



JAMES V BERTOCH
SENIOR ENGINEER
TRANSPORTATION AND PRODUCT GROUP

BS, Mechanical Engineering, 1990
MS, Mechanical Engineering, 1995
Registered Professional Engineer

Jim is responsible for technical investigations involving motor vehicle accident reconstruction and failure analysis investigations.

Mr. Bertoch has spent the past 9 years working in the recreational vehicle industry focusing on trailer sway, towability and handling. Prior to that Jim worked in the testing and evaluation of consumer products for five years and spent two of those years working in the Consumer Products Safety Commission combustion laboratory.

Materials testing and evaluation including development of stress strain curves, modulus of elasticity and bending modulus for composites and polymers. Recreational vehicle durability evaluation of components in addition to full-scale vehicle testing. FMVSS and SAE requirements and evaluation for recreational vehicles including seat belts, flame spread, lighting, and hitches.

Consumer product testing and evaluation including plumbing fixtures and fittings, piping, combustion appliances.

Areas of Specialization

- Consumer Product Failure Analysis
- Trailer Stability Assessment
- Combustion Appliance Failure
- Carbon Monoxide Poisoning

Professional Associations

MEA staff are members of various professional organizations. A current listing can be found on our website www.meaforensic.com.

Research

- Trailer Sway
- FMVSS 210 Seat Belt Retention
- Composite stress strain curves
- Camping Heaters and CO Poisoning
- Lead leaching from faucets
- Air Exchange Rates

Patents

- Travel Trailer Chassis with Extended Axle Support, Patent #6,652,003
- Light Weight Chassis and Hull, Patent #7,390,052
- Articulating Interlocking Structural Extrusions for Recreational Vehicles, Patent Pending

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