

Changing a Speed Limit

Have you ever wondered how speed limits are determined and who sets them? Does lowering speed limits slow down traffic? How do you get one changed? Would changing a speed limit solve a problem? This brochure will help answer some of these questions.

What Speed Limits Do

Speed limits are established to reflect the reasonable speed of the majority of drivers on a particular roadway. Most drivers naturally select a comfortable speed, not too slow or not too fast, but one that will get them where they want to go safely and without undue delay.

Speed limits are posted primarily to inform motorists of the speed considered reasonable by a majority of drivers on a particular roadway. Motorists, especially those unfamiliar with the road, can use this information to evaluate how they should drive on a particular road. A safer driving environment is established when motorists drive at the same speed.

Setting Speed Limits

The state law setting maximum speed limits based on type of highway was repealed in 2016 and the new law requires speed limits on state highways be based on engineering studies. Certain speed restrictions apply to motor scooters, mopeds, gopeds, and other motorized or electric devices, school buses, work zones, and school zones.

How are speed limits set? City governments and the Oklahoma Department of Transportation (ODOT) must conduct engineering studies in accordance with traffic engineering practices as stated in the Manual of Uniform Traffic Control Devices (MUTCD) adopted by the Oklahoma Transportation Commission.

Speed limits on all highways are approved by the Commission. When inside city limits, the speed limits must have city concurrence. Citizen requests for speed zone studies on highways should be made to the local ODOT division office with jurisdiction over the roadway.

ODOT only has jurisdiction over setting speed limits on the state highway system. Questions about speed limits on city streets or county roads should be directed to the transportation departments of those local governments.

Speed Zone Studies

Speed limits on Oklahoma highways are set by the 85th percentile method, which represents the speed the majority of drivers will be traveling at or below. This is a sound engineering principle used to set speed limits on highways nationwide for the past 60 years.

Speed checks are conducted to determine the 85th percentile speed. The observed free-flowing speed for vehicles is tallied and the 85th percentile speed is calculated using gathered information. To ensure a true reflection of a normal traffic situation, speed studies are made on weekdays during off peak hours under favorable weather conditions.

Other data collected typically shows roadway features such as curves, surface width and type, right of way width, crash history, cross streets, school crossings and sites that generate traffic.

The speed limit is normally set at the nearest value to the 85th percentile speed ending in a 5 or 0. In rare situations, the posted speed limit may be lowered a small amount below the 85th percentile speed if some of the following conditions are present:

- Narrow pavement width
- Curves and hills
- Hidden street returns
- High number of driveways
- Lack of improved shoulders
- High crash ranking

Once the study is completed, black-on-white speed limit signs are posted along the highway to alert drivers of the maximum legal speed for that section of roadway.



Can a Speed Limit Be Too Low?

There are disadvantages to setting speed limits far below the 85th percentile speed. If reasonable drivers see an unreasonably low speed limit without seeing a need to drive that slowly, they tend to ignore the signs and develop disrespect for speed limits in general.

When a speed limit is set below the 85th percentile; law enforcement officials must deal with reasonable people being ticketed for exceeding the posted limit, as well as motorists who drive too fast.

Safety is the Primary Concern

Most traffic problems are not simple and do not have simple solutions. Requests for lower speed limits are sometimes made with the admirable motive to “quick fix” a particular problem. However, rarely does a single traffic control tool solve all the traffic problems in a community.

Research has shown that speed limits set below the reasonable speed of most drivers do not significantly reduce the number of crashes on a road. In fact, crashes may increase with unreasonably low speed limits.

ODOT's goal has always been to set speed limits that maximize safety and are respected and obeyed by motorists. By using sound engineering principles, we can provide a balanced transportation system that gets motorists to their destination as safely and as quickly as possible.

Who are We?

ODOT is responsible for building and maintaining the state transportation system. We have no authority to cite vehicle violations of any kind. That jurisdiction falls under the Oklahoma Department of Public Safety and local authorities.

Other Actions:

In addition to setting reasonable speed limits based on accepted engineering principles, ODOT uses a variety of traffic control devices to improve safety. These include the use of traffic signals, flashing beacons to alert motorists, pavement markings, and signs to advise drivers of reduced speed limits ahead.

Please remember that observing speed limits means more than driving faster or slower than the posted speed. ***It means driving to conditions.*** When it's raining or foggy, when ice is on the road, when traffic is heavy, when the road is hilly or curvy, or when construction is ahead, adjust your speed accordingly.

For More Information

To learn more about ODOT and how speed limits are set, contact your local division office.

Division	Phone	Location
Division 1	(918) 687-5407	2800 S. 32nd St. Muskogee
Division 2	(580) 298-3371	US-271 South Antlers
Division 3	(580) 332-1526	12844 SH-3W Ada
Division 4	(580) 336-7340	2609 US-77W Perry
Division 5	(580) 323-1431	1745 S. US-183 Clinton
Division 6	(580) 735-2561	US-64 West Buffalo
Division 7	(580) 255-7586	2205 S. US-81Bypass Duncan
Division 8	(918) 838-9933	4002 N. Mingo Valley Expressway Tulsa



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