

# **Madden Accident Analysis & Forensic Engineering**

**James D. Madden, P.E.**

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We work with accidents in the following Specialties:

- Products and Equipment
- Premises and Property Safety, including Slips, Trips and Falls
- Traffic Accidents, including Roadway & Highway Design, Construction and Maintenance issues potentially involved in Traffic Accidents
- Chemicals, Gases and Materials
- Industrial, Commercial and Construction Workplace Accidents
- Fires and Explosions involving Equipment and Industrial & Commercial Facilities
- Hazardous Combustion, including Combustion Equipment Malfunction and Combustion Equipment and HVAC Operation causing CO Poisoning

We analyze these accidents using Principles of Engineering and Principles of:

- Human Factors
- Safety Design
- Safety Practice
- Safeguarding
- Warnings
- Codes and Standards

Services include:

- Investigation of Accident Sites, Facilities and Equipment
- Safety Analysis of Equipment and Facilities
- Engineering Analysis of Accidents
- Accident Reconstruction, including Traffic Accident Reconstruction
- Reports and Affidavits
- Testimony in Trials, Arbitrations, Hearings and Depositions

Qualifications of James D. Madden, P.E. include:

- the last 30 years working as a Forensic Engineer
- previous 17 years: □ doing Engineering Design of Equipment and Facilities  
□ working in Industrial Operations □ working in Construction Engineering

as a Forensic Engineer:

- writing over 600 Expert Reports and 60 Affidavits
- testifying in over 75 Trials, Arbitrations and Hearings, and over 90 Depositions

with Credentials and Education including:

- Professional Engineers' license (P.E.)
- Bachelor's and Master's Engineering degrees and post-degree courses in Mechanical Engineering, Chemical Engineering, Engineering Mechanics, Physical Sciences and Normal Psychology
- a complete set of courses in Traffic Accident Investigation and Reconstruction
- extensive Continuing Education in various subject areas of the Forensic Practice

***A complete Curriculum Vitae is available at the website: [www.maddenforensic.com](http://www.maddenforensic.com).***