JEROME L. OWENS

Accident Reconstructionist

Accident Reconstruction | Commercial Vehicle Analysis | Drug Recognition Expert
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PROFESSIONAL PROFILE

Accident Reconstructionist and law enforcement officer with experience in collision reconstruction, serious-injury and fatality crash investigations, impaired-driving enforcement, field training, and law-enforcement instruction. Experience includes municipal law enforcement and private forensic consulting, with assignments involving passenger vehicles, commercial motor vehicles, motorcycles, pedestrians, bicycles, and emergency vehicles.

Provides technical analysis in matters involving speed and time-distance calculations, Bosch Crash Data Retrieval (CDR), Event Data Recorder (EDR) information, vehicle dynamics, forensic mapping, video analysis, driver identification, and UAS drone mapping. Trained in CDR, heavy-truck reconstruction, FARO forensic mapping, PIX4D photogrammetry, pedestrian and bicycle crash investigation, motorcycle crash investigation, human factors, and impaired-driving enforcement. Additional experience includes assisting law enforcement agencies and prosecutors and providing testimony in municipal, magistrate, and circuit courts and before a grand jury.

CORE EXPERTISE

- **Accident Reconstruction:** speed calculations, time-distance analysis, vehicle dynamics, physical evidence evaluation, driver identification, and serious-injury and fatality crash investigations
- **Impaired-Driving Investigations:** Drug Recognition Expert investigations, DUI enforcement, SFST instruction, ARIDE, and drugged-driving investigations
- **Digital & Scene Technology:** FARO forensic mapping, UAS drone mapping, PIX4Dcloud, PIX4Dmatic, PIX4Dcatch, Axon Investigate, video analysis, and Excel-based reconstruction tools
- **Vehicle & Event Data:** Bosch Crash Data Retrieval (CDR), Event Data Recorder (EDR) analysis, vehicle examinations, and heavy-truck crash reconstruction
- **Motorcycle & Vulnerable Roadway Users:** motorcycle, pedestrian, and bicycle crash investigation and reconstruction
- **Law Enforcement Instruction & Case Support:** field training, advanced crash-investigation instruction, witness and driver interviews, agency and prosecutor assistance, depositions, and courtroom testimony

ACCREDITATION, CERTIFICATIONS, AND PROFESSIONAL AFFILIATIONS

Drug Recognition Expert	Completed Drug Recognition Expert School and field certification
Vehicle System Systems	Bosch CDR Tool Technician; completed Bosch Event Data Recorder Use in Traffic Reconstruction, Levels I and II
Professional Affiliations	National Association of Professional Accident Reconstruction Specialists (NAPARS)
Federal Aviation Administration	Remote Drone Pilot

PROFESSIONAL EXPERIENCE

KERLEY RECONSTRUCTION LLC — 2026-Present

Accident Reconstructionist / Drug Recognition Expert

- Conduct collision reconstruction assignments for legal and investigative matters involving serious-injury and fatal collisions, including passenger vehicles, commercial vehicles, motorcycles, pedestrians, and bicycles.
- Conduct collision scene and vehicle examinations. Document roadway conditions, vehicle damage, and physical evidence through photographs, measurements, and inspection records.
- Apply accepted reconstruction methods to evaluate physical evidence, vehicle dynamics, speeds, and time-distance relationships. Analyze vehicle movements and collision sequences using documented scene and vehicle evidence.
- Review and evaluate Bosch Crash Data Retrieval (CDR) reports and Event Data Recorder (EDR) information in conjunction with physical evidence, vehicle damage, and other investigative materials.

- Use FARO, PIX4D, and unmanned aircraft system (UAS) drone-mapping technology to document collision scenes. Preserve measurements, imagery, and mapping records for reconstruction analysis.
- Evaluate photographs and video evidence alongside scene measurements, vehicle damage, and electronic vehicle data to assess collision circumstances and the consistency of reconstruction findings.
- Prepare technical findings, analytical summaries, and supporting documentation for attorneys, investigators, and other case professionals. Organize the evidence and calculations supporting reconstruction analyses.
- Maintain organized case materials, including photographs, inspection records, measurements, forensic mapping files, electronic vehicle data, video evidence, and technical work.

CRASH TECH RECONSTRUCTION SERVICES LLC — 2022-2026

Accident Reconstructionist

- Performs collision reconstruction work involving passenger vehicles, commercial vehicles, motorcycles, pedestrians, and bicycles.
- Assists with serious-injury and fatal crash investigations through scene analysis, vehicle examinations, evidence documentation, and technical reconstruction.
- Evaluates speed, time-distance relationships, vehicle dynamics, CDR/EDR data, video evidence, and physical evidence from the roadway and involved vehicles.
- Applies specialized training in pedestrian, bicycle, motorcycle, and heavy-truck crash reconstruction.
- Assists with the preparation and presentation of technical findings for civil and criminal matters.

CHARLESTON POLICE DEPARTMENT — 2017-Present

Police Officer / Field Training Officer / Crash Reconstructionist / Drug Recognition Expert

- Serves as a full-time police officer with responsibilities involving traffic enforcement, impaired-driving investigations, criminal investigations, and collision investigations.
- Investigates serious-injury and fatal crashes involving passenger vehicles, commercial vehicles, motorcycles, pedestrians, bicycles, and emergency vehicles.
- Conducts scene examinations, vehicle inspections, Bosch CDR downloads, forensic mapping, witness and driver interviews, and physical evidence documentation.
- Performs speed calculations, time-distance analysis, vehicle dynamics analysis, video review, and driver-identification evaluations.
- Assists other law enforcement agencies, city and county governments, and prosecutors with complex crash investigations.
- Serves as a Field Training Officer responsible for training and evaluating newly assigned officers.
- Instructed Advanced Crash Investigation Level II at the West Virginia State Police Academy in 2023 and Advanced Crash Investigation Level III in 2024.
- Provides testimony concerning crash investigations in municipal, magistrate, and circuit courts and before the Kanawha County Grand Jury.

EDUCATION

Westside High School | Clear Fork, WV	2005

LAW ENFORCEMENT TRAINING ACADEMIES

West Virginia State Police Academy	169TH Basic Class in 2017

RELEVANT TRAINING, CERTIFICATIONS, AND CONTINUING EDUCATION

Course / Certification	Date
Advanced Roadside Impaired Driving Enforcement (ARIDE)	2017
Drug Recognition Expert	April 2018
Prosecuting Drugged Driving	September 2018
Standardized Field Sobriety Testing Instructor	January 2019
Field Training Officer	2019

Course / Certification	Date
Traffic Crash Reconstruction	2021
Vehicle Dynamics	June 2021
Bosch Crash Data Retrieval Technician	August 2021
FARO Forensic Mapping	November 2021
Pedestrian and Bicycle Crash Investigations	April 2022
Integrity Interview Techniques	2022
Advanced Motorcycle and Pedestrian Crash Investigations	September 2022
Heavy Truck Reconstruction	May 2023
Advanced Crash Investigations Level II Instructor	2023
Advanced Crash Investigations Level III Instructor	2024
Bosch Crash Data Analysis Level I	October 2024
PIX 4D Cloud and Online Workflow	2024
Video Analysis in Collision Reconstruction	October 2025
PIX 4D Matic and Catch Crash and Forensic Reconstruction	October 2025
Public Safety UAS Drone Mapping	December 2025
Axon Investigate Examiner	February 2026
Microsoft Excel in Crash Reconstruction	April 2026
Foundations of Human Factors and Crash Reconstruction	October 2026

CONFERENCES, SEMINARS, COMPETITIONS, AND PRESENTATIONS

Year	Program
2023	Pennsylvania State Police Collision Reconstruction Conference and Crash Testing
2024	Pennsylvania State Police Collision Reconstruction Conference and Crash Testing
2025	Pennsylvania State Police Collision Reconstruction Conference and Crash Testing

AWARDS AND RECOGNITION

Award / Recognition	Date
Top West Virginia DUI Enforcer	2018
Top West Virginia DUI Enforcer	2019
Top West Virginia DUI Enforcer	2020
Top West Virginia DUI Enforcer	2021
Awarded Agency Officer Of The Year	2025