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**Professional Opinion 18-22  
Painted Guide Rail**

**Roadside Safety Pooled Fund  
Engineering Support/Professional Opinion Project**

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## **Professional Opinion 18-22: Painted Guide Rail**

The Pennsylvania Department of Transportation (PennDOT) has asked TTI researchers to evaluate the MASH compliance of the painted guide rail system. Due to a lack of previous testing performed on this system or similar systems, TTI researchers could not provide a professional opinion answering the question. TTI researchers recommend that detailed Finite Element (FE) simulation analyses and/or crash testing be performed to investigate the crashworthiness and MASH compliance of painted/coated guide rail systems. Therefore, TTI researchers suggest the development of a Pooled Fund project to properly address the submitted questions from PennDOT regarding the painted guide rail systems.