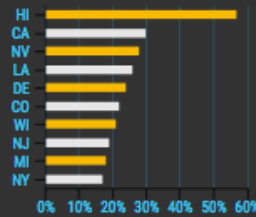
The U.S. Interstate system has **56,448 bridges**. Of these, 1,693 or 3 percent are **structurally deficient**, while 10,161 or 18 percent are **functionally obsolete**.



The Federal Highway Administration defines a structurally deficient bridge as one that requires immediate rehabilitation to remain open, can only carry lighter weight vehicles, or are closed. A functionally obsolete bridge is one that doesn't meet current design standards.

## \$59 billion needed to improve pavement

These states have the greatest share of Interstate pavement in poor or mediocre condition:



## \$100 billion needed to expand & enhance highways

These states have the greatest percentages of their urban Interstates that are congested:

**43%** or 8,020 of the U.S. Interstate system's 18,567 miles are considered congested.

Travel on Interstates is increasing at a rate of more than double the rate that new lane capacity is being added.

Between 2000 and 2014, Interstate vehicle travel increased by 14 percent while Interstate lane miles increased by 6 percent.



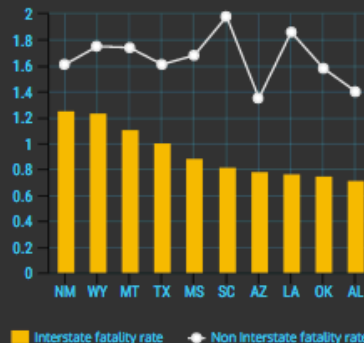
## ... but infrastructure is a two-way street ...

These states had the greatest rates of fatalities in 2014 (per 100 million vehicle miles). But ...

The report estimates that the U.S. Interstate Highway System saved

**5,359 lives**

in 2014, and that only 12% of traffic fatalities occurred on a highway.



Sources: American Society of Civil Engineers 2013 Report Card for America's Infrastructure TRIP, "The Interstate Highway System turns 50: Challenges to its Ability to Continue to Save Lives, Time and Money (2014)"

Graphic by Jason Ashford | American City & County