

# THE 5.9 GHZ SAFETY BAND

## Where Is the Safety Band in Use?

The Safety Band is already used by state transportation departments for vehicle-to-vehicle (V2V) and pedestrian collision avoidance; transit priority; traffic monitoring and congestion detection; traveler alerts; and snow plow and emergency vehicle traffic signal preemption.

There are currently 97 planned or operational connected vehicle deployment locations in the United States, all of which use the Safety Band.

More than 18,000 vehicles are deployed with aftermarket vehicle-to-everything (V2X) communications devices. Over 1,000 infrastructure V2X devices have been installed at the roadside in 25 states.

The U.S. Department of Transportation released *Preparing for the Future of Transportation: Automated Vehicles 3.0* in 2018, highlighting a three-phase research plan that is currently underway. It was developed collaboratively with the Federal Communications Commission and U.S. Department of Commerce to “explore spectrum-sharing technology that maintains priority use for vehicle communications.”

