

Robert F. Douglas, P.E.

SINCE 1988, TESTIFYING ON AND SPECIALIZING IN:

Traffic Engineering; Design of Roadways (Highway, Street & Off Road Facilities); Design of Roadside Slopes, Barriers, Guardrail, and Objects near the Road; Roadway Construction; Off Road Safety; Accident Reconstruction Including Low Light and / Photo / Video / Computer Animations, PC-Crash, and Wet Weather Accidents; Human Factors Including Perception Reaction, Lighting, Visibility; High Definition Laser Surveys of Accident Locations & Laser Scans of Vehicle Crush

Registration:

Professional Engineer
California & Arizona

Professional Experience:

California Department of Transportation

Branch Chief & Senior District Traffic Engineer
Branch Chief & Senior Project Management Engineer
Branch Chief & Senior District Hydraulics Engineer
District Construction Engineering Manager & Lead
District Resident Engineer

Arizona Department of Transportation

First State Forensic Engineer
Statewide Intermodal Project Manager
Statewide Construction Field Review Engineer
Area Construction Supervisor & Local Programs
FHWA Designate Engineer

Texas Department of Transportation

District Design Engineer
Construction Field & Lab Engineer Supervisor

Vollmer-Gray Engineering

Traffic/Roadway Safety - Human Factors -
Accident Reconstruction - Road and off-road
Accident Investigation & Analyses.

Teaching Experience:

University of Southern California -

Institute of Transportation Studies- Berkeley

"Application of the Manual On Uniform Traffic
Control Devices, 2000 in California"

California State University, Long Beach -

Graduate & Under-Graduate Transportation
Engineering Courses

**California State University, Long Beach -
Engineering Extension, -**

Professional Engineers Exam Review Course

Certification:

FHWA Trained, Tested, and Certified in Work
Zone Traffic Control Design and Implementation

Member:

**National Committee on Uniform Traffic
Control Devices (NCUTCD) -**

Reviews/Edits Changes to the "Manual on
Uniform Traffic Control Devices"

Transportation Research Board (TRB) -

Tort Liability & Risk Management Committee;
& Traffic Control Devices Committee

Institute of Transportation Engineers (ITE)

Life Member

**American Society for Testing and Materials
(ASTM) -**

1. Vehicle - Pavement Systems, (Skid Testing)
(ASTM Committee E-17)
2. 3D Laser Scan Imaging (Surveys/Imaging)
(ASTM Committee E-57)
3. Pedestrian/Walkway Safety and Footwear
(ASTM Committee F-13)

Human Factors & Ergonomics Society

Technical Groups (Member): Aging; Augmented
Cognition; Cognitive Engineering & Decision
Making; Forensics Professional; Perception &
Performance; Safety; Surface Transportation

Association for Psychological Science (APS)

Life Member

Society of Automotive Engineers (SAE)

American Society of Civil Engineers (ASCE)

American Traffic Safety Services (ATSSA)

Publications:

**"Manual on Uniform Traffic Control Devices"
(MUTCD) -**

Contributor (NCUTCD Sub-committee Chair)

"Traffic Control Devices Handbook" (TCDH) -

Contributor

"California Application of the MUTCD 2000"-

Text for an ITS Berkeley Course on the
"Manual on Uniform Traffic Control Devices"

"Professional Engineers Review Manual"

Revised portions for CSULB Extension Program