

Curriculum vitae
MICHAEL G. BARNES
(ACTAR #201)
4414 Holly Tree Drive
Louisville, KY 40241
(502) 412-7000 Business
(502) 468-0934 Mobile
e-mail arcmbarns@aol.com
www.MikeBarnesARC.com

Updated 03/10

BORN: May 4, 1951
SPOUSE: Kimberly (Lutz) Barnes
CHILDREN: Kymberly Drew Barnes (10/18/88)
Spenser Michele Barnes (03/02/93)

FORMAL EDUCATION

Fern Creek High School (Louisville, KY), 1969
University of Louisville (Louisville, KY), B. S. - Counseling and Guidance, 1987

EXPERIENCE

United States Army, August 1970 - April 1972.
United States Army Reserve, April 1972- August 1973.

Louisville Division of Police. September 1972 - 2006. Retired
Training: Sept. 1972 - Feb. 1973.
Patrol: Feb. 1973 - Apr. 1983.
Traffic Bureau Apr. 1983 - Jan. 2006.
Technical Accident Investigation Unit – Team Leader (Jan. 1988 – Jan. 2006)
Commercial Vehicle Inspector – 1991 –

**Full Accreditation as a Traffic Accident Reconstruction Specialist through
The Accreditation Commission for Traffic Accident Reconstruction, (A.C.T.A.R.)
October 1993. (Reg. # 201) Expires June 2013.**

**Certificate of Qualification as a Traffic Accident Reconstruction Specialist,
(ACTAR) May 1992.**

**"Accident Reconstruction Consultants, Inc."
P. O. Box 17495, Louisville, KY 40217 (Owner). 1991**

**Licensed Private Investigator by the Commonwealth of Kentucky,
(License KY-0244) July 2004, Expiration Date 06/30/11.**

**Crash Teams Kentucky www.CrashTeams.com/Kentucky
Crash Teams Southern Indiana www.CrashTeams.com/SouthernIndiana
mbarns@crashteam.com, May, 2008.**

**SPECIALIZED TRAINING
ACCIDENT INVESTIGATION/RECONSTRUCTION**

- **"Advance Accident Investigation,"**
Kentucky Law Enforcement Council Bureau of Training
(Shelby Campus: Louisville, Kentucky), August, 1984.
- **"At-Scene / Traffic Homicide Accident Investigation,"**
Department of Criminal Justice Training, Kentucky Justice Cabinet
(Eastern Kentucky University Campus: Richmond, Kentucky), October, 1989.
- **"Advance Accident Investigation,"**
University of North Florida - Institute of Police Technology and Management
(Eastern Kentucky University Campus: Richmond, Kentucky), October, 1989.
- **"Accident Reconstruction,"**
University of North Florida - Institute of Police Technology and Management
(Eastern Kentucky University Campus: Richmond, Kentucky), March, 1990.
- **"Investigation of Commercial Vehicle Accidents,"**
University of North Florida - Institute of Police Technology and Management
(Eastern Kentucky University Campus: Richmond, Kentucky), March, 1990.
- **"1990 Accident Reconstruction Conference,"**
College of Continuing Education and Public Service
(Illinois State University: Normal, Illinois), October 4-6, 1990.
- **"North American Standard Driver / Vehicle Inspection Course,"**
Department of Criminal Justice Training, Kentucky Justice Cabinet
(Eastern Kentucky University Campus: Richmond, Kentucky), January, 1991.
- **"Collision Dynamics: Issues and Answers Seminar,"**
Accident Reconstruction Consultants, Inc. Co-host with University of Louisville
Department of Forensic Pathology: Louisville, Kentucky), March 9, 1991.
- **"Microcomputer Application Programs in Traffic Accident Reconstruction,"**
Northwestern University Traffic Institute, (Evanston, IL), March 18-22, 1991.
- **"Kentucky Hazardous Materials and Cargo Tank Training,"**
Commonwealth of Kentucky Transportation Cabinet
(Eastern Kentucky University Campus: Richmond, Kentucky), April, 1991.
- **"Retraining Seminar for the Traffic Accident Investigator,"**
University of North Florida - Institute of Police Technology and Management
(Kentucky State Police Academy: Frankfort, Kentucky), April, 1991.
- **"Investigation of Motorcycle Accidents,"**
University of North Florida - Institute of Police Technology and Management
(IPTM Campus: Jacksonville, Florida), August 12-16, 1991.
- **"Grade Crossing Collision Investigation,"**
Norfolk Southern Railroad & Operation Lifesaver, Inc.
(Louisville, Kentucky), September 25-27, 1991.

**SPECIALIZED TRAINING
ACCIDENT INVESTIGATION/RECONSTRUCTION**

- **"1991 Accident Reconstruction Conference,"**
College of Continuing Education and Public Service
(Illinois State University: Normal, Illinois), October 10-12, 1991.
- **"Instructor - Certified by the Kentucky Law Enforcement Council,"**
Beginning 1991 - To Present in aspects of Patrol Procedures and
Accident Investigations and Reconstruction.
(Eastern Kentucky University Campus: Richmond, Kentucky), November, 1991.
- **"Collision Dynamics: Issues and Answers Seminar,"**
Accident Reconstruction Consultants, Inc. Co-host with Kentucky Academy of Trial Attorneys (KATA),
(Louisville, Kentucky), March 14, 1992.
- **"Special Problems in Traffic Accident Reconstruction,"**
University of North Florida - Institute of Police Technology and Management
(IPTM Campus: Jacksonville, Florida), April 13-17, 1992.
- **"Forensic Physics Applied to Accident Reconstruction,"**
Colorado School of Mines,
(Colorado School of Mines Campus: Golden, Colorado), August 18-21, 1992.
- **"1992 Accident Reconstruction Conference,"**
College of Continuing Education and Public Service
(Illinois State University: Normal, Illinois), October 1-13, 1992.
- **"Collision Dynamics: Issues and Answers Seminar,"**
Accident Reconstruction Consultants, Inc. Co-host with Kentucky Academy of Trial Attorneys (KATA),
(Louisville, Kentucky), March 13, 1993.
- **"Pedestrian and Bicycle Accident Investigation,"**
Texas A & M - Texas Engineering Extension Service Law Enforcement and Security Training, (TEEX)
(Plano, Texas), May 3-7, 1993.
- **"1993 Accident Reconstruction Conference,"**
Illinois Association of Technical Accident Investigators, IATAI,
(Mundelein, Illinois), October 14-16, 1993.
- **"Collision Dynamics: Issues and Answers Seminar,"**
Accident Reconstruction Consultants, Inc. (Louisville, Kentucky), March 12, 1994.
- **"TAARS, SOAR, WATAI Combined Conference,"**
Texas A & M - Texas Engineering Extension Service Law Enforcement and Security Training, (TEEX)
(TEEX Campus, College Station, Texas), September 15-17, 1994.
- **"Advanced Commercial Vehicle Accident Investigating and Reconstruction,"**
Texas A & M - Texas Engineering Extension Service Law Enforcement and Security Training, (TEEX) (TEEX
Campus, College Station, Texas), September 18-23, 1994.
- **"Hours of Service Training,"**
U. S. Department of Transportation, Office of Motor Carriers,
(Frankfort, Kentucky), January 17-19, 1995.

**SPECIALIZED TRAINING
ACCIDENT INVESTIGATION/RECONSTRUCTION**

- **"Basic Hazardous Materials Inspection Course,"**
U. S. Department of Transportation, Office of Motor Carriers,
(Richmond, Kentucky), March 6-10, 1995.
- **"Tank Cargo Roadside Inspection Course,"**
U. S. Department of Transportation, Office of Motor Carriers National Training
Center, (Richmond, Kentucky), June 5-9, 1995.
- **"Forensic Mapping,"**
MJC & Associates, Sokkia Mapping Systems,
(Louisville Police Headquarters, Louisville, Kentucky), June 26-30, 1995
- **"Advanced Commercial Vehicle Accident Investigating and Reconstruction,"**
Texas A & M - Texas Engineering Extension Service Law Enforcement and Security Training, (TEEX)
(JCC Campus, Louisville, Kentucky), July 10-15, 1995.
- **"Advanced Accident Reconstruction,"**
Texas A & M - Texas Engineering Extension Service Law Enforcement and Security Training, (TEEX)
(Houston, Texas), February 5-9, 1996.
- **"Railroad Grade Crossing Accident Investigation,"**
Department of Criminal Justice Training, Kentucky Justice Cabinet (Jefferson County Urban Government
Center: Louisville, Kentucky), May, 1996.
- **"Applied Physics for Traffic Accident Reconstruction,"**
Texas A & M - Texas Engineering Extension Service Law Enforcement and Security Training, (TEEX)
(Houston, Texas), June 2-6, 1997.
- **"Accident Investigation: Commercial / Pedestrian,"**
Department of Criminal Justice Training, Kentucky Justice Cabinet (Jefferson County Urban Government
Center: Louisville, Kentucky), October 1997.
- **"Advanced Accident Reconstruction Seminar,"**
Kentucky State Police
(Kentucky State Police Academy: Frankfort, Kentucky), November 1997.
- **"Media Relations for Law Enforcement Personnel,"**
University of Louisville, Southern Police Institute
(U of L, SPI, Louisville, Kentucky), January, 1998.
- **"Contour, Profile and Cross-Section Seminar 98,"**
Georgia Public Safety Training Center, (Forsyth, Ga.), February 1998.
- **"Vehicle Damage & Energy Relationship In Collision Reconstruction,"**
Texas A & M - Texas Engineering Extension Service Law Enforcement and Security Training, (TEEX)
(Dayton, Ohio), June 15-19, 1998.
- **"Commercial Vehicle Accident Investigation Seminar,"**
Texas A & M - Texas Engineering Extension Service Law Enforcement and Security Training, (TEEX)
and Montgomery County (Ohio) Sheriff's Department, (Dayton, Ohio), October 19, 1998.

**SPECIALIZED TRAINING
ACCIDENT INVESTIGATION/RECONSTRUCTION**

- **"Acceleration and VC2000 Familiarization Class,"**
Vericom Computers, Inc., Headquarters of the Louisville Police Department, (Louisville, Kentucky)
February 1, 1999
- **"World Reconstruction Exposition 2000" (WREX 2000),**
Texas A & M - Texas Engineering Extension Service Law Enforcement and Security Training, (TEEX)
(Texas A & M Campus, Brian Station, Texas), September 2000.
- **"Advanced Mapscenes in Forensic Mapping,"**
West Chester Police Department, Cincinnati, Ohio, July 2002.
- **"2002 Accident Reconstruction Conference,"**
Illinois Association of Technical Accident Investigators, IATAI,
(Rockford, Illinois), September 18-20, 2002.
- **"Kentucky State Police Advanced Accident Reconstruction Seminar,"**
Kentucky State Police, KSP, (Frankfort, Kentucky) October 21-25, 2002.
- **"Human Factors for Traffic Crash Reconstruction,"**
West Chester Police Department, (West Chester, Ohio), March 24-29, 2003.
- **"Crush Energy and Statistics in Accident Reconstruction,"**
West Chester Police Department, (West Chester, Ohio), July 21-23, 2003.
- **"Crash Data Retrieval (CDR) System Operator,"**
Collision Safety Institute, Inc., (Louisville, KY), August 25-26, 2003.
- **"Computer Aided Diagramming, AutoSketch 7.0,"**
ARTIMIS, University of Cincinnati, Raymond Walters College, Blue Ash Police Department, (Blue Ash,
Ohio) December 15-19, 2003.
- **"Advance Commercial Vehicle Accident Investigation,"**
University of North Florida - Institute of Police Technology and Management
(Lexington-Fayette Police Department, Lexington, Kentucky), January 12-16, 2004.
- **"North American Standard Level 1,"**
U. S. Department of Transportation and the Federal Motor Carrier Safety Administration (Department of
Motor Vehicle Enforcement, Frankfort, Kentucky), May 18-19, 2004.
- **"Vetronix Crash Data Retrieval System,"**
University of North Florida - Institute of Police Technology and Management
(Frankfort, Kentucky), August 9-10, 2004.
- **"General Hazardous Materials,"**
U. S. Department of Transportation and the Federal Motor Carrier Safety Administration
(Kentucky Vehicle Enforcement, Frankfort, Kentucky), August 30 to September 3, 2004.
- **"Damage Analysis & Energy Methods in Traffic Crash Reconstruction,"**
Synercon, (Lexington-Fayette Police Department, Lexington, KY), January 17-22, 2005.
- **"Vista FX2 Collision & Crime Scene Diagramming Course,"**
Visual Statement Inc, (Kentucky State Police, Frankfort, KY), November 7-8, 2005.

**SPECIALIZED TRAINING
ACCIDENT INVESTIGATION/RECONSTRUCTION**

- **"Advanced Collision/Crime Scene Reconstruction Using Vista FX2,"**
Visual Statement Inc, (Puerto Vallarta, Jal. Mexico), February 6-10, 2006.
- **"Train the Trainer Collision/Crime Scene Reconstruction Using Vista FX2,"**
Visual Statement Inc, (Kamloops, British Columbia, Canada), June 5- 9, 2006.
- **"Traffic Crash Reconstruction Technology Conference,"**
Illinois Association of Traffic Accident Investigators, (Bloomington/Normal, Illinois), September 5- 8, 2006.
- **"Crash Data Retrieval (CDR) System Operator Training Series,"**
Collision Safety Institute, (Dayton, Ohio), September 11-15, 2006.
- **"Forensic Animation, Using Vista FX3"**
Visual Statement Inc, (Puerto Vallarta, Jal. Mexico), February 12 -16, 2007.
- **"Forensic Animation,"**
University of North Florida - Institute of Police Technology and Management
(IPTM Campus: Jacksonville, Florida), March 26 -30, 2007.
- **"Vista FX3 Trainers Update,"**
Visual Statement Inc, (Puerto Vallarta, Jal. Mexico), February 25 -28, 2008.
- **"Crashteam Conference,"**
Crashteam, (Kamloops, British Columbia, Canada), August 11-14, 2008.
- **"Methodology and Techniques of Crash Data Retrieval,"**
University of North Florida - Institute of Police Technology and Management
(Regional Emergency Operations Center, Cincinnati), Ohio, December 8-12, 2008.
- **"Crashteam Conference,"**
Crashteam, (Puerto Vallarta, Jal. Mexico), March 23-27, 2009.
- **"Bendix Air Brake Introductory Class,"**
Bendix, (Ocean City, Maryland), October 6, 2009.
- **"Heavy Vehicle Crash Reconstruction,"** NAPARS 25TH Anniversary Combined Conference,
NAPARS, (Ocean City, Maryland), October 7 - 9, 2009.
- **"CDR Bosch Technician & Analyst Certification Course,"** Collision Safety Institute,
Fairfax County Criminal Justice Training (Chantilly, VA) February 15 - 19, 2010.
- **"Human Factors for Traffic Accident Reconstruction,"** Accident Dynamics Research Center,
(Hanover, MD), March 15 - 19, 2010.

PARTICIPATION IN FIELD TESTING
In All Areas of Accident Reconstruction

- "Investigation of Motorcycle Accidents,"
University of North Florida - Institute of Police Technology and Management
(IPTM Campus: Jacksonville, Florida), August 12-16, 1991.
- "Pedestrian and Bicycle Accident Investigation,"
Texas A & M - Texas Engineering Extension Service Law Enforcement and Security Training, (TEEX)
(Plano, Texas), May 3-7, 1993.
- "1993 Accident Reconstruction Conference,"
Illinois Association of Technical Accident Investigators, IATAI,
(Mundelein, Illinois), October 14-16, 1993.
- "Collision Dynamics: Issues and Answers Seminar,"
Accident Reconstruction Consultants, Inc. (Louisville, Kentucky), March 12, 1994.
- "TAARS, SOAR, WATAI Combined Conference,"
Texas A & M - Texas Engineering Extension Service Law Enforcement and Security Training, (TEEX)
(TEEX Campus, College Station, Texas), September 15-17, 1994.
- "Advanced Commercial Vehicle Accident Investigating and Reconstruction,"
Texas A & M - Texas Engineering Extension Service Law Enforcement and Security Training, (TEEX)
(Louisville, Kentucky), July 10-15, 1995.
- "Vehicle Damage & Energy Relationship In Collision Reconstruction,"
Texas A & M - Texas Engineering Extension Service Law Enforcement and Security Training, (TEEX)
(Dayton, Ohio), June 15-19, 1998.
- "Commercial Vehicle Accident Investigation Seminar,"
Texas A & M - Texas Engineering Extension Service Law Enforcement and Security Training, (TEEX)
and Montgomery County (Ohio) Sheriff's Department, (Dayton, Ohio), October 19, 1998.
- "Acceleration and VC2000 Familiarization Class,"
Vericom Computers, Inc., Louisville Police Department, (Louisville, Kentucky)
February 1, 1999.
- "World Reconstruction Exposition 2000 (WREX 2000),
Texas A & M - Texas Engineering Extension Service Law Enforcement and Security Training, (TEEX)
(Texas A & M Campus, Brian Station, Texas), September 2000.
- "Human Factors for Traffic Crash Reconstruction,"
West Chester Police Department, (West Chester, Ohio), March 24-29, 2003.
- "Vetronix Crash Data Retrieval System,"
University of North Florida - Institute of Police Technology and Management
(Frankfort, Ky), August 9-10, 2004.
- "Traffic Crash Reconstruction Technology Conference,"
I.A.T.A.I. (Bloomington/Normal, Illinois), September 5- 8, 2006.
- "Pole Impact Study,"
West Chester Police Department and Rumpke, Cincinnati, Ohio, July 21, 2007.

PARTICIPATION IN FIELD TESTING
In All Areas of Accident Reconstruction

“Heavy Vehicle Crash Reconstruction,” NAPARS 25TH Anniversary Combined Conference,
NAPARS, (Ocean City, Maryland), October 7 - 9, 2009

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PUBLICATIONS:

"Striving for Maturity: Accident Reconstruction and Moral Responsibility,"
The SOARce, January, 1991.

PRODUCTIONS & PRESENTATIONS:

"Collision Dynamics: Issues and Answers Seminar,"
Accident Reconstruction Consultants, Inc. Co-host with University of Louisville
Department of Forensic Pathology: Louisville, Kentucky), March 9, 1991.

"Collision Dynamics: Issues and Answers Seminar,"
Accident Reconstruction Consultants, Inc. Co-host with Kentucky Academy of Trial Attorneys (KATA)
(Louisville, Kentucky), March 14, 1992.

"Collision Dynamics: Issues and Answers Seminar,"
Accident Reconstruction Consultants, Inc. Co-host with Kentucky Academy of Trial Attorneys (KATA)
(Louisville, Kentucky), March 13, 1993.

Training Video - "Occupant and Vehicle Dynamics: A Low Speed City Intersection
Collision," March 1993.

"Pedestrian and Bicycle Accident Investigation,"
Texas A & M - Texas Engineering Extension Service Law Enforcement and Security Training, (TEEX)
(Louisville, Kentucky), March 7-11, 1994.

"Collision Dynamics: Issues and Answers Seminar,"
Accident Reconstruction Consultants, Inc.
(Louisville, Kentucky), March 12 1994.

"Advanced Commercial Vehicle Accident Investigating and Reconstruction,"
Texas A & M -
Texas Engineering Extension Service Law Enforcement and Security Training, (TEEX)
(Louisville, Kentucky), July 10-15, 1995.

“Accident Investigator II” - “Hardware Horror”
Discovery’s Health HD Channel – CMJ Productions,
(Montreal, Canada) Filmed in August, 2006, 1st Showing in February, 2007.

“Accident Reconstruction and 3D Animation”
Association One – 2008 Seminar
Horseshoe Hotel and Casino, Elizabeth, In. February 21-23, 2008.

“Forensic Animation- Why We Should Use 3D Animation”
Greater Lexington Paralegal Association, First Technology Seminar
Spencerian College, Lexington, KY, May 16, 2008.

PRODUCTIONS & PRESENTATIONS:

- “Forensic Animation- Why We Should Use 3D Animation”
Lexington Plaintiff Bar Association Meeting,
Lexington, KY, September, 2008.
- “Forensic Animation- Why We Should Use 3D Animation”
Kentucky Paralegal Association, 20th Annual Conference
Galt House, Louisville, KY, November 7, 2008.
- “Understanding the Vehicle Dynamics with Heavy Trucks Equipped with Air Brakes,”
Kentucky Justice Association, Heavy Trucks Litigation Seminar
Hyatt Hotel, Lexington, Kentucky, 2008
- “3D Animation in Accident Reconstruction”
Waters, Tyler, Scott, Hofmann, Doane, Seminar 2008,
Horseshoe Hotel & Resort, Elizabeth, Indiana, December 4, 2008.

PROFESSIONAL AFFILIATION:

- The Accreditation Commission for Traffic Accident Reconstruction, (ACTAR),
Full Accreditation as a Traffic Accident Reconstruction Specialist, (Reg. # 201)
October 1993 – Expires June 2013.
- National Association of Professional Accident Reconstruction Specialist,
(N.A.P.A.R.S.), 1993- Present
- The Society of Accident Reconstructionist (S.O.A.R.), 1990-2000
- The Illinois Association of Technical Accident Investigators, (I.A.T.A.I.), 1990-2000/2006 -2007
- Kentucky Society of Professional Investigators (K.S.P.I.), 2006 –2008
- Kentucky Professional Investigator Association (K.P.I.A.), 2006 - Present