



Transportation



MEA Forensic's Transportation Group applies engineering and scientific principles to identify the causes and factors contributing to transportation crashes and losses. Whether related to human error, vehicle malfunction or environmental conditions, our professionals have the knowledge and experience to translate physical evidence into the information clients need to establish liability. Our extensive testing facilities allow us to run full-scale crash tests or reproduce component failures to answer even the toughest forensic questions.

Let our individual experts or multidisciplinary teams bring the right combination of knowledge, skill and experience to your case.

Types of Investigations

- ✦ Automobiles
- ✦ Bicycles
- ✦ Heavy trucks and buses
- ✦ Motorcycles
- ✦ Pedestrian impacts
- ✦ Trailer stability
- ✦ Trains
- ✦ Watercraft
- ✦ All-terrain vehicles
- ✦ Aircraft

Collision Reconstruction

- ✦ Collision severity
- ✦ Impact location
- ✦ Speed and dynamics
- ✦ Sequence of events
- ✦ Seat belt use and effectiveness
- ✦ Event data recorders
- ✦ PC-Crash simulations
- ✦ Rollovers and roof crush
- ✦ Headlamp function

Mechanical Function

- ✦ Tire failure
- ✦ Wheel separation
- ✦ Brake system function
- ✦ Airbag performance
- ✦ Lighting system functionality
- ✦ Traffic signal timing/sequence
- ✦ Replacement part quality

Human Factors

- ✦ Perception response time
- ✦ Operator behavior/error
- ✦ Nighttime visibility
- ✦ Roadway design
- ✦ Collision avoidance potential

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