

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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Funding Source(s) and Amounts Provided (by each agency or organization)	<p>USDOT, Office of the Assistant Secretary for Research and Technology \$36,000</p> <p>Utah Department of Transportation \$45,000</p>
Total Project Cost	\$81,000
Agency ID or Contract Number	69A3551747108
Start and End Dates	September 24, 2021 to July 31, 2022
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	
Impacts/Benefits of Implementation	

(actual, not anticipated)	
Web Links <ul style="list-style-type: none">• Reports• Project Website	