



## Montgomery County Department of Transportation to Trial i-Probe Technology

*The Division of Highway Services of the Montgomery County Department of Transportation in Maryland begins trial to evaluate the effectiveness and usability of i-Probe technology.*

### **August 19, 2024 – GAITHERSBURG, Maryland**

The Division of Highway Services of the Montgomery County Department of Transportation (MCDOT), charged with maintaining over 5,300 miles of road and highway infrastructure within the county, concluded arrangements on August 7 to trial i-Probe's Road Condition Monitoring Big Data Analytics Service (RoCoMo-BDAS) and Smart Road Monitoring Connected Vehicle (SRMCV) service to determine effectiveness and instrumentality for the county.

Trials for both services commenced on August 19 and are expected to conclude before the end of the year. Trial implementation will be supported by O'Connell & Lawrence, Inc., a program management consultant for MCDOT currently tasked with monitoring pavement conditions on the county's maintained roads.

For the RoCoMo-BDAS service, MCDOT will have full access to crowdsourced data scans of road conditions in a designated square area including Germantown, Gaithersburg, Rockville, and Bethesda as well as several months of historical data for this region from which to draw comparative insights on pavement deterioration.

For the SRMCV service, the trial will focus on a designated 50-mile test area encompassing sections of Barnesville Road, Randolph Road, and Shady Grove Road among others. i-Probe's system will rapidly collect and mechanically process road roughness data to identify types of pavement defects and location, then verify these by video imaging.

The objective of the trial is to evaluate the usability and quality of the data collected by i-Probe services and determine how well the technology can be integrated into MCDOT's operations to improve efficiency. The trial will also serve as a research and development feedback mechanism for i-Probe's future enhancements.

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**i-Probe Inc. (IPI)** is one of the world's first providers specializing in collecting and analyzing Big Data obtained from vehicle sensors to provide infrastructure condition information services. IPI services include pothole/crack detection, pavement roughness condition monitoring, and deterioration alerts, which come with map overlay and are generated from continuous monitoring. IPI in partnership with Honda are carrying out several vehicle-based road asset assessment pilot projects in the U.S.

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