



PROFESSIONAL RESUME

HERBERT C. NEWBOLD, P.E.

1436 Main Street
Louisville, CO 80027
Voice 303-666-8811
Fax 303-666-8998

PERSONAL:

Date of birth – February 26, 1960.
Married.

EDUCATION:

B.S. – Mechanical Engineering, University of Colorado at Boulder, 1983

PROFESSIONAL ENGINEERING CONSULTATION

- **Accident Reconstruction**
Motor vehicle: Automobile, Truck, Bus
Recreational Vehicles: Motorcycle, ATV, Snowmobile, Bicycle, Watercraft
Construction / Heavy equipment
Pedestrian
- **Failure Analysis**
Automotive, truck and bus mechanical failure
Recreational vehicle mechanical failure
Construction and industrial equipment failure
- **Design and Testing**
Product development
Safety analysis
Test fixture design and fabrication
- **Reconstruction Capabilities**
Accident scene survey
Vehicle damage documentation
Visibility
Driver Response
Vehicle performance characteristics
Vehicle/occupant dynamics

PROFESSIONAL AFFILIATIONS

- Registered Professional Engineer, State of Colorado
- Certified - Traffic Accident Reconstruction – ACTAR #719 (1996-2000)
- Society of Automotive Engineers (SAE)
- American Society of Mechanical Engineers (ASME)

PROFESSIONAL EXPERIENCE

2000-Present

Consulting Mechanical Engineer, Impact Consulting Engineers
President: 2000-Present

Provide mechanical engineering consultation in accident reconstruction, failure analysis, product liability and mechanical design and testing with special emphasis on motorcycle accident reconstruction, design and testing

1983 –2000

Consulting Mechanical Engineer, Ponderosa Associates
Vice-president: 1990-2000

Engineering consultation in accident reconstruction, failure analysis, and mechanical design and testing.

Prior Work Experience:

Industrial Equipment Designer/Fabricator
Machinist
Land Surveyor
Automotive/Heavy Equipment Mechanic

NOTABLE PROJECTS

- **GUEST LECTURER**
University of Colorado College of Engineering
University of Colorado College of Law
University of Denver College of Law
Colorado Trial Lawyers Association
American Trial Lawyers Association
National Institute for Trial Advocacy
- **AMERICAN NATIONAL STANDARD INSTITUTE (ANSI)**
Member, Standards Committee for Specialty Vehicle Institute of America (SVIA) for Four Wheel All-Terrain Vehicles (ATV's).
- **CONSUMER PRODUCTS SAFETY COMMISSION (CPSC)**
Consultant to the engineering department for the design, performance and safety of all-terrain vehicles.
- **NATIONAL ASSOCIATION OF ATTORNEYS GENERAL (NAAG)**
Technical advisor for NAAG ATV Task Force Group focusing on vehicle design, safety and development of appropriate performance standards.
- **NEOPLAN BUS COMPANY**
Design and testing of transit bus structure and suspension systems, vehicle performance, crashworthiness and failure analysis.
- **LANGE SKI BOOT**
Development of instrumentation to measure ski boot performance parameters. Testing for effect of boot configuration on body position.

HONORS

- **LINCOLN ARC WELDING FOUNDATION**
Recipient of Outstanding Achievement Award in Design Engineering