

RESUME

RENE LUJAN, M.S.C.E., P.E.

EXPERIENCE

Accident Reconstructionist: TNM Engineering, LLC, El Paso, Texas.

November 2008 - Present

Provide traffic accident reconstruction and analysis services to insurance companies and law firms.

Accident Reconstructionist: TNM Engineering and Accident Reconstruction, El Paso, Texas.

February 1997 – October 2008

Provide traffic accident reconstruction and analysis services to insurance companies and law firms.

Accident Reconstructionist: Evans & Associates, Inc., Las Cruces, New Mexico.

February 1986 - February 1997

Provide traffic accident reconstruction and analysis services to insurance companies and law firms.

Conduct building condition assessments for insurance, real estate companies and property owners.

Engineer Assistant: New Mexico Department of Transportation.

June 1984 - February 1986

Assistant to Project Manager in management of various highway construction projects.

Responsibilities included construction specification compliance, materials testing, traffic control design, traffic control inspection, field design revisions, cost estimating, construction surveying, manpower scheduling and training.

Engineer Intern: New Mexico Department of Transportation.

January 1983 - June 1984

Completed engineer rotation training program developed to introduce interns to all facets of highway engineering, design and construction. Sections included highway construction, maintenance, technical services, aerial and land surveys, construction management, maintenance management, traffic design, materials lab and highway design.

Co-op Construction Engineer: Houston Lighting and Power.

January 1981 - June 1981

South Texas Nuclear Power Plant Construction Project. Job responsibilities included quantity take-offs for construction activities, NCR trending, procedural research, and office facilities design (T.C.A.).

EDUCATION

Master of Science, Civil Engineering – Structural Mechanics, New Mexico State University, May 1987.
Thesis – Chloride Ion Penetration of Slurry Infiltrated Fiber Reinforced Concrete. Minor, Industrial Engineering.

Bachelor of Science, Civil Engineering – Structural Mechanics, New Mexico State University, December 1982. Minor, Industrial Engineering.

REGISTRATIONS/LICENSES

State of Texas Professional Engineer, No. 66587.

State of New Mexico Professional Engineer, No. 10697.

State of Oklahoma Professional Engineer, No. 20576.

Licensed Private Pilot.

SPECIALIZED TRAINING/CONTINUING EDUCATION

National Safety Council, Defensive Driving Course, Santa Fe, New Mexico, 1984.

New Mexico State University, Department of Criminal Justice, “Traffic Accident Reconstruction” course, Santa Fe, New Mexico, 1986.

TranSafety, Inc., Highway Hazard Seminar, New Orleans, Louisiana, 1987.

National Conference on Highway-Rail Safety, Denver, Colorado, 1987.

Northwestern University, The Traffic Institute, “Measuring At the Scenes of Traffic Accidents” correspondence course, 1987.

TrukSafe America Risk Management, Inc., Articulated Vehicles, Phoenix, Arizona, 1988.

ATSSA (American Traffic Safety Services Association), “Work Site Supervisors’ Course”, Pueblo, Colorado, 1989.

University of Wisconsin, “Preventing Building Design & Construction Failures”, Madison, Wisconsin, 1989.

Northwestern University, The Traffic Institute, “Traffic Accident Reconstruction I” course, Evanston, Illinois, 1991.

American Society of Civil Engineers, “Condition Assessment of Existing Buildings”, San Diego, California, 1993.

University of Wisconsin, “Preventive Maintenance of Buildings and Grounds”, Madison, Wisconsin, 1994.

SPECIALIZED TRAINING/CONTINUING EDUCATION – CONTINUED

IASIU (International Association of Special Investigation Units) Annual Seminar, Tucson, Arizona, 1996.

Society of Automotive Engineers, "Passenger Car Rollover TOPTEC: Cause & Prevention", January 1999, San Diego, California.

Vetronix Corporation, Crash Data Retrieval (CDR) Training Seminar, June, 2001, Santa Barbara, California.

Northwestern University, The Traffic Institute, "Traffic Accident Reconstruction II" course, Evanston, Illinois, October 2001.

Society of Automotive Engineers, "Vehicle Dynamics for Passenger Cars and Light Trucks", Troy, Michigan, December 2003.

Society of Automotive Engineers, "Occupant and Vehicle Kinematics in Rollovers", Troy, Michigan, November 2004.

Macinnis Engineering, PC Crash Intro-Workshop, Vancouver, British Columbia, August 2005.

Wagner Training Institute, "Communication Diagnostics with Cat Electronic Technician", El Paso, Texas, October 2005.

Collision Safety Institute, "ARC-CSI Crash Conference", Las Vegas, Nevada, June 2007.

American Society of Civil Engineers, "Sight Distance", Webinar, El Paso, Texas, June, 2009.

American Society of Civil Engineers, "Safety Aspects of Timing Traffic Signals", Webinar, El Paso, Texas, July 2009.

Collision Safety Institute, "Crash Data Retrieval (CDR) Technician Course", El Paso, Texas, September 2009.

Collision Safety Institute, "Bosch/Vetronix Crash Data Retrieval (CDR) Data Analyst Course", El Paso, Texas, September 2009.

University of Tulsa, "How to Interpret Commercial Vehicle Event Data Recorders", Tulsa, Oklahoma, November, 2010.

Vericom Computers Inc, "Vericom Familiarization, Accelerometer and other Sensors for Traffic Crash Investigation" San Antonio, Texas, April 2012.

Society of Automotive Engineers, "Applied Vehicle Dynamics" Greer, South Carolina, May 2012.

Faro, "Faro Laser Scanner", El Paso, TX, February 2013

Faro, "2nd Annual 3D Laser Scanning Conference" October 2013

SPECIALIZED TRAINING/CONTINUING EDUCATION – CONTINUED

ASCE, "Complying with the MUTCD: Traffic Signing for Horizontal Curves" Webinar Nov 2014

Society of Automotive Engineers, “Basic Tire Mechanics and Inspection”, Troy, Michigan, April 2015

Society of Automotive Engineers, “Tire Forensic Analysis”, Troy, Michigan, April 2015

**ASCE, "Regulatory and Warning Signs - Providing Answers to Common Citizens Requests" Webinar
December 2015**

**ASCE, "Permeable Pavement - Design Considerations and Tips for Avoiding Failures" Webinar,
December 2015**

**ASCE, "Engineering Treatments and Design Development Strategies for Creating Safe Routes to
Schools" Webinar, December 2015**

**ASCE, "Developing, Implementing & Managing a Comprehensive Citywide Traffic Signal
Coordination Program" Webinar, December 2015**

ASCE, "Analysis and Assessment of Roundabouts" Webinar, December 2016

**ASCE, "Prevent Accidents and Traffic Delays-The Art of Delivering and Maintaining Successful
Signal Timing Improvements" Webinar, December 2016**

**ASCE, "Next Generation Street and Traffic Control Device Design for Central Business Districts and
Town Centers, Pt 1" Webinar, December 2016**

**ASCE, "Next Generation Street and Traffic Control Device Design for Central Business Districts and
Town Centers, Pt 2" Webinar, December 2016**

Collision Safety Institute, Collision Publishing "EDR Summit" Houston, March 2017

ASCE, "Environmental Issues and Mitigation for Low Volume Roads" Webinar, November 2017

ASCE, "Automated Public Transit Systems: Best Practices and Potential Future" Webinar, Dec 2017

LECTURER

**“Basic Elements of Accident Reconstruction” New Mexico State Highway & Transportation
Department, Santa Fe, NM, 1987.**

**“Advanced Accident Reconstruction”, New Mexico State Highway & Transportation Department,
Santa Fe, NM, 1989.**

**“Traffic Safety Engineering – Driver Expectancy”, Institute of Transportation Engineers’ Annual
Meeting, Orlando, FL, 1990.**

LECTURER-CONTINUED

“Automobile Accident Reconstruction – Reconstruction Techniques & Special Topics”, continuing education seminar, State Farm Insurance Company, El Paso, TX, 1993.

“Automobile Accident Reconstruction – Reconstruction Techniques & Special Topics” continuing education seminar, Allstate Insurance Company, El Paso, TX, 1993.

“Automobile Accident Reconstruction – Reconstruction Techniques & Special Topics”, continuing education seminar, State Farm Insurance Company, El Paso, TX, 1994.

Texas Association of Defense Council, Inc., Trial Academy. Trial problem participating accident reconstruction expert witness, Lubbock, TX, 1995.

“Automobile Accident Reconstruction – Special Topics”, continuing education seminar, 1997 West Texas Arson/Fraud Seminar, State Farm Insurance Company, Midland, TX, 1997.

"Automobile Accident Reconstruction - Special Topics", continuing education seminar, Allstate Insurance Company, El Paso, TX, 1998.

"Automobile Accident Reconstruction - Special Topics", continuing education seminar, Allstate Insurance Company, El Paso, TX, 1999.

"Automobile Accident Reconstruction - Special Topics", continuing education seminar, Allstate Insurance Company, Midland, TX, 1999.

"Automobile Accident Reconstruction - Special Topics", continuing education seminar, SW Electric Claims Exchange Conference, Sponsored by El Paso Electric Co., El Paso, TX, 2000.

"Automobile Accident Reconstruction - Special Topics", continuing education seminar, Allstate Insurance Company, El Paso, TX, 2000.

“Automobile Accident Reconstruction - Special Topics”, continuing education seminar, State Farm Insurance Company, El Paso, TX, 2001.

"Black Box Data & Accident Reconstruction, Auto Theft/Keyless Entry," NICB/State Farm 7th Annual Seminar, El Paso, TX, 2002.

"Automobile Accident Reconstruction - Special Topics II", continuing education seminar, Allstate Insurance Company, El Paso, TX, 2002.

PROFESSIONAL SOCIETIES

ASCE – America Society of Civil Engineers.

SAE – Society of Automotive Engineers.

ITE - Institute of Transportation Engineers.

ATSSA - American Traffic Safety Services Association.