

COOPER BARRETTE CONSULTING, LLC

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ADAM M. HYDE

Professional Experience

Traffic Crash Reconstruction Consultant **2004-Present**
Cooper Barrette Consulting, LLC., Lake Zurich, Illinois

- Consultant and expert witness to attorneys, insurance companies, law enforcement agencies and others in the areas of traffic accident investigation and reconstruction.
- Assist staff with crash site inspections, vehicle inspections and electronic evidence analysis.
- Download and image vehicle Event Data Recorders in passenger vehicles and commercial vehicles.

Director of Highway and Transportation Safety Programs **2012-Present**
Northwestern University, Center for Public Safety, Evanston, Illinois

- Manage courses, recruit, train and assign adjunct instructors. Develop and manage curriculum and courses. Budgeting, business development and coordination of the Highway and Transportation Safety Division.
- Instruction of Crash Investigation, Crash Reconstruction and Crash Data Retrieval System courses.
- Contributing author of the *Traffic Collision Investigation Manual and Traffic Crash Reconstruction Manual*.

Law Enforcement Professional **1999-Present**
Winthrop Harbor Police Department, Winthrop Harbor, Illinois (2021 to present)
Lincolnshire Police Department, Lincolnshire, Illinois (2000 to 2021)
Johnsburg Police Department, Johnsburg, Illinois (1999-2000)

- Commander of the Major Crash Assistance Team of Lake County, Illinois (MCAT).
- Crash investigation and reconstruction specialist. Developed and lectured an array of programs regarding traffic crash investigation and reconstruction for law enforcement personnel.
- Performed police supervisory duties, police policy development and implementation, grant procurement, criminal investigations, field training officer coordination, coordinated specialized enforcement duties, school resource officer duties, patrol officer duties, recruitment, and community relations.

- Consult and provide case review, expert witness testimony, and educational programs in the area of traffic crash investigation and reconstruction.

Education

Northwestern University
Center for Public Safety School of Police Staff and Command
Class #469, January 2020
Evanston, Illinois

B.A. Degree, Criminal Justice Studies
Columbia College, 2003
Columbia, Missouri

Engineering Studies and Criminal Justice Studies
Iowa State University, 1996-1999
Ames, Iowa

Professional Certifications

ACTAR Accredited Traffic Accident Reconstructionist, 2016
Federal Aviation Administration Remote Pilot Airman Certificate, 2017
State of Illinois Crash Reconstruction Specialist, 2016
State of Illinois Law Enforcement Officer, 2000
State of Illinois Lead Homicide Investigator, 2011
Northwestern University Center for Public Safety Accident Investigation and Reconstruction Program, 2003-2004
Illinois Truck Enforcement Officer, 2001
Bosch Crash Data Retrieval System Technician and Analyst, 2005
Bosch Crash Data Retrieval System Trainer and Mentor, 2010
Traffic Enforcement LIDAR Trainer, 2005

Professional Affiliations

Accreditation Commission on Traffic Accident Reconstruction (ACTAR)
Governing Board of Directors Board Member, 2019-Present
Chairman of the Organizational Information and Special Projects Committee, 2020-Present

National Association of Professional Accident Reconstruction Specialists (NAPARS),
Board of Directors Member, 2017-Present
Board Officer, Secretary, 2020 to Present
NAPARS Member, 2010-Present

Illinois Association of Technical Accident Investigators (IATAI)
Member, 2008-Present

Accident Reconstruction Network (ARC)
Member, 2007-2019

Professional Achievements

Northwestern University Franklin M. Kreml Leadership Award, 2020
Police Officer of the Year, Lincolnshire Police Department, 2016
National Crime Victim's Rights Law Enforcement Award, 2012
More than 25 Lincolnshire Police Department Commendations
Six Driving Under the Influence Enforcement Awards from AAIM
Illinois Department of Transportation Driving Under the Influence Award and Enforcement
Video Development

Professional Activities

Expert Testimony

Qualified to provide accident reconstruction testimony.

Publications

Contributing author, 3rd Edition of the Traffic Collision Reconstruction Manual, Northwestern University Center for Public Safety, 2021

Contributing author, 10th Edition of the Traffic Collision Investigation Manual, Northwestern University Center for Public Safety, 2013

Hyde, Barrette, Lopata, Taylor, "The Application of Unmanned Aerial Systems (UAS) and Aerial Photography to Crash Investigations," NAPARS News, Volume Number 2, July 2017.

Hyde, Manges and DiTallo, *Collision Magazine*, "A Team Approach to Crash Investigation," Collision Publishing, Temecula, California, Fall 2015, Volume 10, Issue 2

Hyde and Barrette, *Collision Magazine*, "Investigation of Traffic Crashes Involving the Inhalation of Difluoroethane," Collision Publishing, Kirkland, Washington, Spring 2013, Volume 8, Issue 1

Professional Teaching Experience

Northwestern University Center for Public Safety

Instructed courses in the traffic crash investigation and reconstruction division.

United Nations Developmental Program and Northwestern University Center for Public Safety
Programs in Traffic Crash Reconstruction, Kuwait, April and May 2017

Crash Data Retrieval System (CDR)

Have trained, mentored, and certified crash investigators in the proper use, application, and legal process of the CDR Tool

Guest Lecture

California Association of Accident Reconstruction Specialists, October 2021, Lake Tahoe, California, crash investigations, reconstructions and case studies.

Annual Joint Conference, NAPARS, NJARR, NYSTARS, MDATAI and NATARI, October 2021, Ocean City, Maryland, in collision scene documentation and evidence identification.

California Association of Accident Reconstruction Specialists October 2018, Lake Tahoe, California, Crash Data Retrieval and Event Data Recorders

California Association of Accident Reconstruction Specialists, January 2018, Glendora and Vallejo, California, Aerial Photogrammetry in Crash Investigation and Drone Program Initiative, Crash Scene Procedures and Case Studies

Illinois Association of Technical Accident Investigators (IATAI), October 2017, Springfield, Illinois, Aerial Photogrammetry in Crash Investigation and Drone Program Initiative, Crash Scene Procedures

Annual Combined Conference, NAPARS, NJARR, NYSTARS, MDATAI and NATARI, August 2017, Glassboro, New Jersey, Aerial Photogrammetry in Crash Investigation and Drone Program Initiative

Collision Safety Institute and Crash Data Group – CDR Summit
January 2016, Houston, Texas, Crash Testing Case Studies with Ignition Cycle Issues

October 2015, Anaheim, California, Event Data Recorders and Reconstruction Application with Case Studies

California Association of Accident Reconstruction Specialists October 2014, Lake Tahoe, California, Force Balance Methodology in Crash Reconstruction

Major Crash Assistance Team

Multiple programs developed and presented to over 100 police officers in the area of crash investigation and reconstruction.

Instructed educators from around the nation in the area of crash investigation and application of physics from the National Council of Teachers of Mathematics

Coordinated live crash testing, 2009 and 2014

Professional Training

Have attended over 1,900 hours of courses and seminars for traffic safety, to include:

Northwestern University Center for Public Safety, Evanston, Illinois

sUAV (Drone) Application to Crash Reconstruction, 2016
Advanced Crash Reconstruction with Human Factors, 2013
Pedestrian Vehicle Crash Reconstruction, 2009
Heavy Vehicle Crash Reconstruction, 2007
Traffic Engineering Technical Assistant, 2006
Traffic Crash Reconstruction 1 and 2, 2004
Vehicle Dynamics, 2004
Physics and Mathematics Workshop, 2004
Traffic Accident Investigation 1 and 2, 2003

Michigan State University, East Lansing, Michigan

Crash Reconstruction Event Data Recorder Case Studies, 2012

Collision Safety Institute, San Diego, California

Crash Data Retrieval System Summit, 2010, 2012, 2014 and 2016

Crash Data Retrieval System Train the Trainer/Mentor, 2010, 2012, 2014, 2016 and 2018

ARC-CSI Crash Conference, 2009, 2008 and 2007

Crash Data Retrieval Analyst and Technician, 2005 and 2008

North East Multi-Regional Training Unit, North Aurora, Illinois

Crisis Intervention Team, 2016

Serious and Fatal Accident Investigation for Evidence Technicians, 2003

Commercial Truck Safety Inspector, Truck Enforcement Level 2, 2002

Truck Enforcement Officer, Truck Enforcement Level 1, 2001

Portable Weight Scale Inspector, 2001

Basic Evidence Technician, 1999

University of Illinois and Department of Transportation, Springfield, Illinois

Prosecution of Reckless Homicide Cases, 2012

Prosecution of Drugged Drivers, 2012

Illinois Association of Technical Accident Investigators

Crash Reconstruction Update, 2012

Crash Reconstruction Conference, 2011

Heavy Truck ECM Data Use in Crash Investigations, 2010

Society of Automotive Engineers

Accessing and Interpreting Heavy Vehicle Event Data Recorders, 2018

Major Crash Assistance Team of Lake County

Annual training, updates and practical experiences in traffic crash investigation and reconstruction, 2004 through Present.