Traffic Incident Management
Decision Support System Project

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The Tennessee Highway Patrol has developed a predictive software tool that analyzes multiple data points and provides probability predictions for crashes. Probability numbers for a 30 square mile area are tiled on a map of the state in 4 hour increments. The tool consumes historical crash data, weather forecasts, and event data. The THP is using this tool for allocating staff resources to proactively prevent traffic incidents. The tool is averaging a 72% accuracy rate.
TIM Decision Support System

C.R.A.S.H.
TDOT has received a 100K State Transportation Innovate Councils (STIC) grant to develop a predictive tool based upon the Tennessee Highway Patrol’s C.R.A.S.H. system. TDOT intends to merge this CRASH system into the operational environment of TDOT’s four Regional Traffic Management Centers (RTMCs) to optimize its deployment of freeway service patrol units.
Questions?

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