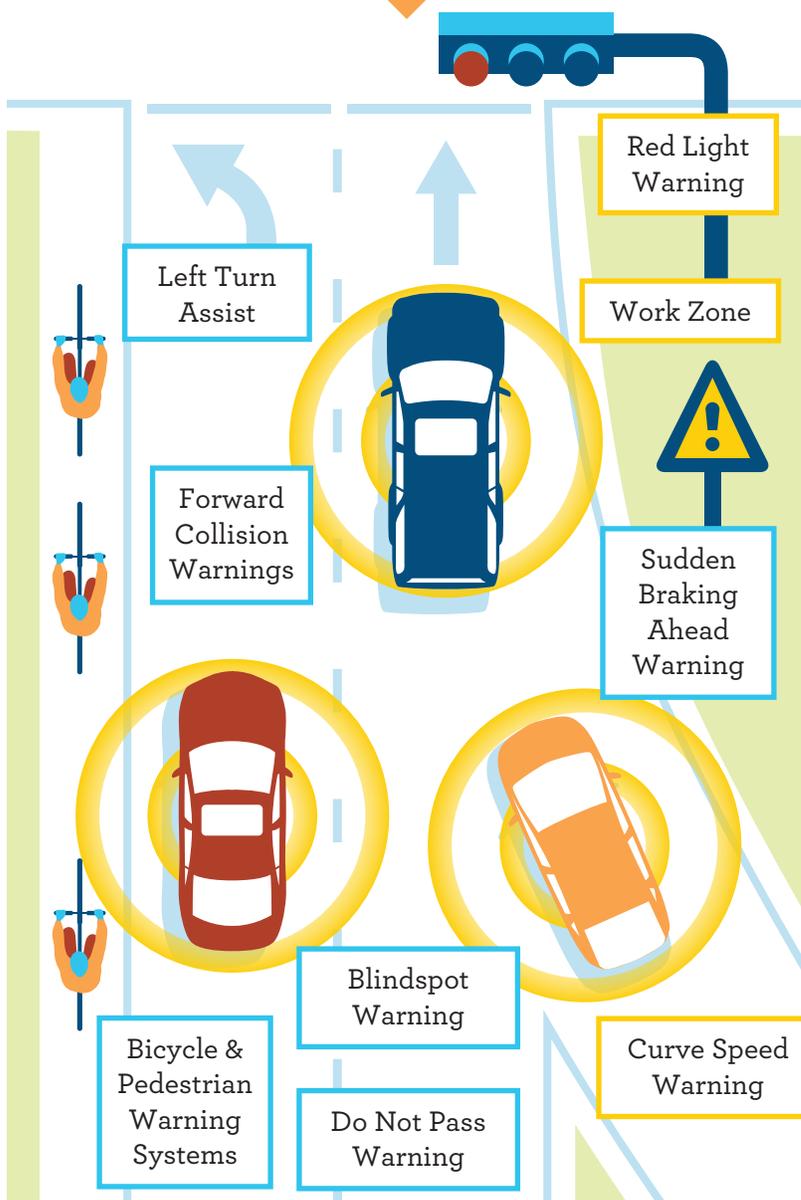


Safety Benefits of Connected Vehicles

Connected vehicles could revolutionize highway safety by potentially saving thousands of lives per year. Vehicle-to-vehicle (V2V) technology allows connected vehicles to wirelessly communicate with each other to warn drivers of potential dangers. With this information, the driver can take action to reduce the severity of the collision or avoid it completely.

SAFETY ALERTS



Dedicated Spectrum is Key

V2V technology requires secure and reliable communications without the threat of harmful interference. Safety messages sent to warn drivers must be sent without delay or interruption - **even fractions of a second matter with automotive safety.**

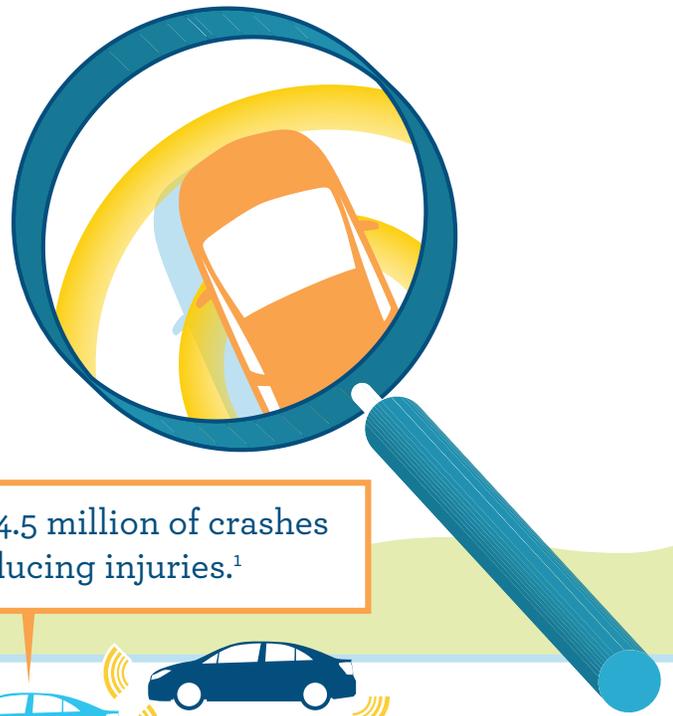
The Federal Communications Commission (FCC) allocated the 5.9 GHz frequency band for V2V communications. However, to open up additional spectrum for other users, the FCC has proposed allowing unlicensed devices, like Wi-Fi, to utilize the same 5.9 GHz band. Automakers are concerned that sharing the band with other devices will create harmful interference and compromise the integrity of this safety technology.

Bottom line: No Rush to Judgment

The FCC's decision is critical to vehicle and highway safety. The effects of sharing the 5.9GHz band should be studied thoroughly before the FCC takes any action to finalize its proposal.

-  Vehicle to Infrastructure (V2I)
-  Vehicle to Vehicle (V2V)

The National Highway Traffic Safety Administration says that connected vehicle technology could be a "game changer", potentially addressing 80% of vehicle crashes involving non-impaired drivers.



Saving Lives, Time and the Environment

Saving Lives: V2V and V2I could address 4.5 million of crashes that occur each year, saving lives and reducing injuries.¹



Saving Time: 4.2 billion hours currently wasted in traffic congestion annually² could be reduced, saving consumers and businesses both time and money.



Saving Fuel: 2.8 billion gallons of fuel are burned in traffic jams each year.³ Improved traffic flow and fewer crashes means less congestion, reducing fuel consumption and CO₂ emissions.



¹ Frequency of Target Crashes for IntelliDrive Safety Systems (DOT HS 811 381), October 2010

² <http://www.its.dot.gov/connected-vehicle/connected-vehicle-research.htm> - December 3, 2013

³ <http://www.its.dot.gov/connected-vehicle/connected-vehicle-research.htm> - December 3, 2013

About Global Automakers | The Association of Global Automakers represents international motor vehicle manufacturers, original equipment suppliers, and other automotive-related trade associations. We work with industry leaders, legislators, and regulators to create the kind of public policy that improves vehicle safety, encourages technological innovation, and protects our planet. Our goal is to foster a competitive environment in which more vehicles are designed and built to enhance Americans' quality of life. Learn more at www.globalautomakers.org and follow us at [@globalautomkr](https://twitter.com/globalautomkr) and facebook.com/GlobalAutomakers.