WILLIAM T. HOUK, ACCIDENT RECONSTRUCTIONIST



EDUCATION:

Associate of Science, Business Administration, Lincoln Land Community College
Police Officer, Arizona Law Enforcement Academy

EXPERIENCE:

Accident Reconstructionist, Knott Laboratory, LLC, Phoenix, AZ, November 2026 – Present
Detective, Vehicular Crimes & Reconstruction Unit, Scottsdale Police Department, AZ, March 2014 – October 2026
Motorcycle Officer, Traffic Unit, Scottsdale Police Department, AZ, March 2007 – March 2014
Patrol Officer, Scottsdale Police Department, AZ, February 2000 – March 2007

ACCIDENT RECONSTRUCTION:

Mr. Houk is an experienced law enforcement investigator with more than 26 years of experience specializing in complex vehicle collisions. His expertise includes advanced analysis methods such as Spin Analysis, Damage Analysis (Crush), and Event Data Recorder retrieval. With more than 1,300 hours of vehicle crash training, Mr. Houk has a proven track record of follow-through, continuous learning, leadership, and teamwork. He is also a certified law enforcement instructor with more than 10 years of experience teaching advanced investigative techniques and serves as a volunteer guest speaker and instructor in Science, Math, and Criminal Justice with the Scottsdale PD Citizen's Academy and Scottsdale-area public schools.

EXPERT TESTIMONY:

With more than 26 years of service and over 1,300 hours of professional training, Mr. Houk is a seasoned law enforcement detective and instructor. He has worked directly with city and county prosecutors to investigate several hundred civil and criminal cases, with his investigative expertise contributing to a 100% conviction rate among those charged. His expert testimony experience includes defense interviews, grand jury proceedings, civil court, city criminal court, and county superior court in cases involving charges ranging from misdemeanors to felonies.

CERTIFICATIONS:

- FAA UAG Drone Pilot 2019 – Present
- AZPOST Crash Investigation/Reconstruction Instructor 2015 – Present
- CDR Technician 2011 – Present
- AZPOST General Instructor 2006 – Present
- Taser Instructor 2009 – 2019
- Taser Armorer 2010 – 2019
- RADAR/LIDAR Instructor 2013 – 2018
- Child Car Seat Inspector 2007 – 2014
- AZ DOT Document Examiner 2007
- Horizontal Gaze Nystagmus 2006
- Commercial Vehicle Safety Inspector 2006
- LIDAR Certification 2006
- Field Training Officer 2005
- Taser Certification 2003
- RADAR Certification 2001

PROFESSIONAL AFFILIATIONS:

Arizona Peace Officer Standards and Training Board, 2000 – Present
Fraternal Order of Police, 2000 – Present
Association of Professional Baseball Players of America, 1989 – Present

ACCIDENT RECONSTRUCTION TECHNOLOGIES AND TRAINING:

1. Institute of Police Technology and Management Symposium IPTM, 40 Hours – Orlando, FL – May 2024
2. World Reconstruction Exposition IPTM, 40 Hours – Orlando, FL – May 2023
3. Aircraft Accidents for First Responders FAA, 3 Hours – Glendale Regional Airport, AZ – July 2018
4. Using Microsoft Excel for Traffic Crash Reconstruction Rich Consulting, LLC, 24 Hours – AZPOST Phoenix, AZ – October 2017
5. Pedestrian, Bicycle, Vehicle Crash Investigation IPTM, 40 Hours – Scottsdale, AZ – October 2017
6. FARO Laser Scanning Training FARO Technologies, 40 Hours – Scottsdale, AZ – June 2017
7. FARO Forensic Workshop FARO Technologies, 8 Hours – Tucson, AZ – October 2017
8. Motor Vehicle Accident Reconstruction and Cause Analysis Rudy Limpert, Ph.D., 40 Hours – Phoenix, AZ – December 2016
9. Digital Photography IPTM, 40 Hours – Scottsdale, AZ – September 2016
10. Interviewing Techniques for the Traffic Crash Investigator IPTM, 40 Hours – Scottsdale, AZ – July 2016
11. ARC/CSI Crash Conference Crash Data Group, 32 Hours – Las Vegas, NV – May 2016
12. World Reconstruction Exposition IPTM, 40 Hours – Orlando, FL – May 2016
13. Compassionate Death Notification Training Mothers Against Drunk Driving, 8 Hours – Scottsdale, AZ – December 2015
14. Speed Determined from Collision Damage (CRUSH Training) Collision Reconstruction Engineers, Inc., 40 Hours – Scottsdale, AZ – October 2015
15. Advanced Pedestrian, Bicycle, Vehicle Crash Investigation IPTM, 40 Hours – Scottsdale, AZ – March 2015
16. Acceleration and Vericom Familiarization Vericom Computers, Inc., 12 Hours – Chandler, AZ – April 2014
17. Traffic Crash Reconstruction IPTM, 80 Hours – Scottsdale, AZ – July 2013
18. Traffic Crash Reconstruction Update IPTM, 40 Hours – Scottsdale, AZ – June 2013
19. Energy Methods and Damage Analysis in Traffic Crash Reconstruction IPTM, 40 Hours – Scottsdale, AZ – June 2013
20. Digital Photography IPTM, 40 Hours – Scottsdale, AZ – March 2012
21. Accident Reconstruction Scottsdale Police Department, 80 Hours – Scottsdale, AZ – August 2011
22. Traffic Crash Reconstruction III AZPOST, 30 Hours – Phoenix, AZ – June 2011
23. Event Data Recorder Use in Traffic Crash Reconstruction IPTM, 40 Hours – Scottsdale, AZ – May 2011
24. Traffic Crash Reconstruction II AZPOST, 40 Hours – Phoenix, AZ – May 2011
25. Traffic Crash Reconstruction I AZPOST, 40 Hours – Phoenix, AZ – April 2011

26. Pedestrian, Bicycle, Vehicle Crash Investigation IPTM, 40 Hours – Scottsdale, AZ – March 2011
27. Advanced Accident Investigations Scottsdale Police Department, 40 Hours – Scottsdale, AZ – November 2010
28. NHTSA Speed Program Management Course National Highway Traffic Safety Administration, 30 Hours – Scottsdale, AZ – May 2010
29. Human Factors in Crash Reconstruction IPTM, 40 Hours – Scottsdale, AZ – November 2009
30. Investigation of Motorcycle Crashes IPTM, 40 Hours – Scottsdale, AZ – March 2009
31. Fraudulent Document Recognition Arizona Department of Transportation, 40 Hours – Phoenix, AZ – September 2007
32. General Instructor School ALEA Phoenix Police Dept., 40 Hours – Phoenix, AZ – September 2006
33. Drug Investigation Training Public Agency Training Council, 15 Hours – Scottsdale, AZ – June 2005
34. Traffic Crash Reconstruction II Scottsdale Police Dept., 40 Hours – Scottsdale, AZ – October 2004
35. Introduction to Traffic Crash Reconstruction Scottsdale Police Dept., 30 Hours – Scottsdale, AZ – September 2003
36. Advanced Accident Investigations Scottsdale Police Dept., 40 Hours – Scottsdale, AZ – August 2003