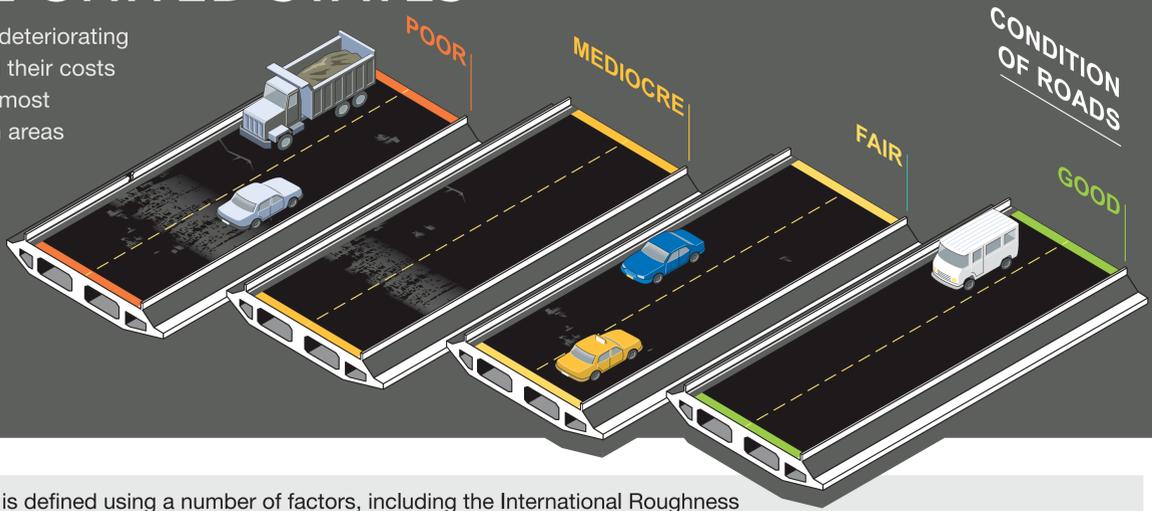


# CITIES WITH THE WORST-MAINTAINED ROADS IN THE UNITED STATES

A closer look at deteriorating urban roads and their costs to drivers in the most populated urban areas in the United States.\*

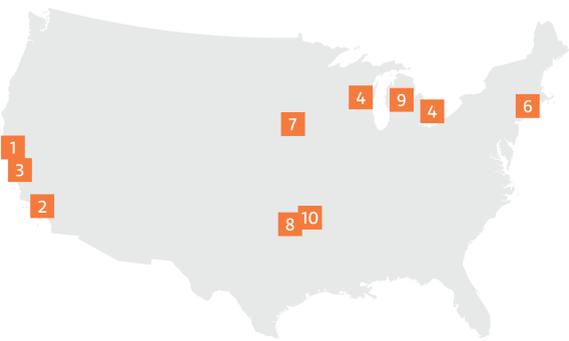


Road condition is defined using a number of factors, including the International Roughness Index (IRI), which is a pavement smoothness measurement index calculated annually by the Federal Highway Administration, and the Present Serviceability Rating (PSR), a pavement condition rating also determined by the Federal Highway Administration.

Pavement conditions may be rated as:

- Poor:** Extremely deteriorated roadways, may only be passable at reduced speeds; deep cracks, large potholes, and other signs of distress cover 50-75% of the roadway
- Mediocre:** Noticeably inferior both in ride quality and appearance; distress and defects are obvious
- Fair:** Mostly smooth ride, few signs of distress, some cracks and patches, small potholes visible
- Good:** New or nearly new roadways, smooth ride, distress-free, minimal cracks and patches

## Top 10 Urban Areas With the Highest Percentage of Poor Roads



1	San Francisco-Oakland, CA	71%
2	Los Angeles, CA	60%
3	San Jose, CA	59%
4	Detroit, MI	56%
4	Milwaukee, WI	56%
6	Bridgeport-Stamford, CT	55%
7	Omaha, NE-IA	54%
8	Oklahoma City, OK	53%
9	Grand Rapids, MI	52%
10	Tulsa, OK	49%

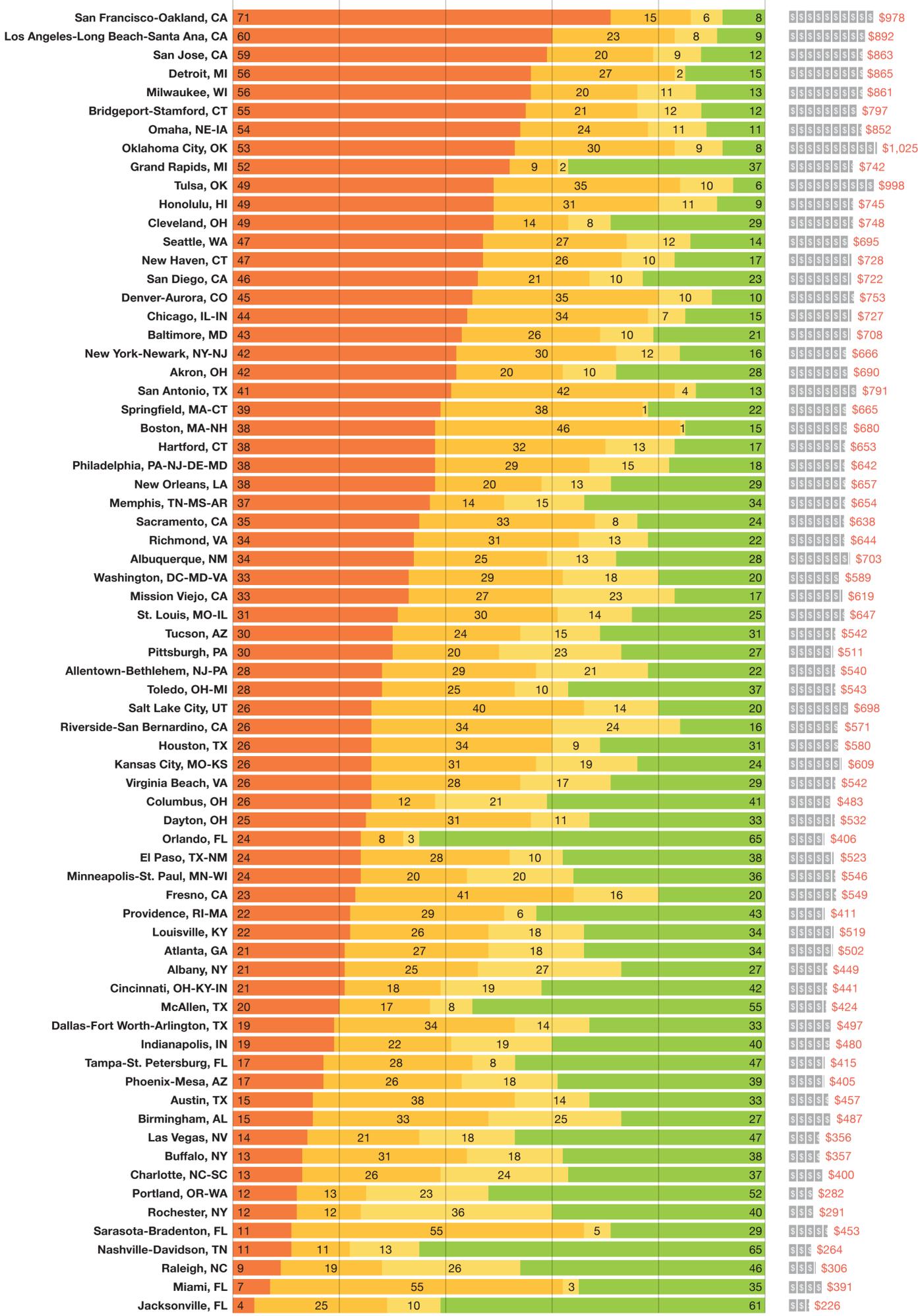
## Top 10 Urban Areas With the Highest Percentage of Good Roads



1	Nashville-Davidson, TN	65%
1	Orlando, FL	65%
3	Jacksonville, FL	61%
4	McAllen, TX	55%
5	Portland, OR-WA	52%
6	Las Vegas, NV	47%
6	Tampa-St. Petersburg, FL	47%
8	Raleigh, NC	46%
9	Providence, RI-MA	43%
10	Cincinnati, OH-KY-IN	42%

Road condition 0 20% 40% 60% 80% 100%

Average additional vehicle maintenance and repair costs per driver due to road conditions.



## Top 10 Urban Areas With the Highest Additional Vehicle Maintenance Costs\*

1	Oklahoma City, OK	\$1,025
2	Tulsa, OK	\$998
3	San Francisco-Oakland, CA	\$978
4	Los Angeles-Long Beach-Santa Ana, CA	\$892
5	Detroit, MI	\$865
6	San Jose, CA	\$863
7	Milwaukee, WI	\$861
8	Omaha, NE-IA	\$852
9	Bridgeport-Stamford, CT	\$797
10	San Antonio, TX	\$791

## Top 10 Urban Areas With the Lowest Additional Vehicle Maintenance Costs\*

1	Jacksonville, FL	\$226
2	Nashville-Davidson, TN	\$264
3	Portland, OR-WA	\$282
4	Rochester, NY	\$291
5	Raleigh, NC	\$306
6	Las Vegas, NV	\$356
7	Buffalo, NY	\$357
8	Miami, FL	\$391
9	Charlotte, NC-SC	\$400
10	Phoenix-Mesa, AZ	\$405

\*Additional vehicle maintenance costs is defined as the average increased cost to maintain a vehicle due to poor road conditions per motorist.

\*\* An urban area includes the major city in a region and its neighboring or surrounding suburban areas.

Sources:

- [http://tripnet.org/docs/Urban\\_Roads\\_National\\_TRIP\\_News\\_Release\\_11-01-2016.php](http://tripnet.org/docs/Urban_Roads_National_TRIP_News_Release_11-01-2016.php)
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