



**DWAYNE G. "RED" OWEN**  
**CERTIFIED ACCIDENT RECONSTRUCTIONIST**  
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[www.crashresponse.com](http://www.crashresponse.com)

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## EMPLOYMENT

### Crash Response, LLC, October, 2015 to present

Owner of Crash Response, LLC, an accident reconstruction firm. Areas of expertise include accident reconstruction (certified accident reconstructionist) of motor vehicles crashes ranging from those involving motorcycles to tractor-trailers; accident investigation; ECM and CDR (black box) downloads and analysis; accident scene and evidence photography; forensic examiner (American Board of Forensic Examiners Certified).

## PREVIOUS EMPLOYMENT

Ruhl Forensic, Inc., 1983-2015  
Accident Reconstructionist

City of Freeport Police Department, May 15, 1971, to June 15, 1991.  
Promoted to Deputy Chief, May 27, 1990  
Promoted to Lieutenant, August 1, 1987  
Promoted to Sergeant, December 1, 1984  
Promoted to Patrolman First Class, October 1, 1981  
Assignments included:  
Patrol Shift Commander  
Accident Reconstructionist for City of Freeport  
Traffic Safety Advisor to City Council  
Commander and Training Officer of the Auxiliary Police  
Communication and Computerization  
Retired: 06-15-91

University of Illinois at Urbana-Champaign, 1997 - 2004  
Department of Community Health, Motorcycle RiderCourse Instructor  
(Motorcycle Safety Foundation - National Certification)

Highland Community College, Humanities and Social Science Division, 1983-1990.  
Photography Instructor

## EDUCATION

1968-70 Milwaukee School of Engineering, Milwaukee, Wisconsin  
Electronic Communication program

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1967-68 Highland Community College, Freeport, Illinois  
Pre-Engineering Program

Various police training schools, including those at University of Illinois at Urbana-Champaign and Northwestern University at Evanston

### Areas of instruction:

Motor Vehicle	872 class hours
Criminal	467 class hours
Administration	232 class hours
Safety	212 class hours

## CERTIFICATIONS

Certified Accident Reconstructionist, since February 1989  
Certified Crash Data Retrieval System Operator, since January 2004  
Certified Forensic Examiner, since January 1998  
Class A Commercial Driver's License with Endorsements (current)  
Motorcycle Instructor, Basic RiderCourse, RiderCoach Certification, April, 2003  
Motorcycle Instructor RiderCourse Certification, October, 1997

## SPECIALIZED TRAINING

FARO 3D Visualization Software Course, FARO Academy, July 9, 10 & 26, 2019 (18 hours)

Roadside Inspection Course – Vehicle Requirements, Commercial Vehicle Safety Alliance, Oak Park, WI, June 24 – 28, 2019 (40 hours)

IATAI Traffic Crash Reconstruction Conference, Springfield, IL, October 4-6, 2017

Digital Forensics of Heavy Vehicle Event Data Recorders (Engine Control Modules), University of Tulsa, Tulsa, OK, July 11-13, 2017 (20 hours)

Investigation of Motorcycle Crashes, Institute of Police Technology and Management, University of North Florida, Joliet, IL, November 7-11, 2016 (35 hours)

IATAI Traffic Crash Reconstruction Conference, East Peoria, IL, September 21-23, 2016

IATAI Traffic Crash Reconstruction Conference, East Peoria, IL, September 16-18, 2015

ARAS 360HD Advanced Computer Diagramming and Animation for Incident Reconstruction, September 24-26, 2013 (18 hours)

IATAI Traffic Crash Reconstruction Conference, East Peoria, IL, September 18-20, 2013

Crash Data Retrieval User's Seminar, Houston, TX, January 21-23, 2013 (20 hours)

How to Interpret Commercial Vehicle Event Data Recorders (Engine Control Modules), University of Tulsa, Tulsa, OK, November 15-19, 2010 (40 hours)

European Conference for Accident Reconstruction 2009, Pedestrian and Two Wheeler Crash Testing (Pedestrians, Bicycles, Motorcycles), Wildhaus, Switzerland, June 12-13, 2009

Coaching the Emergency Vehicle Operator II Ambulance, Defensive Driving Course, National Safety Council, January 7, 2009

Design and Operation of Work Zone Traffic Control seminar, presented by a National Highway Institute certified instructor, Champaign, IL, December 5, 2008

Vetronix / Bosch Crash Data Retrieval (CDR) Data Analyst Course, Westlake, OH, May 20-23, 2008 (32 hours)

Vetronix / Bosch Crash Data Retrieval (CDR) Technician Course, Westlake, OH, May 19, 2008 (8 hours)

Use of robotic, pulsed laser total station and data recorder for forensic mapping, TOPCON, Champaign, IL, August, 2007 (6 hours)

Crash Data Retrieval User's Conference, Dallas, TX, February 13-14, 2006 (16 hours)

Nikon Advanced Digital Photography Course, Rosemont, IL, November 20, 2005 (8 hours)

Photogrammetry and the use of Photomodeler in Accident Investigation, Champaign, IL, July 8-9, 2005 (24 hours)

Operation and Maintenance of Heavy Duty Vehicle Air Brake Systems and Components Course, Bendix, Chicago, IL, June 1-3, 2004 (24 hours)

Vetronix Crash Data Retrieval (CDR) System Operator Course, Chicago, IL, January 28-30, 2004 (24 hours)

EDC Simulations Training Course, University of Miami, Miami, FL, November 10-14, 2003 (35 hours)

Motorcycle Instructor, Basic Rider Course, RiderCoach Certification, Motorcycle Safety Foundation, University of Illinois, April 11-12, 2003, (16 hours)

EDC Reconstruction Training Course (EDCRASH), University of Miami, Miami, FL, November 11-15, 2002 (35 hours)

CDL Defensive Driving Course, Champaign, IL, December, 2001

Using a pulsed laser total station and data recorder to perform forensic mapping of an accident scene, TOPCON, Champaign, IL, September, 2001

Commercial Driving License

Braking Performance of Heavy Commercial Vehicles, Society of Automotive Engineers, Lexington, KY, September 25-26, 2000

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European Conference for Accident Reconstruction 2000, Passenger Vehicle Crash Testing (Rollover, Pedestrian Impacts, and Tree Impacts), Neumunster, Germany, May, 2000

Motorcycle Instructor RiderCourse, Motorcycle Safety Foundation, University of Illinois, October, 1997, 80 hours

Inspection of Articulated Vehicles, TrukSafe America Risk Management, Inc., Phoenix, AZ, March 12, 1993

Graduate, SOS Big Rig Driving School, Phoenix, AZ, March, 1993

Heavy Vehicle Rollovers, SAE Seminar, Atlanta, GA, April 29-30, 1993

EDC Simulations, Accident Reconstruction Seminar, Calif. State University, Northridge, CA, 01/21-26, 1990 (40 hours)

Truck Enforcement Laws, Northwest Illinois Criminal Justice Commission, June, 1987

## PROFESSIONAL ASSOCIATIONS

American Board of Forensic Examiners, Diplomate  
Commercial Vehicle Safety Alliance  
Illinois Association of Chiefs of Police  
Illinois Association of Technical Accident Investigators  
Institute of Transportation Engineers  
Midwest Association of Technical Accident Investigators  
National Association of Professional Accident Reconstruction Specialist, Inc.  
Society of Automotive Engineers  
Technology and Maintenance Council (American Trucking Associations)

## PRESENTATIONS

Owen, D.G., "An Evaluation of Vehicle Deceleration Rates on a Common Surface." European Accident Reconstruction Conference, Wildhaus, Switzerland, June 12, 2009.

"Simulation Involved in Vehicle Accident Reconstruction," Dr. Roland L. Ruhl and Dwayne G. Owen, Proceedings of the 1989 Summer Computer Simulation Conference, Austin, Texas, Society for Computer Simulation, July 24-27, 1989.

## PUBLICATIONS

Owen, Dwayne G. and Scott Duvall, On-Board Electronics published in *Truck Accident Litigation, Third Edition*, Chicago: American Bar Association, 2012.

Owen, Dwayne G. and Scott M. Duvall, Truck Crash Investigation and Reconstruction published in *Truck Accident Litigation, Third Edition*, Chicago: American Bar Association, 2012.

Owen, Dwayne G. and Senalik, C. Adam, Data Collection: Site, Vehicle, and Electronic Evidence published in *Truck Accident Litigation, Second Edition*, American Bar Association, 2006.

Editorial duties on *Truck and Trucking Handbook: A Primer*, Ruhl and Associates, 2000.

Ruhl, Roland A. and Owen, Dwayne G., *Vehicle Accident Investigation: A Guide for Risk Managers and Claims Personnel*, Ruhl and Associates, 1994. Second printing, Fall 1996.

## TRAINING ADDENDUM

### Motor Vehicle

- 04/11-12/03 Motorcycle Instructor, Basic RiderCourse, RiderCoach Certification, Motorcycle Safety Foundation, University of Illinois  
16 hours
- 09/22-24/99 IATAI Accident Reconstruction Conference, Springfield, IL  
25 hours
- 09/09-11/98 IATAI Accident Reconstruction Conference, Springfield, IL  
16 hours
- 10/97 Motorcycle Instructor RiderCourse, Motorcycle Safety Foundation, University of Illinois  
80 hours
- 09/21-24/97 ATA Conference on Highway Accident Litigation, Monterey, CA, 20 hours
- 09/97 Motorcycle RiderCourse, Motorcycle Safety Foundation, University of Illinois  
20 hours
- 05/11-13/92 MATAI Technical Accident Investigator Training Seminar, 6 hours
- 10/10-12/91 IATAI's Accident Reconstruction Conference, Illinois State University  
24 hours
- 10/04-06/90 IATAI's Accident Reconstruction Conference, Illinois State University  
24 hours
- 02/15-16/89 Accident Reconstruction Specialist Exam, IL Law Enforcement Training Board  
16 hours
- 02/11-12/89 Accident Reconstruction Review, N.E. IL Criminal Justice Commission  
16 hours
- 10/05-07/89 IATAI Accident Reconstruction Conference, Illinois State University  
24 hours
- 12/08-09/88 CDSI AutoCAD Operator Training Course, CAD Design Systems, Inc.  
16 hours
- 10/06-08/88 IATAI Accident Reconstruction Conference, Illinois State University  
24 hours
- 10/08-10/87 IATAI's Accident Reconstruction Conference, Illinois State University  
24 hours
- 06/15-19/87 Microcomputer Application Programs for Traffic Accident Reconstruction, Northwestern University  
40 hours
- 06/02/87 Truck Enforcement Laws, N.W. IL Criminal Justice Commission  
8 hours

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04/23/86 Traffic Law, N.W. IL Criminal Justice Commission  
8 hours  
12/16/85 D.W.I. Law Update and Changes, N.W. IL Criminal Justice Commission  
8 hours  
10/15-26/84 Traffic Accident Reconstruction, Northwestern University  
72 hours  
06/19-23/83 Vehicular Homicide - D.W.I., Northwestern University  
40 hours  
01/24-28/83 Police Traffic Radar Instructor, Illinois State Police Academy  
33 hours  
04/28-30/81 Illinois Vehicle Code, Illinois Secretary of State  
24 hours  
01/21/81 Police Radar Seminar, N.W. IL Criminal Justice Commission  
8 hours  
04/07-25/80 Technical Accident Investigation, Northwestern University  
120 hours  
01/22-26/79 Breath - Alcohol Testing, University of Illinois at Urbana-Champaign  
40 hours  
09/11-22/78 Accident Investigation, Northwestern University  
80 hours  
01/30/74 Defensive Driving, National Safety Council  
N/A  
09/26/73 Police Speed Radar Operation, Decatur Electronics, Inc.  
4 hours  
04/06/73 Traffic Accident Investigation, Chicago Police Dept. Extension Unit  
06/05-09/72 Traffic Crash Investigation, University of Illinois at Urbana-Champaign  
40 hours

**Administration**

02/22-26/88 Traffic Executive Development, Northwestern University  
03/14-18/88 80 hours  
12/09/86 Planning & Implementing Change, N.W. IL Criminal Justice Commission  
8 hours  
09/09/86 Management Issues in Law Enforcement, N.W. IL Criminal Justice  
Commission, 8 hours  
02/27/86 Police Records - Retention and Destruction, N.W. IL Criminal Justice  
Commission  
8 hours  
09/09/85 Criminal and Civil Lawsuits, N.W. IL Criminal Justice Commission  
8 hours  
09/07/84 Liability of Peace Officers, N.W. IL Criminal Justice Commission  
8 hours  
03/06/84 Police Supervision, N.W. IL Criminal Justice Commission  
8 hours  
10/07/83 Police Liability, N.W. IL Criminal Justice Commission  
8 hours  
11/01-02/82 Stress Management, N.W. IL Criminal Justice Commission  
16 hours

12/07-18/81 Supervision of Police Traffic Personnel, Northwestern University  
80 hours

**Criminal**

06/26/90 Use of Cap-Stun, N.W. IL Criminal Justice Commission  
3 hours

03/19/89 Weapon Selection Criteria: Semi-Automatic vs Revolvers Course, N.W.  
IL Criminal Justice Commission

12/14/88 9mm Pistol, Federal Bureau of Investigation  
4 hours

10/27/87 Domestic Violence Act, N.W. IL Criminal Justice Commission  
8 hours

03/06/87 High Risk Felony Stops, Federal Bureau of Investigation  
8 hours

12/05/85 High Risk Felony Arrests and Stops, Federal Bureau of Investigation  
8 hours

06/06/85 Crime Scene Investigation, N.W. IL Criminal Justice Commission  
8 hours

01/23/85 Use of Deadly Force, N.W. IL Criminal Justice Commission  
8 hours

11/13/84 Laws of Evidence, N.W. IL Criminal Justice Commission  
8 hours

02/08/84 Self Defense, N.W. IL Criminal Justice Commission  
8 hours

10/12/83 Search and Seizure, N.W. IL Criminal Justice Commission  
8 hours

09/28/83 Interviews and Interrogations, N.W. IL Criminal Justice Commission  
8 hours

03/16-17/82 Interviews and Interrogations, University of Illinois at Urbana-Champaign  
16 hours

01/15-16/82 Street Survival Seminar, Hawkeye Institute, Waterloo, Iowa  
16 hours

03/19/81 Officer Survival Seminar, N.W. IL Criminal Justice Commission  
8 hours

12/15/80 Interviews and Interrogations, Chicago Police Dept. Extension Unit  
N/A

09/12/79 Stress Shoot, Federal Bureau of Investigation

11/15-16/78 Latent Fingerprints, Freeport Police Department  
16 hours

05/24-26/78 Stress Firearms, Federal Bureau of Investigation  
24 hours

11/15/77 Street Stops Seminar, N.W. IL Criminal Justice Commission  
8 hours

01/25-26/77 Criminal Law, N.W. Illinois Criminal Justice Commission  
16 hours

12/15/75 Emergency First Aid, Chicago Police Dept. Extension Unit  
N/A

09/10/75 Fundamentals of Criminal Investigation, Chicago Police Extension Unit  
N/A

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04/26/74 Crime Scene Investigation, Illinois Bureau of Investigation,  
8 hours  
04/15/74 Police Patrol Procedures, Chicago Police Dept. Extension Unit  
N/A  
01/18-19/73 Arrest, Search and Seizure, Illinois Bureau of Investigation  
16 hours  
09/21-22/71 Basic Police Training, University of Illinois at DeKalb  
240 hours

**Safety**

05/16/90 Disaster Preparedness for Aircraft Emergencies, N.W. IL Criminal  
Justice Commission  
3 hours  
03/13/90 Gas and Electric Emergencies, N.W. IL Criminal Justice Commission  
3 hours  
06/26-30/89 Hazardous Materials, Basic Awareness Instructor, IDOT  
32 hours  
05/16/88 CPR Instructor, American Red Cross  
8 hours  
05/02/88 Health Safety Education, American Red Cross  
4 hours  
03/13/88 Cardiopulmonary Resuscitation, American Red Cross  
8 hours  
07/23/87 Radiological Monitoring, Illinois Emergency Services and Disaster Agency  
8 hours  
10/18/86 Hazardous Materials Emergency Response, Illinois Dept. of Transportation  
8 hours  
06/21-29/86 Hazardous Materials: First Responder, IL Dept. of Transportation  
32 hours  
04/26/86 Cargo Truck Emergency Response, Safety Services, Jacksonville, Florida  
8 hours  
04/16/86 Helicopter Safety, IL Department of Transportation  
N/A  
02/26/86 Hazardous Materials Awareness, University of Illinois at Urbana-Champaign  
8 hours  
03/26/83 Handling Radiological Materials, Illinois Emergency Services and Disaster  
Agency  
07/25/82 Disaster Control Seminar, Safety Systems, Inc.  
8 hours  
07/09/80 Basic Radiological Monitoring, Illinois Emergency Services and Disaster  
Agency  
N/A  
09/18/73 Emergency Medical Technician - AMB., Illinois Dept. of Public Health,  
82 hours