

The United States Department of Transportation has released their final report on the Integrated Vehicle-Based Safety Systems (IVBSS) program.

The IVBSS program is a five-year cooperative research agreement to combine several crash warning subsystems, into a single, integrated concept to enhance the safety of both passenger vehicles and heavy trucks. The warning systems that were tested included: forward collision, lane departure, lane change, and curve speed warning . The project has been funded by USDOT's Research and Innovative Technology Administration (RITA) and its ITS Joint Program Office (ITS-JPO). The research was conducted by teams from UMTRI and the Volpe National Transportation Systems Center.



The initial phase of the project in 2006-2007 involved the design, build, testing and verification of the prototype systems on the passenger cars and heavy trucks. The field operational testing commenced in 2008 and involved a fleet of 16 passenger cars and 10 heavy trucks. The truck tests gathered approximately 1 million km of driving data, with 225,000km of baseline data and 820,000km with the integrated system enabled. The car tests collected approximately 354,000km of driving data was collected during the field test, with 119,000km of baseline driving data and 235,000km with the integrated system enabled. The analysis of all the field test data has now been completed and the results can be found in the final reports, which are available at the [IVBSS website](#) .