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HYUNDAI SONATA PARTICIPATES IN U.S. DEPARTMENT OF TRANSPORTATION'S VEHICLE-TO-VEHICLE SAFETY PILOT



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Aug. 21, 2012 - In Ann Arbor, MI, a consortium of eight automakers (including Hyundai), suppliers, federal officials and academics are launching a fleet of 3,000 vehicles equipped with never-used-before transmitters. These automakers are contributing eight vehicles apiece equipped with transmitters, receivers and onboard warning systems to alert motorists to impending collisions. Other vehicles will be equipped with just transmitters but not receivers. Those vehicles will broadcast their locations to provide a better test of the fully equipped vehicles.

Hyundai is providing eight Sonatas equipped with the following warnings:

- . Forward Collision Warning
- 2 Blind Spot Warning
- 3 Lane Change Warning

If the pilot program is successful, NHTSA estimates that V2V safety technology may potentially address up to 82 percent of crash scenarios with unimpaired drivers, preventing tens of thousands of automobile crashes every year.

The link below has a demonstration video

<http://www.its.dot.gov/library/media/7connectedvehicle.htm>

The link below has a images

http://www.its.dot.gov/press/its_images.htm

This technology allows vehicles to "talk" wirelessly with one another using dedicated short-range communications on a secured channel allocated by the Federal Communications Commission (DSRC). The DSRC based radio system allows full-range, 360-degree detection of potentially dangerous situations, such as when a driver's vision is obstructed.

For example, drivers could be alerted if their vehicle is on path to collide with another vehicle at an intersection, when a vehicle ahead stops or slows suddenly or when a traffic pattern changes on a busy highway. The systems could also warn drivers if there is a risk of collision when changing lanes, approaching a stationary or parked vehicle, or if another driver loses control.

Hyundai is partnering with other automakers, the federal government, as well as local and county road commissions to create a common language that ensures all vehicles can "talk" to each other based on a common communication standard.

This public-private partnership includes the world's first government-sponsored driving clinics, which began in summer 2011, for which the company contributed eight prototype Hyundai Sonatas. The DOT's Intelligent Transportation Systems (ITS) is heading the research, continuing to coordinate with a coalition of automakers organized by the Crash Avoidance Metrics Partnership (CAMP), which is a joint research group headed by Ford and General Motors. The partnership is working to develop interoperability standards in advance of completing the research phase in 2013.

The model deployment is scheduled to end in early 2014. Hyundai will continuously support the project, while working with NHTSA

and CAMP on other research topics that are involved in V2V safety application development.

The vehicle integration work was accomplished by Hyundai America Technical Center, Inc. based outside of Ann Arbor Michigan.

HYUNDAI MOTOR AMERICA

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