

**JOHN E. MUSE, P.E.**  
President  
John Muse & Associates, Inc.  
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## **REGISTRATIONS AND ACCREDITATIONS**

Civil Engineer - California #C31250, 1980 to Present; Nevada #5934, 1981 to Present; Professional Engineer - Ohio #E-41895, 1977 to Present  
Accredited Accident Reconstructionist #345, 1993 to Present; Accreditation Commission for Traffic Accident Reconstruction (ACTAR)  
Crash Data Retrieval (CDR) System Operator Certification, February 2006

## **EDUCATION**

Bachelor of Science, Civil Engineering, University of Illinois, Champaign-Urbana, 1972; Highest Honors  
Master of Science, Civil Engineering, University of Illinois, Champaign-Urbana, 1973  
Business class, Cypress College, Cypress, California, 1980  
M.B.A. classes, California State University, Long Beach, California, 1981  
Biomechanics, University of California, Riverside, California, 2003  
Whiplash and Brain Injury Traumatology, Module 2, 2007  
Human Biomechanics of Trauma Institute, 2007, 2008

## **SUPPLEMENTARY COURSES AND CONFERENCES**

Advanced Accident Investigation Course, Los Angeles Police Department, 1980  
Conferences, Seminars and Research in Engineering, Accident Reconstruction and Biomechanics

## **ORGANIZATIONS**

Accident Reconstruction Communications Network, Member 2000, 1999 to Present  
Institute of Transportation Engineers, Member 7058, From 1973 to Present; Fellow 2006 to Present  
National Association of Professional Accident Reconstruction Specialists, Member 32194, From 1983 to Present

## **EXPERIENCE**

Expert in accident reconstruction, biomechanics, transportation, human factors, safety and civil engineering, plus business and computer applications, throughout the United States and Canada.

Accident reconstruction expert witness services have included analysis of many vehicular, bus, truck motorcycle, pedestrian fall, bridge, roadway, railroad, building

safety, amusement park, parking lot, speed bump/hump, wheelchair, aviation facility and product liability accidents, including biomechanical analysis and computerized animation. Recognized as an expert in Municipal Court, Superior Court in many states plus Federal Court, in both civil, criminal and worker's compensation matters.

Transportation engineering projects have included many traffic impact studies, safety studies, parking lot studies, traffic signal design, pedestrian studies, aviation safety analysis plus railroad traffic control plans.

Civil engineering projects have included designs for streets, rural highways, freeways, parking lots, bikeways, pedestrian facilities, railroads, bridges, street lights and subdivisions, plus led sign, surveying and property ownership analysis.

Computer and business applications have included time-space diagram programs, the installation of the first program in the State of California to plot collision diagrams, accident reconstruction, biomechanical analysis, accident animation, economic analysis, noise analysis and business management programs.

### **CURRENT AND PREVIOUS POSITIONS**

1983-Present; President, John Muse & Associates, Inc.

1980-1983; Director of Engineering, Wayne T. Van Wagoner & Associates, Inc.; Consulting Engineers; Los Alamitos, California

1979-1980; Associate, MPA, Inc.; Consulting Engineers; Fullerton, California

1973-1979; Project Engineer, Burgess & Niple, Limited; Consulting Engineers; Columbus, Ohio

### **PAPERS AND PRESENTATIONS**

\*Crouse, Russell F. and Muse, John E., "Traffic Signal Coordination... A Method For Saving", Cities & Villages, November, 1975.

\*Muse, John E., "Reducing the Risk of Litigation and Improving Roadway Safety"; Institute of Transportation Engineers, Bakersfield; American Public Works Association, Merced and Sunnyvale.

\*Muse, John E. and Johnson, Norman R., "Hard Facts Convince the Juries", Orange County Claims Managers Association, Tustin.

\*Muse, John E., "Effectively Coordinating With A Biomechanical Engineer", California Chiropractors Association, Long Beach; Riverside County.

\*Muse, John E., "Use of Biomechanics In The Real World", Vanguard University, Costa Mesa, CA

\*Muse, John E., "Investigative Writing", Vanguard University, Costa Mesa, CA

August 1, 2013