



*WILLIAM J. (JIM) GRIFFIN* ACTAR REG. #379  
COLLISION RECONSTRUCTION SERVICE



610 Deerfield Road  
Hayden, Alabama 35079-6480  
WEBSITE: [www.ALWrecks.com](http://www.ALWrecks.com)

Phone (205) 590-2207  
Cell (205) 746-9128  
EMAIL: [jim@ALWrecks.com](mailto:jim@ALWrecks.com)

## Curriculum Vitae

Full Name: WILLIAM JAMES GRIFFIN

### Personal Information

DATE OF BIRTH: NOVEMBER 28, 1954  
BIRMINGHAM, ALABAMA  
MARRIED - TWO CHILDREN  
RESIDENCE: 610 DEERFIELD RD.  
HAYDEN, AL. 35079

### EDUCATION

GATE CITY ELEMENTARY SCHOOL  
WOODLAWN HIGH SCHOOL (1973)  
JEFFERSON STATE JUNIOR COLLEGE -

### Specialized Schools and Training:

(1978) Birmingham Police Academy

RADAR Instructor

(1986) CERTIFIED BY KUSTOM ELECTRONICS RADAR MANUFACTURER  
(1987) RE-CERTIFIED BY JEFFERSON COUNTY SHERIFF DEPARTMENT  
(1988-2002) RE-CERTIFIED BY BIRMINGHAM POLICE DEPARTMENT  
(2002-PRESENT) RE-CERTIFIED BY FULTONDALE POLICE DEPARTMENT

Intoxilyzer 5000 and Drager Mark IV meter operator and

CERTIFIED BY STATE OF ALABAMA DEPARTMENT OF HEALTH (4/23/86 – 04/30-2010)  
(NOW LICENSED BY STATE OF ALABAMA DEPARTMENT OF FORENSIC SCIENCES)

(1984) Traffic Accident Investigation seminar

BIRMINGHAM POLICE ACADEMY

(1988) Advanced Traffic Accident Investigation

INSTITUTE OF POLICE TECHNOLOGY AND MANAGEMENT  
UNIVERSITY OF NORTH FLORIDA  
JACKSONVILLE, FLORIDA

(1988) Traffic Accident Reconstruction

INSTITUTE OF POLICE TECHNOLOGY AND MANAGEMENT  
UNIVERSITY OF NORTH FLORIDA  
JACKSONVILLE, FLORIDA

(1989) Commercial Vehicle Inspection

(1989) Commercial Vehicle Accident Investigation

INSTITUTE OF POLICE TECHNOLOGY AND MANAGEMENT  
UNIVERSITY OF NORTH FLORIDA  
JACKSONVILLE, FLORIDA

(1992) Tire / Wheel Design Technology and Failure Analysis for Traffic Safety

AUBURN UNIVERSITY COLLEGE OF ENGINEERING  
AUBURN, ALABAMA

(1992) Advanced Traffic Accident Reconstruction With the use of Microcomputers

INSTITUTE OF POLICE TECHNOLOGY AND MANAGEMENT  
UNIVERSITY OF NORTH FLORIDA  
JACKSONVILLE, FLORIDA

(1992 & 1995) Railroad Crossing Grade Accident Investigation--

OPERATION LIFESAVER  
NORFOLK--SOUTHERN RAILROAD  
BIRMINGHAM, ALABAMA

Special Problems in Traffic Accident Reconstruction,  
AN ANNUAL SEMINAR, INCLUDING THE FOLLOWING TOPICS:

(1989)

PEDESTRIAN ACCIDENTS  
APPLICATION OF  $360^{\circ}$  MOMENTUM  
VECTOR SUM ANALYSIS  
SPEED CALCULATIONS FROM YAWS  
AIRBORNE CALCULATIONS  
LAMP EXAMINATION  
CRUSH DEFORMATION  
TECHNICAL ACCIDENT INVESTIGATION AND THE NEWS MEDIA  
TRAILER SWING OUT AND OFF TRACKING  
TIME/DISTANCE ANALYSIS  
HUMAN FACTORS

(1990)

INJURY PATTERNS  
TRAILER STABILITY IN ARTICULATED VEHICLES  
VIDEO ANIMATION  
PHOTOGRAMMETRY  
TIRE AND PAVEMENT FRICTION  
ACCIDENT RECONSTRUCTION PHOTOGRAPHY  
MOTORCYCLE STOPPING CHARACTERISTICS  
LEGAL AND ETHICAL RESPONSIBILITIES  
MOTORCYCLE DYNAMICS  
RAILROAD CROSSING ACCIDENTS  
VEHICLE AUTOPSIES

(1991)

CRITICAL SPEED PROBLEMS  
TOOLS/ TECHNIQUES FOR MOTORCYCLE ACCIDENTS  
MOTORCYCLE TIRES AND PROBLEMS  
INTERVIEWING TECHNIQUES  
PEDESTRIAN ACCIDENTS  
TRAILER CONSPICUITY AND UNDER-RIDE  
OCCUPANT STRIKE ZONES AND KINEMATICS

MODIFIED VEHICLES  
VEHICLE STIFFNESS COEFFICIENTS  
THE RIGHT HANDED SYSTEM IN MOMENTUM ANALYSIS  
S.A.E. MEETING AND LECTURE ON  
INVESTIGATION OF SEAT BELT FAILURE

(1993)

ANALYZING NIGHTTIME ACCIDENTS  
TRACTOR TRAILER JACKKNIFE PROBLEMS  
COMPUTER PROGRAMS FOR RECONSTRUCTION  
DECELEROMETERS  
ACCIDENT FRAUD  
ROLLOVERS  
LAMP EXAMINATION  
AUTO--SKETCH SCENE DRAWING  
AIRBORNE MEASURING PROBLEMS  
MECHANICAL VEHICLE INSPECTION  
FRICTION & ENERGY  
OCCUPANT/PEDESTRIAN INJURY CORRELATION  
ANIMATING COLLISIONS  
HEAVY TRUCK DECELERATION/BRAKE ADJUSTMENT  
NEW AUTOMOTIVE TECHNOLOGIES

(1995)

ACCIDENT ANIMATION & SIMULATION - LEGAL ISSUES  
PHYSICAL EVIDENCE VS. THE EYE WITNESS  
VECTOR ANALYSIS USING CO-ORDINATE MATH  
BUS ACCIDENT RECONSTRUCTION  
VEHICLE FIRE ANALYSIS  
OCCUPANT KINEMATICS AND HUMAN TISSUE INJURY ANALYSIS  
DEVELOPING DEMONSTRATIVE EVIDENCE  
FRICTION AND TIRE FORCES  
MULTI UNIT COMMERCIAL VEHICLE ANALYSIS  
MOTORCYCLE ACCIDENT RECONSTRUCTION  
HEADLIGHT PATTERN ANALYSIS  
NIGHT VISIBILITY AND HUMAN FACTORS  
NEW AUTOMOTIVE LAMP TECHNOLOGY

(1996)

DUI PROSECUTIONS IN FATAL AND SERIOUS TRAFFIC ACCIDENTS  
HUMAN FACTORS/ PERCEPTIONS AND RESPONSE  
HYDROPLANING AND RELATED TOPICS  
LOW SPEED IMPACT CRASH STUDY  
PEDESTRIAN HIT AND RUN INVESTIGATION  
THE POLICE ROLE IN MANUFACTURED - PRODUCT LIABILITY INVESTIGATIONS  
ACCELERATION - DECELERATION / TIME DISTANCE REVIEW  
VEHICLE MECHANICAL FAILURE ANALYSIS  
COMPUTER AIDED COLLISION TRAJECTORY PREDICTION USING SMAC  
TIRE RETREAD TECHNOLOGY  
EFFECTS OF AERODYNAMICS ON VEHICLES  
SCHOOL BUS ACCIDENT ANALYSIS AND LITIGATION  
THE MEDIA IN MAJOR ACCIDENT RECONSTRUCTION

(1998)

COMMERCIAL VEHICLE ACCIDENT INVESTIGATION - OVERVIEW  
COMMERCIAL VEHICLE TRAILER SWING OUT  
EFFECTIVE WAYS TO PRESENT PHYSICAL EVIDENCE  
LINEAR MOMENTUM - FACTS VS. MYTH  
TIRES - CAUSATIVE FACTOR OR NOT  
THE RECONSTRUCTIONIST AS AN EXPERT

A GUIDE TO DETERMINING OCCUPANT SEATING POSITIONS  
THE USE OF THE INTERNET IN ACCIDENT INVESTIGATION  
CRASH DIAGRAMMING WITH LASER SYSTEMS AND METHODOLOGY  
THE USE OF IN CAR VIDEO FOR ACCIDENT INVESTIGATION  
CHECK YOURSELF - THE USE OF MATH AND PHYSICS  
OCCUPANT PROTECTION SYSTEMS  
OCCUPANT KINEMATICS - INJURY ANALYSIS

(1999)

MOMENTUM APPLICATIONS  
PEDESTRIAN/BICYCLE ACCIDENT INVESTIGATION  
INSPECTION/INSTALLATION OF CAR SEATS  
SPORT UTILITY VEHICLE CASE STUDIES  
TRAILER BRAKING SYSTEMS  
ENERGY METHODS  
PREPARING A TRAFFIC HOMICIDE CASE  
RAILROAD ACCIDENT INVESTIGATIONS  
LOW SPEED COLLISIONS  
DNA AND TRACE EVIDENCE  
BLOOD EVIDENCE AND TRAFFIC ACCIDENT INVESTIGATION

(2001)

PREDICTING DRIVER PERCEPTION-REACTION TIMES  
VEHICLE OCCUPANT EVIDENCE  
BLACK BOX TECHNOLOGY IN CARS AND LIGHT TRUCKS  
TIRE FAILURE ANALYSIS AND LITIGATION  
PRACTICAL EVIDENCE INTERPRETATION – KEEPING IT SIMPLE  
UNCERTAINTY STUDIES  
BICYCLE CRASH DYNAMICS  
CRASH INJURY ANALYSIS  
POST COLLISION DRAG FROM SPIN  
VEHICLE DAMAGE ANALYSIS  
STAGED CRASH AND REVIEW

(2002)

MOTORCYCLE CRASHES (CRASH TESTING)  
TRUCK BRAKE INSTRUMENTATION AND TESTING  
COMMERCIAL MOTOR VEHICLE ABS BRAKING AND MODIFIED BRAKE CHAMBER FORMULA  
HUMAN FACTORS  
ENERGY METHODS  
ERROR ANALYSIS  
MOTORCYCLE MOMENTUM  
POLE IMPACTS  
ROTATIONAL MECHANICS  
DRAG SLED STUDY

(2006)

CORRELATION OF ROTATIONAL VELOCITY AND LINEAR DISPLACEMENT OVER POST IMPACT TRAJECTORIES  
CRUSH DAMAGE MEASURING TECHNIQUES  
ROLLOVERS  
TRAFFIC ENGINEERING FOR POLICE OFFICERS  
ENERGY ABSORPTION CRASH ATTENUATORS  
POLE STRIKES  
FRICTIONAL FORCES WITH NON-TYPICAL VEHICLES: DONUT TIRE TEST RESULTS; ATV TESTS  
CRUSH ANALYSIS WITH UNDER RIDES AND COEFFICIENT OF RESTITUTION  
VALIDATION OF LOW SPEED OFF TRACKING  
DELTA V  
STAGED CMV CRASHES

Institute of Police Technology and Management  
University Of North Florida  
Jacksonville, Florida

(1997) Crash 97

A Seminar for Traffic Accident Reconstruction

The topics covered includes:

System based energy and momentum

Coefficient of restitution approaching 1

The Reconstructionist as the animator

Commercial vehicle involved under ride collisions

Commercial vehicle collision investigations

Human subject testing & response to low level accelerations

Nighttime vision and reaction times

Rollover accidents

Demonstrative evidence

Water related accidents

Introduction to vectors

Commercial motor vehicle driver fatigue and alertness study

Introduction to the Internet

Participation in: hands on crash testing of rear and side under ride collisions, as well as low speed impacts of both moving and stationary vehicles, including vehicle behavior from such impacts and occupant response.

Texas Engineering Extension Service

Texas A&M university

College Station, Texas

WREX 2000

World Reconstruction Exposition 2000, the largest seminar on Accident Reconstruction held to date, including two days of hands on crash testing and dynamic demonstrations, and three days of classroom lecture by world-renowned experts.

Texas Engineering Extension Service

Texas A&M University

College Station, Texas

(1997-2008) North American Standard Inspection Certification

(Certified DOT commercial vehicle inspector)

U.S. Department of Transportation

Held at Birmingham Police Department Tactical Headquarters (October 1997)

(2003) S.C.A.R.S. / SE.A.R.S Joint Training conference

Four days of training sessions and hands on test crashing and analysis

Charleston, S.C.

(2005) S.C.A.R.S. / SE.A.R.S /S.O.A.R. /S.C.H.P. Joint Training conference

Four days of training sessions and hands on test crashing and analysis

Charleston, S.C.

(2008) Crash Data Retrieval Technician

Collision Safety Institute

Fort Worth, Texas

(2008) Crash Data Retrieval Analyst

Collision Safety Institute

Fort Worth, Texas

(2010) S.C.A.R.S. / SE.A.R.S /S.C.H.P. Joint Training conference  
Four days of training sessions and hands on test crashing and analysis  
Mt. Pleasant, S.C.

(2011) SCARS, SE.A.R.S., IAARS, S.C.H.P. Joint Training conference  
Five days of training sessions and hands on test crashing and analysis  
Mt. Pleasant, S.C.

(2014) CDR Technician Level II

(2014) CDR Train the Trainer class – Certified Instructor in CDR

(2014) CDR Summit – In depth review and update on CDR/EDR technology

(2015) SCARS, SE.A.R.S., IAARS, S.C.H.P. Joint Training conference  
Five days of training sessions and hands on test crashing and analysis  
Mt. Pleasant, S.C.

(2016) Animation and Analysis with FARO HD

(2016) Using Microsoft Excel in Traffic Crash Reconstruction

(2016) WREX2016 World Reconstruction Exposition 2016, the largest seminar on Accident Reconstruction held to date, including two days of hands on crash testing and dynamic demonstrations, and three days of classroom lecture by world-renowned experts.

(2017) recertified in CDR Train the Trainer class – Certified Instructor in CDR

(2017), EDR Summit, Houston, Texas, in-depth review and update on CDR/EDR technology

(2017) SCARS Conference Five days of training classes and hands on crash testing and analysis

(2017) Traffic Crash Analysis Using Virtual Crash Simulation Software – Nashville, TN  
Forensic Training Group

(2018) Heavy Truck Crash Reconstruction including Digital Forensics – Nashville, TN  
Forensic Training Group

(2019) recertified in CDR Train the Trainer class – Certified Instructor in CDR

(2019), EDR Summit, Houston, Texas, in-depth review and update on CDR/EDR technology

**Professional Affiliations:**

Member of National Association of Professional Accident Reconstruction Specialists (N.A.P.A.R.S.) since 1989  
Brandywine, Maryland

Member of South Carolina Accident Reconstruction Society (S.C.A.R.S.)

International Network of Collision Reconstructionists (I.N.C.R.)

CDRToolgroup

Crash Forum

**Other Qualifications**

Accredited by the Accreditation Commission for Traffic Accident Reconstruction (ACTAR)  
Registration #379 ([www.actar.org](http://www.actar.org))  
North Platte, NE 69103-1493

**Work Experience**

1978 – 2002 Police Officer for the City of Birmingham Alabama, assigned to accident investigation / Freeway patrol for most of career.

1974 – 1978: Truck Driver for Street and Sanitation Department, City of Birmingham, Alabama.

Primary responsibilities:

1980 – 1986: Responsible for handling of all situations that occurred on the Interstate system within the city limits of Birmingham, Alabama; and investigation of fatal or serious injury traffic accidents occurring within the city limits of Birmingham, Alabama, on my assigned shift. I was also assigned to assist the City Law Department on cases involving vehicular crashes, and to assist the District Attorney with Traffic Homicide prosecutions.

1989 – 2002: Investigation of all traffic accidents, whether minor or serious, including fatalities, which occur during my shift within my assigned precinct, and assisting other precincts with fatal or otherwise complicated collision investigations.

1994 – 2002 Responsible for preparing, and instructing both entry level and Advanced inservices, Accident/ Fatality investigation schools for the Birmingham Police Department. Also investigation of all traffic accidents, whether minor or serious, including fatalities, which occur during my shift within my assigned precinct, and assisting other precincts with fatal or otherwise complicated collision investigations.

2002 – 2016 Police Officer, City of Fultondale, Alabama

**Other Accomplishments**

I have investigated Thousands of traffic accidents, including hundreds of fatal / serious injury accidents.

I wrote a procedure for fatality investigation that was later (1987) used as the nucleus of the policy for the Birmingham Police Department. I rewrote the policy and procedure in 1998.

I assisted in research and preparing training material and policy for Blood Seizure Following Traffic Collisions for Birmingham Police Department

I have prepared training data and policy for handling collisions involving Commercial Vehicles in view of the state Commercial Vehicle implied consent law.

I wrote a policy for Fultondale Police Department on investigation of fatal crashes and assisted Jefferson County Alabama Sheriff's Department in drafting a policy and forming a response team for the investigation of fatal crashes.

I appeared as the "Expert Witness" at a "Moot" trial for the American Board of Trial Advocates "The Masters in Trial" on two occasions:

12/3/92 The Honorable William J. Lynn, Circuit Court Judge, Jefferson County Alabama, Presiding.

2/18/94 The Honorable Robert B. Harwood, Circuit Judge Sixth Judicial Circuit, Presiding

I have been granted expert status in both Criminal and Civil Courts and have testified in both courts. I have given deposition in civil cases both as the investigating officer and as an independent Consultant for both Plaintiff and Defense.

March 2019