

## Accident Reconstruction

Accident reconstruction is the process of answering the question, "What happened?" Information about accidents comes from multiple sources; the roadway, the vehicles or people. The highest level of accident reconstruction comes from an expert that is not only a skilled accident investigator but is also a professional that maintains a sound understanding of the physics, engineering, and science involved. At MDE all of our accident reconstruction experts are professional engineers. When the question of "What happened?" is asked, MDE's answer is based on a thorough understanding of the sciences, engineering principles, and factual data. MDE has investigated accidents involving automobiles, motorcycles, trucks, trailers, pedestrians, bicycles, off-road vehicles, trains, airplanes, rotorcraft, watercraft, marine equipment, agricultural equipment, mining equipment, and heavy machinery.

### Vehicle Investigation

- Vehicle Examination
- Crash Data Retrieval
- Vehicle Accident Reconstruction (VAR)
- Air Bag Analysis

### Scene Analysis

- Total Station Scene Mapping
- Visibility Studies
- Time-Distance Analysis
- Automobile Accident Analysis
- Highway Safety Evaluation
- Aerial Photography

### Failure Analysis

- Electrical Components
- Metallurgical Analysis of Parts
- Wheel / Tire Evaluations
- Comprehensive Forensic Laboratory Analysis

### Litigation Support

- Expert Witness Testimony
- Computer Rendered Scene Simulations
- Legal Graphics
- Full Research and Testing Facility
- Evidence Preservation & Storage

