



**Edward R. Ingram, P.E. – Consulting Engineer
Mechanical & Vehicle Crash Investigation & Reconstruction**

15551 FM 362
Navasota, Texas 77868
Phone: 979-595-1233
Web: www.billycoxgroup.com
Email: consultants@billycoxgroup.com

Professional Summary

Bachelor of Science Degree in Mechanical Engineering
Registered Professional Engineer (P.E.)
Accredited Traffic Accident Reconstructionist (ACTAR)

Primary Areas of Consultation:

Motor vehicle accident investigation and reconstruction; crush damage; black box data, mechanical equipment.

Professional Experience

01/2008 to Present Billy Cox Group
Navasota, Texas
Consulting Engineer

Responsible for forensic investigations and analyses of motor vehicle accidents, mechanical systems and worksite injuries. Motor vehicle accident investigations and reconstructions involve commercial vehicles, passenger vehicles, motorcycles, bicycles, pedestrians and livestock.

1999 to Present RECON Engineering, Inc.
Austin, Texas
President

Responsible for forensic investigations and analyses of motor vehicle accidents, mechanical systems and worksite injuries. Motor vehicle accident investigations and reconstructions involve commercial vehicles, passenger vehicles, motorcycles, bicycles, pedestrians and livestock. Airbag module "Black Box" data is routinely gathered. Low speed impact evaluations encompass rear, front, side and oblique collisions, several of which have been reproduced in instrumented, staged collisions. Mechanical system evaluations have included brake systems, steering systems, plumbing failures, mechanical equipment malfunctions, fire extinguisher failures, man-lift injuries, slip & falls, and light bulb "On or Off" evaluations.

1996-1999 Bison Engineering, Inc.
Kingwood, Texas
Consulting Engineer (Same as outlined above)

1990-1996 CH&A Corporation (Now EFI Global)
Kingwood, Texas
Consulting Engineer (Same as outlined above)

1988-1990 FORD AEROSPACE
BOEING AEROSPACE OPERATIONS, INC.
Houston, Texas
Reliability Subsystem Engineer

Responsible for certifying the reliability of mechanical systems on NASA's fleet of Space Shuttles. Areas of work included the landing gear, brakes, thermal control and air quality.

EDUCATION

B.S., MECHANICAL ENGINEERING

Texas A&M University (1988)

PROFESSIONAL TRAINING

Advanced Accident Investigation (80 hours)
Texas A&M University (1991)

Motor Vehicle Accident Reconstruction (14)
Society of Automotive Engineers (1992)

Low-Speed Crash Tests, Human Factors & Biomechanics (20)
Texas Association of Accident Reconstruction Specialists (1992)

Comm. Vehicle Inspection/Acc. Invest (40)
Texas A&M University (1993)

Advanced Commercial Vehicle (36)
Texas A&M University (1994)

Accident Inv. & Reconstruction Bio-Mechanics of Accidents (30)
Texas A&M University (1995)

Traffic Accident Reconstruction & Litigation (13)
Lawyers & Judges Publishing 1998)

Fundamentals of Sensor Design for Automotive Airbag Systems (6)
Society of Automotive Engineers (1999)

Accident Recon: State-of-the-Art (12)
Society of Automotive Engineers (1999)

CVSA Inspection Familiarization (8)
Commercial Vehicle Safety Alliance (2000)

Child Safety Restraints
TAARS (2002)

CDR Tool (Black Box) – User Certification (24)
IPTM (2004)

ARC-CSI Crash Conference (28)
Las Vegas (2005)

ARC-CSI Crash Conference (28)
Las Vegas (2006)

REGISTRATIONS

Professional Engineer (P.E.) (1993)
Accreditation Commission for Traffic Accident Reconstruction (ACTAR #617)
CDR Tool Certification (2004)

ASSOCIATIONS

TAARS – Texas Association of Accident Reconstruction Specialists