**Need for Innovation**

About ½ of all traffic fatalities occur at night even though only about ¼ of travel occurs after dark. Retroreflective pavement markings help drivers see the road ahead at night and must be maintained to be effective. Transportation agencies need a safe, reliable and efficient way of collecting retroreflectivity data for their pavement markings.

**Project Team**

Leetron Vision  
Connecticut Department of Transportation

**Project Overview**

Leetron breaks away from the traditional design to develop a real time tracking system to counter motions and environmental effects on mobile data collection. Measurements are taken at an extremely fast rate of 4500 times a second. With stable electronics and optical components combined with an environment controls enclosure, the system is highly stable and can be operated by one person. The measurement capability is doubled by having the two systems measuring both, the driver and passenger side markings, simultaneously.

**Project Status**

The phase I final report is expected in April 2016.

**Contact Information**

**FHWA, Center for Accelerating Innovation**  
Technology Partnerships Program  
Julie Zirlin, 202-366-9105  
www.fhwa.dot.gov/hfl

**Leetron Vision LLC**  
Terry Lee  
603-224-8415  
www.leetronvision.com

The Leetron system provides a faster, more efficient quantitative evaluation of the retroreflectivity of markings.