



CRASH INVESTIGATION SERVICES

DEREK V. MORRIS

CRASH RECONSTRUCTIONIST/PRIVATE INVESTIGATOR

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EDUCATION

- North Carolina State University, Raleigh, North Carolina
Bachelor of Science, Agricultural Extension, August 2009
Minor, Animal Science

LICENSES & CERTIFICATES

- PIX4D- PIX4Dmatic and PIX4Dsurvey Essentials, June 2023
- N.C. Private Protective Services- Private Investigator License April 2023-present
- iVE Vehicle System Forensics, Berla Vehicle Systems Forensics Course, June 2021
- Federal Aviation Administration Part 107 License, March 2020-present
- North Carolina Justice Academy General Instructor Training, August 2019-present
- Crash Data Retrieval Systems Technician, Analyst and Advanced Analyst, 2017-present
- Advanced Law Enforcement Certificate, February 2019
- John E. Reid and Associates, Investigative Interviewing and Advanced Interrogation Certificate, November 2018
- Dustin Forensics, FARO 3D Forensics Certificate, September 2017
- Traffic Crash Reconstruction Certificate, March 2017
- Lidar Certificate, November 2016-2020
- Intermediate Law Enforcement Certificate, September 2014
- Drug Recognition Expert Training by International Association of Chiefs of Police, June 2014-2022
- Alcohol Screening Tests Device (PBT) Certification, October 2013-2022
- Chemical Analyst Certificate by NC Department of Health and Human Services, July 2013-2022
- Radar Operator Certificate by the State of North Carolina, February 2013-2020
- Basic Law Enforcement Certificate, August 2012

PROFESSIONAL EXPERIENCE

CRASH INVESTIGATION SERVICES, NORTH CAROLINA, US

- OWNER/PRIVATE INVESTIGATOR, APRIL 2023-CURRENT



I am a current Private Investigator in the state of North Carolina. I specialize in crash reconstruction and investigation. I am a drone pilot through the FAA and utilize drones to map crash scenes and make a 3D model of the roadway where the crash occurred. I also utilize technology to scan the vehicles, post-crash, into a 3D measurable model. I have a been trained on multiple vehicle forensic/download devices and how to analyze and interpret the data to determine the factors of the crash.

NC DRONE COMPANY, NORTH CAROLINA, US



- **OWNER/REMOTE PILOT IN COMMAND, FEB 2023-CURRENT**

I am a current sUAS Certified Pilot through the Federal Aviation Administration. NC Drone company specializes in aerial photography, photography, videography, aerial videography, drone mapping and 3D modeling. The drones are also utilized in the capturing of crash and/or crime scenes. These can be used to make a measurable 3D model of the scene.

RALEIGH POLICE DEPARTMENT, NORTH CAROLINA, US



- **CRASH RECONSTRUCTION INVESTIGATOR, JUL 2017-DEC 2021**

I was formerly assigned to the Raleigh Police Department Crash Reconstruction Unit as a Traffic Crash Reconstructionist. In this position, I was responsible for responding to, and investigating, serious bodily injury and fatality crashes that occurred within the City of Raleigh. I was able to take information gathered at the scene of crashes and reconstruct the wreck to help determine what occurred before, during, and after impact to include vehicle speeds at impact. I assessed the three elements of the driving system: The Environment, The Vehicle and The Human Element and then evaluated how they pertained to the crash. As a reconstructionist I was responsible for mapping the scene in detail using multiple technologies. The Human Element of crashes led me to interviewing those involved. I worked closely with the North Carolina Medical Examiner's office on each fatality case as well as local hospitals for serious injury cases and trained to assess bodily injuries and use this to help determine the actions of the human body during the crash. I was responsible with remaining in contact with the families of the deceased with continual updates of the case findings. I worked very closely with the Wake County District Attorney's Office.

- **PATROL OFFICER, JAN 2012-JUL 2017**

As a Patrol Officer I was responsible for protecting life and property through the enforcement of laws and ordinances. Patrolling assigned areas and responding to 911 calls to police service. Conducting preliminary and follow-up criminal and traffic investigations. Responsible for conducting interviews and preparing written reports and field notes of investigations and patrol activities. Apprehending suspected criminals and testifying in court as needed.

PROFESSIONAL DEVELOPMENT

- Division of Aviation NCDOT, NC UAS Operators Course
- North Carolina Department of Health and Human Services Intox EC/IR II
- International Association of Accident Reconstruction Specialist Southeastern Collision Reconstruction Conference, Mt. Pleasant, SC
- iVE Vehicle System Forensics, Berla Vehicle Systems Forensics Course
- North Carolina Justice Academy, General Instructor Training
- Forensic Tests for Alcohol Branch, SFST (Standardize Field Sobriety Testing) Training
- North Carolina Department of Health and Human Services, DRE In-Service Training

- FEMA, Field Force Operations Training
- North Carolina Justice Academy, Crash Data Retrieval Systems Technician Analyst and Advanced Analyst Training
- Conference of District Attorneys: Lethal Weapon, Vehicular Homicide Case Preparation, Prosecuting the Drugged Driver, Checkpoint Regional Training
- John E. Reid and Associates, Investigative Interviewing and Advanced Interrogation Training
- Atlanta-Carolina HIDTA Trainings: Advanced Psychology for Cops, Search and Seizure, Social Media Investigations, Interview and Interrogations, Hotel/Motel Drug Interdiction, Organized Retail Crime, Developing and Using Informants
- NCDOT, Be Rail Safe Training
- North Carolina Justice Academy Trainings: Bicycle and Pedestrian Traffic Crash Reconstruction Training, Traffic Homicide Case File Preparation Training, Motorcycle Crash Investigation Training, Traffic Crash Reconstruction 2.0 Training, Advanced Traffic Reconstruction Training, At-Scene Crash Reconstruction Training
- Dustin Forensics, FARO 3D Forensics Training
- Lidar/Radar Training
- Institute of Police Technology and Management, Medical Foundations of Visual System Testing Training
- NC Department of Health and Human Services, NHTSA/ARIDE Training

COURSES TAUGHT

- Raleigh Police Academy, Traffic Crash Investigation
- Raleigh Police Academy, DWI Detection and SFST
- Mothers Against Drunk Driving (MADD), Victim Impact Panel
- Raleigh Police, At-Scene Crash Investigation

COURT QUALIFICATIONS

- November 2015 Wake County District Court
The Honorable Judge Gregory
Qualified as an Expert in
Horizontal Gaze Nystagmus
- May 2015 Wake County Superior Court
Qualified as an Expert in
Horizontal Gaze Nystagmus
- May 2015 Wake County Superior Court
Qualified as an Expert in
Horizontal Gaze Nystagmus
- April 2015 Wake County District Court
Qualified as an Expert in
Drug Recognition
- October 2013 Wake County District Court

The Honorable Judge Bailey
Qualified as an Expert in
Horizontal Gaze Nystagmus

MEMBERSHIPS/COMMITTEE'S

- City of Raleigh Bike Pedestrian Advisory Committee
- NC Vision Zero Task Force
- International Association of Accident Reconstruction Specialists
- International Association of Chiefs of Police

COMPUTER EXPERIENCE

- MS Office (Word, Excel, PowerPoint, Teams)
- Bosch Crash Data Retrieval Systems
- Berla iVE Vehicle System Forensics
- FARO 3D Scanner Systems
- Pix4D Drone Mapping Software