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UTC Project Information	
Project Title	Analysis of Advanced Driver-Assistance Systems in Police Vehicles
University	Texas A&M University
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Funding Source(s) and Amounts Provided (by each agency or organization)	Safe-D: \$99,985 TEES/TAMU match source: \$99,985
Total Project Cost	\$199,970
Agency ID or Contract Number	Grant No: 69A3551747115 Project: TTI-05-02
Start and End Dates	Start date: 05/01/2020 End date: 03/31/2022
Brief Description of Research Project	Motor vehicle crashes are the leading cause of deaths for police officers. These crashes have been mainly attributed to the use of in-vehicle technologies while driving. Advanced driver-assistance systems (ADAS) have the potential to improve officer safety by removing some of driver vehicle control responsibilities. Although current ADAS in police vehicles can adapt to emergencies and provide multi-modal alerts, there has been little research on how ADAS can reduce driving task demands in situations that officers are also engaged in secondary-tasks while driving. The objective of this project is to evaluate ADAS in police vehicles. This project will investigate how ADAS features should adapt in situations of multi-tasking and what types of ADAS are most effective for improving driver safety. The outcomes will provide practical guidelines to automotive companies supplying police vehicles regarding effective ADAS features/types and can improve officer safety in police operations.
Describe Implementation of Research Outcomes (or why not implemented) Place Any Photos Here	The research outcomes of this project will be disseminated through: <ul style="list-style-type: none">- Education and workforce development plan: including lab tours for K-12 STEM students, engagement of undergraduate engineering students in research, and webinars for law enforcement officers

	<ul style="list-style-type: none"> - T2 activities and products: including journal publications and conference proceedings, webinar/summit for law enforcement officers to discuss the project findings and implications - Final project report and data <p>The photo is attached in the email.</p>
<p>Impacts/Benefits of Implementation (actual, not anticipated)</p>	<p>The findings of this project will provide practical guidelines to automotive companies supplying police vehicles regarding effective ADAS features/types and can improve officer safety in police operations.</p>
<p>Web Links</p> <ul style="list-style-type: none"> • Reports • Project website 	<p>https://safed.vtti.vt.edu/projects/analysis-of-advanced-driver-assistance-systems-in-police-vehicles/</p>