

Robert S. Hoit, B.S.

Ponderosa Associates, Ltd.
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Education

B.S. Industrial Sciences, 1988 Colorado State University, Fort Collins, Colorado
Specialized in construction engineering, management, and business.

Experience

Accident Reconstruction – Ponderosa Associates, Ltd., Westminster, Colorado (03/2000 – Present)

Accident Reconstruction

Performs reconstruction of accidents including automobiles, pedestrians, motorcycles, and tractor-trailers. Experience in reconstruction includes: vehicular inspections, analysis of crush damage, restraint systems, driver perception and reaction, vehicle dynamics, time/space relationships and analysis, headlamp filament examination, accident scene survey, calculations and analysis using the concepts of physics, AutoCAD, MathCAD, Microsoft Excel, and HVE-3D.

Engineer Tech – Knott Laboratory, Inc., Englewood, Colorado (08/1996 – 03/2000)

Investigation / Inspection

Inspection of motor vehicles, including: cars, trucks, trailers, tractor-trailers, and motorcycles, involved in low and high-speed accidents. Investigation of accident scenes to examine physical evidence, visibility, speed limits, and road profiles for accident reconstruction analysis.

Construction claims and failures including roofing hail analysis and construction defects.

Project Engineer – Phelps • Tointon Mill Work, Fort Collins, Colorado (07/1995 – 08/1996)

Executed the duties of Project Engineer and on-site Superintendent for the commercial millwork installation of Elkhorn Lodge and St. James Place in Beaver Creek Colorado.

Chief Estimator / Project Engineer – Fall River Construction, Fort Collins, Colorado (1994 – 1995)

Project management, estimating, marketing, and sales for commercial drywall and steel stud construction projects along the Colorado Front Range.

Project Manager / Superintendent – Easton Construction Management, Denver, Colorado (1993 – 1994)

Executed the duties of Project Manager and on-site Superintendent for the successful completion of 32,000 s.f. of commercial construction tenant finish work.

Project Engineer –DCI General Contractors, Long Beach, California, (1988 – 1992)

Executed the duties of Project Engineer for the successful completion of 180,000 s.f. of commercial construction tenant finish work. As Project Engineer, supported the project team in the construction of a \$3M research building and support annex for the Harbor UCLA Medical Center.

Certifications

- SAE : Accessing and Interpreting Heavy Vehicle Event Data Recorders, Ventura County Fire Department, Oxnard CA, 10/25/2016 ~ 10/28/2016
- Bosch/Vetronix Data Retrieval (CDR) Data Analyst Course 12/12/2008
- Crash Data Retrieval Technician Course 12/08/2008
- Technician and Instructor Update/Refresher, Colorado Child Passenger Safety Program, 2/18/05
- Tire & Wheel Safety Issues, Troy, MI, Society of Automotive Engineers (SAE) 8/06/2004
- The Tire as a Vehicle Component, Troy, MI. Society of Automotive Engineers (SAE) 08/05/2004
- Certified Traffic Accident Reconstruction, ACTAR #971
- Certified Child Passenger Safety Technician, NHTSA 2000-2007
- Traffic Accident Reconstruction, Rocky Mountain Institute for Transportation Safety 11/8/2002
- Braking Performance of Heavy Commercial Vehicles, Society of Automotive Engineers (SAE) 9/27/2002
- Advanced Technical Accident Investigation, Rocky Mountain Institute for Transportation Safety 5/3/2002
- Construction B Supervisor Certificate, City and County of Denver June 1996 – 1999
- Fall Protection & Competent Person Training, NSP and Safety Services 1/30/1995
- Apprentice Electrician, Colorado State Electrical Board 7/8/1988

Conferences and Seminars

- CDR Summit, Crash Data Retrieval User's Summit, 1/26-28/2015
- HVE Forum by Engineering Dynamics Corporation (26 hours), 2014
- CC 01 Introduction to Electronic Technician (ET), Wagner Equipment, Lafayette, CO 10/12/2006
- HVE Forum, Engineering Dynamics Corporation, Las Vegas, NV 4/28/2003
- "Accident Reconstruction", Speaker, Ponderosa Associates, Ltd. Lafayette, CO 10/17/2001
- "High Speed Accident Investigation", Speaker, Knott Laboratory, Inc. Denver, CO 3/25/1999
- "Low Speed Accident Investigation", Speaker, Knott Laboratory, Inc. Denver, CO 10/23/1997
- "Vehicle Accident Investigation", Speaker, Knott Laboratory, Inc. Denver, CO 10/2/1997
- Fundamentals of Plumbing Inspection, International Conference of Building Officials 7/15/1997
- Fundamentals of Mechanical Inspection, International conference of Building Officials 7/14/1997

Professional Memberships

Society of Automotive Engineers (SAE)
National Association of Professional Accident Reconstruction Specialists, Inc.- (NAPARS)