UTC Project Information

Project Title	MPC-669 – Intelligent Safety Assessment of Rural Roadways Using Automated Image and Video Analysis
University	University of Utah
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Total Project Cost	$81,000
Agency ID or Contract Number	69A3551747108
Start and End Dates	September 24, 2021 to July 31, 2024
Brief Description of Research Project	Due to the significant effect of roadside safety on the number and severity of road accidents, many state DOTs are trying to detect road segments with potentially unsafe roadside attributes. This can be achieved by manually inspecting videos and images collected by third-party data providers, such as Mandli. However, this process is both time-consuming and susceptible to human error. Therefore, this project will develop an automated approach that leverages computer vision and machine learning to efficiently evaluate roadside safety.
Describe Implementation of Research Outcomes (or why not implemented) Place Any Photos Here	Machine learning and computer vision

Impacts/Benefits of Implementation (actual, not anticipated)	Finding problematic locations on rural roads by DOTs

Web Links
   • Reports
   • Project Website
	https://www.ugpti.org/resources/reports/details.php?id=1151