

## **Light-Vehicle Builds and Model Deployment Support for the Safety Pilot Program**

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Vehicle connectivity may have the ability to enable a safer and more efficient surface transportation system. The United States Department of Transportation (USDOT) Connected Vehicle Safety Pilot Program was created to demonstrate the safety capabilities of connected vehicles in a real-world environment and provide technical data in support of the National Highway Traffic Safety Administration's (NHTSA) 2013 decision on Connected Vehicle technology on light vehicles for vehicle safety. The two critical test efforts which make up the program are the Safety Pilot Driver Clinics and the Safety Pilot Model Deployment. The Driver Clinics project, in which VTTI contributed, evaluated driver acceptance within controlled test environments and operational scenarios, and completed testing in early 2012. The Safety Pilot Model Deployment is a full-scale test of safety related connected vehicle systems and will provide valuable information to understand their potential for improving the transportation system. From August 2012 to August 2013, the Model Deployment will include approximately 3,000 cars, trucks, and transit vehicles operating on an open roadway to assess fully integrated V2V (Vehicle-to-Vehicle) systems, aftermarket devices, and roadside infrastructure (V2I or Vehicle-to-Infrastructure). The Crash Avoidance Metrics Partnership (CAMP) Vehicle Safety Communications 3 (VSC3) Consortium of eight vehicle manufacturers, is leading the efforts to build and evaluate 72 light vehicles equipped with fully integrated V2V systems. VTTI has been selected to provide support to the CAMP VSC3 in Pre-Model Deployment Testing, Model Deployment data collection, processing, storage and analysis, and Post Model Deployment Evaluation.

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