

CARLA J. WERDER, PE

ACTAR Certified



CONTACT

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SUMMARY

Over 30 years of experience in the field of Accident Reconstruction. Completed over 830 hours of formal training in Accident Investigation, Advanced Accident investigation, Advanced Accident Reconstruction, Commercial Motor Vehicle Crash Investigation, Pedestrian and Bicycle Crash Investigation, Biomechanics of Accidental Injury, Head and Neck Injury, Occupant Kinematics and Crash Animation, and Human Factors in accident reconstruction, through the University of North Florida's Institute of Police Technology and Management, Engineering Dynamics Corporation, Texas Engineering Extension Service, Crash Safety Solutions, WREX and ARC-CSI Conferences, and the Society of Automotive Engineers.

AFFILIATIONS

Licensed Professional Engineer
Registration No. 29559 | 1994
State of Colorado

Nationally Certified
Accident Reconstructionist
Registration No. 680 | 1995
Accreditation Commission for
Traffic Accident Reconstruction

National Association of
Professional Accident
Reconstruction Specialists
Associate Member | 1995

Society of Automotive Engineers
Member | 1993

National Society of
Professional Engineers
Member | 2011

The American Society of
Mechanical Engineers
Associate Member | 1985

DEGREE

Bachelor of Science | Mechanical Engineering | Colorado State University | 1986

EXPERIENCE

Forensic Engineer & Principal | Werder Forensics | Littleton, CO | Est. 2023
Investigation and reconstruction of motor vehicle, pedestrian, bicycle, toy vehicle and commercial motor vehicle accidents to determine factors contributing to causation and injury severity. Conduct vehicle and site inspections, and accident related research. Perform engineering analyses, develop conclusions, prepare expert reports, and testify relative to findings.

Forensic Engineer | Alcorn & Assoc. | Littleton, CO | 1992 to present
Developed over 30 years of experience in accident investigation and reconstruction. Investigated 1000s of accidents, under the tutelage of the principal, Thomas L. Alcorn, PE. Continuing responsibilities of investigation and reconstruction in support of the principal engineer. Conduct research, perform engineering analyses, and prepare expert reports.

Product Development Engineer | Gates Rubber | Denver, CO | 1986- 1992
Directed application of engineering concepts in the development of new and innovative belt products, manufacturing processes, test methods and procedures. Coordinated project assignments to meet specific customer and marketing objectives. Analyzed and provided recommendations for application and manufacturing problems. Investigated and disseminated information about competitive products.