

Jon M. Gonzales
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RESUME

EXPERIENCE

2007-Present ***Santa Fe Police Department***, Patrol Division
(Police Officer III, Crash Team, Auxiliary Traffic Officer, Instructor)

Enforce New Mexico State Statutes and City of Santa Fe Municipal Ordinances. Respond to and investigate calls for service, which included motor vehicle crashes. Crash investigation team duties are to investigate fatal and high profile motor vehicle crashes. Reconstruct crashes when required and prepare cases for testimony in grand jury or district court. Assist the traffic division when needed. Instructor in Basic Crash Investigation and the Uniform Crash Report Form. Train the Trainer in the Uniform Crash Report Form.

2000-2007 ***Impact Dynamics*** (Associate)
(Crash Reconstruction Specialist)

Investigate crash scenes, which include photographing, measuring, and documenting physical evidence. Conduct vehicle inspections and witness interviews. Complete scaled diagrams and provide reconstruction analysis. (Previously O'Brien Accident Investigation and Reconstruction)

2005-2007 ***Los Alamos Police Department***, Patrol Division
(Corporal, Crash Team, Instructor)

Enforce New Mexico State Statutes and Los Alamos County Ordinances. Respond to and investigate calls for service, which included motor vehicle crashes. Crash investigation team duties were to investigate fatal and high profile motor vehicle crashes. Reconstruct crashes when required and prepare cases for testimony in grand jury or district court. Instructor in Basic Crash Investigation and the Uniform Crash Report Form. Train the Trainer in the Uniform Crash Report Form.

2002-2005 ***Santa Fe County Sheriff's Department***, Traffic Division
(DWI/Traffic Officer, Traffic Homicide Investigation Team, Instructor)

Enforce New Mexico State Statutes. Main function is to enforce chapter 66 traffic laws. Investigate motor vehicle crashes. Assist patrol when needed and respond to calls for service. Traffic Homicide investigation team duties were to investigate fatal and high profile motor vehicle crashes. Reconstruct crashes when required and prepare cases for testimony in grand jury or district court. Instructor in Basic Crash Investigation and the Uniform Crash Report Form. Train the Trainer in the Uniform Crash Report Form.

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1998-2002 ***Motor Transportation Division NMDPS***, Patrol Division
(Patrolman, NMSP Reconstruction Team, Instructor, Quality Improvement Team)

Enforce New Mexico State Statutes; primarily chapter 65. Enforce the Federal Motor Carrier Safety Regulations. Perform safety inspections on commercial motor vehicles to ensure they are complying with federal regulations. Evaluate officers on the inspection and inspection process of commercial motor vehicles. Enforce traffic laws and investigate commercial motor vehicle crashes. Duties also included the Investigation of fatal and high profile motor vehicle crashes. Reconstruct crashes when required and prepare cases for testimony in grand jury or district court.

1991-1998 ***Santa Fe County Sheriff's Department***, Criminal Investigations
(Detective, DWI/Traffic Officer, Traffic Homicide Investigation Team, Crash Review Board)

Investigate misdemeanor and felonious crimes. Prepare cases for prosecution in grand jury or district court. Enforce New Mexico State Statutes. Main function is to enforce chapter 66 traffic laws and investigate motor vehicle crashes. Assist patrol when needed and respond to calls for service. Traffic homicide investigation team duties were to investigate fatal and high profile motor vehicle crashes. Reconstruct crashes when required and prepare cases for testimony in grand jury or district court. Crash review board duties were to attend officer's hearings and classify internal motor vehicle crashes.

1988-1991 ***New Mexico Beverage***, Santa Fe
(Driver/Salesman)

Duties included pre-post trip inspection of straight truck and tractor/trailer combinations, operating straight truck and tractor/trailer combinations in all types of weather and having a class "A" commercial driver's license.

1984-1987 ***Pepsi-Cola Bottling Co.***, Santa Fe
(Driver/Salesman)

Duties included pre-post trip inspection of tractor/trailer combinations, operating tractor/trailer combinations in all types of weather and having a class "A" commercial driver's license.

INSTRUCTOR CERTIFICATIONS

DWI / SFST

DWI / SFST Train the Trainer

Drug Recognition Expert

State of New Mexico, Uniform Accident Report Form

State of New Mexico, Uniform Accident Report Form, Train the Trainer

Radar / LIDAR speed measuring instruments

Crash Investigation

*RESUME - JON M. GONZALES**EDUCATION*

- 1981 Santa Fe High School
 Santa Fe, New Mexico 87501
- 1992 New Mexico Law Enforcement Academy (Class #123)
 Police Officer Certification # 92-0169-P
 Santa Fe, New Mexico

SPECIALIZED TRAINING

- 1992 ***New Mexico Law Enforcement Academy***
 New Mexico Department of Public Safety
- Course curriculum included New Mexico motor vehicle law, crash dynamics, locating and measuring of physical evidence, diagramming, and basic crash formulas.
- 1992 ***At-Scene Accident Investigation (80hrs)***
 New Mexico Department of Public Safety
- Course topics included witness interviewing, evidence from roads, speed estimates from skid marks, collision damage analysis, velocity, time-distance, measuring/drawing after accident maps and photogrammetry.
- 1994 ***Technical Accident Investigation (80hrs)***
 Northwestern University Traffic Institute
- Course topics included traffic accident investigative functions, preparation for traffic accident investigation, information from and about people, information from roads, speed estimates from skid marks, collision damage analysis, tire examinations, lamp examinations for on or off, vehicle dynamics (velocity, time-distance, conservation of momentum, and energy), measuring/drawing after accident maps and photogrammetry.
- 1994 ***Traffic Accident Reconstruction I (80hrs)***
 Northwestern University Traffic Institute
- Course topics include the process of traffic accident reconstruction, driving strategy, tactics, perception/reaction, speed estimates for vehicles that fall/vault or flip, steering overcorrection, drag factors/coefficient of friction, derivations of equations, gear position and speed, understanding vehicle behavior, articulated vehicles, conservation of momentum, case presentation, work/energy and speed from damage, use of computers and case studies.

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1994 ***Traffic Accident Reconstruction II (40hrs)***
Northwestern University Traffic Institute

Course topics include reconstruction of motorcycle traffic accidents (braking, drag factors, maneuverability, and kinematics), trigonometry, momentum applications (conservation of momentum, same-direction, opposite-direction and angled collision, impulse), understanding occupant behavior, vehicle-pedestrian and case studies. Santa Fe, New Mexico

1996 ***Crime Scene Processing (16hrs)***
Northern New Mexico Community College

Topics included managing the crime scene, locating, identifying, documenting, preserving, collection and photographing of evidence. Techniques using luminal, super glue and magnetic powder for locating evidence.

1997 ***The Reid Technique of Interviews and Interrogations (24hrs)***
Reid Institute

Course curriculum included legal aspects, room settings, behavior symptom analysis, behavioral analysis interview, baiting techniques and profile of a successful interviewer-interrogator.

1997 ***Pedestrian / Bicycle Accident Investigation (40hrs)***
Institute of Police Technology and Management

Course curriculum includes, included characteristics, older pedestrian problems, accident types and countermeasures, pedestrian injury analysis, pedestrian accident investigation and reconstruction, human factors, my visibility and pedestrian conspicuously, bicycle accident investigation, pedestrian dynamics, vehicle damage analysis. Conducted field crash tests using vehicle-bicycle and vehicle-pedestrian scenarios.

1998 ***Commercial Motor Vehicle Parts and Systems Course (24hrs)***
New Mexico Department of Public Safety

Course curriculum included the identifying of mechanical systems of a commercial motor vehicle which include wheels, fuel, steering, coupling suspension, brake, frame and safe loading. It also included the identifying of wheel, fuel, steering, coupling suspension, brake, frame and safe loading system defects which are in violation of the Federal Motor Carrier Safety Regulations and the North American Uniform Out of Service Criteria.

1998 ***North American Standard Level I (80hrs)***
USDOT / FHA National Training Center

The course curriculum included the inspection of commercial motor vehicle's (e.g., cargo tanks, moving vans, refrigerated trucks) and their drivers. Applying the Federal Regulations during a safety inspection (North American Standard Inspections, I, II, III, IV, V) and the results of the inspection to the North American Uniform Out of Service Criteria.

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- 1998 ***Computerized Traffic Accident Reconstruction Introduction to Edcad (16hrs)***
Northwestern University Traffic Institute
- Course curriculum included the introduction to Edcad, input data requirements, program structure, main screen layout, selecting command, selecting functions, photogrammetry and merging Edvap results. Course included drawing and photogrammetry projects.
- 1998 ***Computerized Traffic Accident Reconstruction Introduction to Edcrash (24hrs)***
Northwestern University Traffic Institute
- Course curriculum included damage classification, earth-fixed/vehicle-fixed coordinate systems, crush profile measurements, specific form of input questions/output data/graphics presentations, calculation profiles, case studies and lab projects.
- 1999 ***General Hazardous Materials (40hrs)***
USDOT / FHA National Training Center
- Course curriculum included the inspection of hazardous materials shipments for compliance with the Hazardous materials regulations. Topics included packaging, markings, labeling, loading, storage, and facility inspections. Applying the violations of the Federal Motor Carrier Safety Regulations to the North American Uniform Out of Service Criteria.
- 2000 ***Inspection and Investigation of Commercial Vehicle Crashes (40hrs)***
Institute of Police Technology and Management, University of North Florida
- Course curriculum included pre/post trip and post crash inspections of commercial vehicles. Brake systems, speed analysis, commercial motor vehicle factors, brake forces, work-energy analysis, determining center of mass, hydroplaning and trailer underride. Applying the violations of the Federal Motor Carrier Safety Regulations to the North American Uniform Out of Service Criteria.
- 2001 ***Cargo Tank / Bulk Packaging (40hrs)***
USDOT / FMCSA National Training Center
- Course curriculum included the inspection of bulk packaging that transport hazardous materials for compliance with the hazardous materials regulations. Topics included test date markings, certification plates, supports, anchors, double bulkhead drains, piping, emergency flow devices, rear end protection overturn protection, venting, low pressure cargo tanks, high pressure cargo tanks, facility inspections, and packaging. Applying the violations of the Federal Motor Carrier Safety Regulations to the North American Uniform Out of Service Criteria.
- 2001 ***Motor Coach Course (24hrs)***
USDOT / FMCSA National Training Center
- Course topics included the applicability of the CVSA regulations, inspection of the interior/exterior/undercarriage and hazardous materials transportation, and Out of Service criteria. Applying the violations of the Federal Motor Carrier Safety Regulations to the North American Uniform Out of Service Criteria.

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2001 **North American Standard Level I, Part A Update (8hrs)**

New Mexico Department of Public Safety

The course curriculum included the inspection of commercial motor vehicle's (e.g., cargo tanks, moving vans, refrigerated trucks) and their drivers. Understanding the Federal Regulations and applying them during a safety inspection.

2001 **North American Standard Level I, Part B Update (4hrs)**

New Mexico Department of Public Safety

The course curriculum included the inspection of commercial motor vehicle's documents and drivers documents. Understanding the Federal Regulations and applying them during a safety inspection.

2001 **New Mexico Commercial Motor Vehicle Updates (6hrs)**

Course topics included Intra-State Compliance Review, Over Size/Over Weight and MVD Commercial Motor Vehicle instructional updates.

2002 **Management of Police Traffic Services (80hrs)**

TACT and Associates

Course curriculum included selective traffic enforcement, managing fatal and serious crashes, leadership for the traffic manager, budgeting, grant writing, media relations, liability, legal concepts, as well as engineering concepts, developments, justifications, and the operation the traffic units.

2003 **Rocky Mountain Crash and DWI Conference (4-Day)**

Denver, Colorado

Conference included topics in physics applications for accident reconstruction, perception/reaction time, mechanical failure, supplemental restraint systems, vehicle fire investigation, ethics in traffic cases, and auto/pedestrian/bicycle accident reconstruction and investigation.

2004 **Federal Motor Carrier and New Mexico State Statute / PRC Updates (8hrs)**

Course topics included cargo securement, log books, out of service, operating authority, NMPRC/MTD rules, NMSA Chapter 65, PRC Article 8 and the Constitution of the State of New Mexico.

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- 2004 ***Standardized Child Passenger Safety Technical Training (24hrs)***
National Highway Traffic Safety Administration
- Course curriculum includes the need for child passenger safety programs, relevant federal legislation and safety standards, crash dynamics, vehicle occupant protection systems, selection and use of child restraint systems, misuse and compatibility issues, safety and other vehicles, organizing and according a child seat checkup event, other occupant protection systems, and other considerations related to child passenger safety. Course included hands-on practice in group discussion.
- 2006 ***Lifesavers Conference***
Austin, Texas
- Conference topics included workshops in the various fields of data and research, child passenger safety, impaired driving, criminal justice, and adult occupant protection.
- 2006 ***Flagger Course (8hrs)***
American Traffic Safety Services Association
Registered Flagger (04/20/2010)
- The course curriculum included flagger safety and flagging techniques. Proper use and placement of traffic control devices per the Manual of Uniform Traffic Control Devices.
- 2007 ***Lethal Weapon; Vehicular Homicide Training (24hrs)***
Administrative Office of the District Attorney's
- Course involved lecture on successfully prosecuted vehicular homicide cases involving alcohol. Practicals on successfully presenting a vehicular homicide case. Officer investigation and testifying techniques.
- 2007 ***Commuter Rail Safety and Emergency Preparedness Training (8hrs)***
New Mexico Rail Runner Express
- Course included topics in the territory of the railway system in New Mexico, emergency contacts, right of ways, flagging, emergency responders, crew orientation, equipment recognition, on board emergency equipment, emergency windows and doors, equipment diagrams, passenger cars, locomotives on the Amtrak and Rail Runner passenger train systems.
- 2008 ***Motorcycle Safety Course (3-days)***
Motorcycle Safety Foundation
- Course curriculum included basic riding skills, motorcycle controls, braking and turning procedures, emergency maneuvers, road conditions, as well as alcohol and the motorcycle rider.

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2008 ***Police Motorcycle Training (80hrs)***
Albuquerque, Police Department

Course involved formations, escorts, motorcades, high speed driving, stopping and evasive maneuvers, riding at night, off-road riding, normal and high risk traffic stops, use of firearms and pre-trip inspections.

2008 ***Special Problems in Traffic Crash Reconstruction (24hrs)***
TACT and Associates

Course focused on Train, Motorcycle and Pedestrian Collisions. Curriculum included topics in train braking systems, train vehicles and stages of crossing. Motorcycle nomenclature, dynamics, mechanics and crash scene considerations. Pedestrian biomechanics, mechanisms of injury, collision events and falls, flips and vaults of pedestrians. Each topic included methods, formulas and case studies.

2009 ***DWI / Vehicular Homicide Investigation (8hrs)***
TACT and Associates

Course involved lecture in managing, supervising and gathering information related to impaired driving and fatal crash investigations towards a successful prosecution.

MISCELLANEOUS

2000 Developed a lesson plan in Basic Accident Investigation at the request of the Motor Transportation Division Deputy Chief. Had the following course accredited through the New Mexico Law Enforcement Academy. Instructed the course through out the State of New Mexico. Basic Accident Investigation (#0308-00A)

2001 Worked in conjunction with the New Mexico Highway and Transportation Department in the revision of the State of New Mexico's Uniform Crash Report, Truck/Bus Supplemental Report and Instructional Manual. I developed the following lesson plans and had the courses accredited through the New Mexico Law Enforcement Academy. Instructed the courses through out the State of New Mexico.
UAR Truck/Bus Supplement Form Train the Trainer (9048-01A)
UAR Truck/Bus Supplement Form (9048-01B)
Uniform Accident Report Form Train the Trainer (1131-01A)
Uniform Accident Report Form (1131-01B)