

# M-CRASH group LLC

4106 Wilder Rd #290, Bay City, Michigan 48706-2239; Phone (989) 928-3358 www.mcrash.com



## Steven J. Kieliszewski

### EXPERIENCE

- 2001 – Present Alpena County Sheriff's Department; Alpena, MI  
**Undersheriff**
- 2000 – 2001 Alpena County Sheriff's Department; Alpena, MI  
**Sergeant**
- 1987 – 2000 Alpena County Sheriff's Department; Alpena, MI  
**Deputy Sheriff**
- 1/87 – 7/87 Otsego County Sheriff's Department Gaylord, MI  
**Deputy Sheriff**
- 6/86 – 12/86 Mackinac Island Police Department Mackinac Island, MI  
**Police Officer**

### COURT TESTIMONY

- 2001 Testified twice in the 88<sup>th</sup> District Court as an expert on traffic crash fatality causation and speed determination.

### EDUCATION

- 1984 Alpena Community College; Alpena, Michigan  
Associates Degree- Applied Science, Law Enforcement
- 1985 Ferris State University; Grand Rapids, Michigan  
Bachelor Degree- Criminal Justice

- Michigan State University  
Accident Investigation 1: Initial Investigations  
A five-day course which trained officers to recognize and record all pertinent physical evidence at serious accident scenes. Sketching, measuring, basic photography, roadway and vehicle evaluation, and basic speed determinations were the major topics.
- Michigan State University  
Accident Investigation 2: Follow-up Investigations  
A sequel five day course to AI-1 that covered such follow-up functions as preparing scale drawings, mathematical calculations via formulae/equations, reaction & braking distances, and case studies.
- Michigan State University  
Accident Investigation 3: Accident Photography

**Michigan Crash Reconstruction and Automotive Specialist group**  
*Providing expert services with pride and integrity.*



A two-day offering that taught officers how to take useful and comprehensive traffic accident photographs. Major topics were basic camera familiarization, daytime photography and night time (flash) photography.

- Michigan State University  
Accident Investigation 4: Perspective Grid Mapping of Evidence  
A one day course that focused upon using camera and perspective grid to record measurements at serious accident scenes, assembly of perspective grids and how to grid perspective photographs.
- Michigan State University  
Accident Investigation 5: Tire Dynamics  
A one-day course that helps the investigating officer determine whether tire failure contributed to the accident and, if so, whether the tire failure took place before, during, or after the collision. It also covered the role of tires in vehicle handling.
- Michigan State University  
Accident Investigation 6: Lamp Examination  
A one day seminar to assist investigators to determine whether vehicle lamps were “on” or “off” at the time of impact. Also covered the proper procedure for removing and storing damaged vehicle lamps.
- Michigan State University  
Accident Investigation 7: Commercial Vehicle Accident Investigation  
A special seminar which covered those aspects of truck and bus accidents which differ from ordinary passenger car accident dynamics. This course was three days and covered such topics as weight shift, truck braking systems, heavy vehicle components, and variable drag factors.
- Michigan State University  
Accident Investigation 8: Motorcycle Accident Investigation  
A two day course which focused on the technical aspects of investigating traffic accidents involving motorcycles, mopeds, and bicycles.
- Michigan State University  
Accident Investigation 9: Accident Reconstruction  
A ten day seminar which covered various aspects of scientific traffic accident reconstruction as acceleration, time-distance studies and the determination of speeds via kinetic energy principles and conservation of linear momentum.
- Michigan State University  
Accident Investigation 11: Night Visibility Factors and Lighting Requirements  
Two day course on night visibility factors and lighting requirements. Trains the officer to recognize, record, and interpret those factors, which can contribute to a nighttime collision.
- Michigan State University  
Accident Investigation 12: Car/Pedestrian Collisions  
Two-day course that dealt with the determination of points of impact by vehicle evaluation and impact speeds of vehicles based upon vehicle damage characteristics.
- Michigan State University  
Accident Investigation 15C: Reconstruction Forms  
A one-day course that covered the operating features and use of the software program RECFORMS (Reconstruction Formulae) to solve traffic crash reconstruction problems.



- Michigan State University  
Accident Investigation 15D: Computer Aided Drawing  
A three-day course teaching the basic features of computer-aided drawing software to prepare scale drawings of related physical evidence.
- Oakland County Sheriff's Department  
Railroad Traffic Crash Investigations  
A one-day class sponsored by the Oakland County Sheriff Department dealing with collisions involving trains and motor vehicles.

#### **SKILLS AND CERTIFICATES**

- Infrared Breathalyzer Operator #08814
- Salvage Yard Inspector #0825
- Evidence Technician
- VC2000
- Michigan Traffic Radar Operator
- PADI Certified Scuba Diver
- Advanced Police Officer Certificate 1990
- Certified Child Safety Seat Technician
- Various In-Service Training Certificates
  - Substance Abuse Enforcement
  - Crime Scene Photography
  - Interview and Interrogation
  - Fire Arson Investigation

#### **PROFESSIONAL MEMBERSHIPS**

Michigan Association of Traffic Accident Investigators (MATAI) Member since 1991  
National Association of Professional Accident Reconstruction Specialists (NAPARS) Member since 1995  
Northeast Michigan Accident Investigation Team