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Request for Special Session

Title: Connected Vehicle Implementation – Indiana Case Studies

Abstract

Indiana has the second largest automotive related GDP in the United States and has been a leader in connected vehicle implementation activities. Over the past decade, Indiana Department of Transportation (INDOT) has used connected vehicle data to prioritize strategic infrastructure investments and to support real-time tactical operations. This connected vehicle footprint has grown to the point that in 2021, INDOT ingests approximately 12 billion connected vehicle records per month. This connected vehicle data provides INDOT with nearly ubiquitous monitoring of their roadways and can, in many cases, replace traditional Intelligent Transportation Systems (ITS) sensors costing $100,000 per mile. USDOT has highlighted Indiana's connected vehicle initiatives as part of their Every Day Counts Programming (https://www.fhwa.dot.gov/innovation/everydaycounts/edc_6/crowdsourcing.cfm). This session will highlight the technical foundation of Indiana's connected vehicle initiatives. Several INDOT colleagues responsible for the technology development, implementation, and operations will be participants in this session.

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