

Samuel R. Terry

Las Vegas, NV 89012

(702) 994-9540

PROFESSIONAL EXPERIENCE

2004 – Present Exhibit-A, Henderson, Nevada
Owner

Dedicated to providing high quality, high accuracy motor vehicle crash analysis in a timely and cost-effective manner. Generate demonstrative accident site drawings and vehicle profiles used for illustrating an expert's opinions during depositions, trials or analysis. Utilize the latest technology to collect accident site geometric data and physical evidence for use in constructing detailed AutoCAD renderings of the accident scene. Develop vehicle crush profiles for use in crush energy calculations. Accomplish line-of-sight determination. Locate and document exemplar vehicles. Provide photographic documentation of all services.

- Forensic Mapping – Robotic EDM
- Rapid Response Site and Vehicle Inspections
- High Resolution Courtroom Exhibits
- Reconstruction, Analysis and Technical Diagrams
- Crush Measurements
- Commercial Vehicle Accidents
- Air Brake Analysis
- Seatbelt Loading
- Photogrammetry
- Line of Sight Analysis
- Exemplar Inspections
- Skidmark Analysis
- Time/Distance Analysis
- Lamp Examinations
- Conservation of Momentum
- Vehicle Dynamics
- Fire Investigation
- Roll-overs
- Perception/Reaction
- Photography and Video
- PDOF Determination

Perform full vehicle performance testing in accordance with SAE, FMVSS, ISO, FMCSR and ASTM for passenger car, light truck, heavy truck and motorcycle. Design custom tests suitable for replicating specific crash related events.

2000 – 2005 Nevada Automotive Test Center, Carson City, Nevada
Consultant – Program Manager

Perform vehicle stability and handling evaluations including end-limit maneuvers and roll-over determination on passenger cars, light trucks, commercial vehicles and equipment. Analyze vehicle static and transient response through both subjective and objective evaluations. Accomplish complete accident reconstructions including site and vehicle inspections, analysis, documentation and final report development. Responsible for proposal writing, test planning, instrumentation, testing, data processing, analysis and preparation of final reports. Perform data analysis and suggest/implement design changes. Driver training instructor for 2 and 4-wheel drive light trucks and class 8 heavy trucks.

1997 – 2000 Verifact Corporation, San Antonio, Texas
Accident Analyst / Engineering Technician

Conducted accident investigations, performed analysis and accomplished complete vehicle accident reconstructions. Responsible for deciphering roadway evidence, accomplishing electronic site surveys, vehicle damage inspection and documentation, complete accident diagrams, conduct analysis and preparation of final reports. Accomplish analysis in the areas of: linear and rotational momentum, speed determination from tire marks and/or crush, work, force and energy analysis and speed change “delta-V” using EDCRASH. Performed failure analysis on vehicle systems including: structural, electrical, drive train and suspension. Performed static loading and dynamic impact tests on vehicles and components.

EDUCATION AND TRAINING

- Bachelor of Science (B.S.) Degree in Industrial Technology – Texas State University (Formerly Southwest Texas State University) San Marcos, Texas. May 1997
- Leica Scan Station Training, Training on the Leica Scan Station 1 and corresponding Cyclone software utilization. Long Beach, CA, October 2007
- Vehicle Accident Reconstruction Methods, SAE International, Detroit, MI, August 2005
- Conducting Vehicle Handling Maneuvers - Hands-on training course with Doug Milliken, Carson City, NV, June 2005
- Heavy Truck Handling Symposium, SAE International, Greenville SC, May 2005
- Passenger Vehicle Rollover, Causes, Prevention and Injury Prevalence, SAE International, Scottsdale, AZ, April 2002
- Vehicle Dynamics for Passenger Cars and Light Trucks
SAE International, Detroit, MI, June 2001
- Hydraulic Brake Systems, SAE International,
- Commercial Vehicle Inspection / Investigation
Texas A&M University, Houston, TX, October 1999
- Accident Investigation II
Northwestern University, Evanston, IL, October 1998
- Commercial drivers license (CDL) with endorsements for tankers, doubles and triples
Completed February 2001

AFFILIATIONS AND PUBLICATIONS

- Member, Society of Automotive Engineers (SAE)
- Co-author, “A Discussion on Using a Pendulum as a Method for Impact Testing Vehicle Sub-systems” SAE 2002-01-0687

SYNOPSIS

Mr. Terry has extensive knowledge and experience in the areas of engineering and accident reconstruction. He has been involved in the documentation, analysis, and reconstruction of over three hundred vehicle accidents. His experience includes the most advanced methodology for forensic scene mapping, line of sight studies, time and motion analysis, speed/distance analysis and rollovers. Mr. Terry has extensive vehicle knowledge with expertise in all vehicle systems including air brakes, lamp examination, tire analysis and seat belt loading. He has been operating as a vehicle dynamics consultant to perform vehicle stability and handling maneuvers on motorcycles, passenger cars, light trucks, class 5,6,7 and 8 trucks and specialty prototype vehicles.

Mr. Terry has instructed many driver training classes for the United States Border Patrol (homeland defense) including on and off-road handling classes on 2 and 4-wheel drive SUV and specialty use vehicles. Additionally, Mr. Terry has instructed Class-8 stability and handling classes for heavy-truck manufacturers including dynamics and response analysis for semi's with high CG and live (sloshing) loads.