



DJS
a s s o c i a t e s

Forensic Consulting, Technology & Animations

JOHN R. YANNACCONE, P.E.

Principal Mechanical Engineer

EDUCATION

Drexel University, Philadelphia, PA, BS Mechanical Engineering, 1989

CONTINUING EDUCATION

Industrial Truck/Forklift Certified Operator Training, December 2024

Mobile Elevated Work Platform (MEWP) Certified Operator Training, December 2024

Q'Straint QUANTUM Operator Certification, October 2024

Wheelchair Transportation Safety Lessons from the Crash Lab, University of Michigan Transportation Research Institute, March 2024

Q'Straint Securement 101: Basic Wheelchair Securement Training, October 2023

Q'Straint Securement 102: Securing Difficult Mobility Devices for Transit and Paratransit, October 2023

Q'Straint Securement 103: Securing Difficult Mobility Devices for School Bus, October 2023

Event Data Recorder Use in Traffic Crash Reconstruction – Update, Abington, PA, November 2022

OSHA 30 Hour Construction Industry, 360 Training, October 2022

OSHA 30 Hour General Industry, 360 Training, June 2021

OSHA 10 Hour General Industry, 360 Training, June 2021

Event Data Recorder in Traffic Crash Reconstruction – Update, Abington, PA, February 2019

Post-Disaster Safety-Assessment Program (SAP) Evaluator Training and Certification, Pennsylvania Society of Professional Engineers, November 2016

Online Bosch Full Crash Data Retrieval (CDR) Technician Training, University of North Florida - Institute of Police Technology and Management (IPTM), June 2016

CarFit Technician and Event Coordinator Training, 2016

Future of Side Impact Protection for Children: Injury Analysis, Testing and Technical Advances, Center for Child Injury Prevention Studies, The Children's Hospital of Philadelphia, March 2010

NHTSA Region 2 Child Passenger Safety Technical Conference, September 2009

Crash Data Retrieval Data Analyst Course, May 2008

Crash Data Retrieval Technician Course, May 2008

Annual Joint Conference – NYSTARS, NAPARS, NJAAR, NATARI & MdATAI, October 2007

The Role of Warnings and Instructions, The University of Wisconsin, College of Engineering, September 2005

Zoning Administration, The Pennsylvania Municipal Planning Education Institute, May 2005

Playground Safety and Design Workshop, October 2003

Wheelchair Securement & Occupant Restraint Training, April 2003
Transporting Children with Special Health Care Needs, October 2002
Booster Seats for Children: Closing the Gap Between Science and Public Policy, AAAM, April 2001
Fundamentals of Sensor Design for Automotive Air Bag Systems, September 1999
Standardized Child Passenger Safety Training Program, Patterns for Life, May 1999
Automotive Safety TOPTEC, *Focus on the Child*, SAE, October 1998
Motor Vehicle Accident Reconstruction, SAE, February-March 1995
Professional Engineering Review, Drexel University, May-October 1994
Industrial Hydraulics Technology, National Technology Transfer, Inc., October 1993
Head and Neck Injury Symposium, SAE, December 1993
Computer Aided Engineering Integration, December 1992
Injury, Anatomy, Biomechanics and Federal Regulations, SAE, August 1992
Algor Finite Element Analysis, Week 1, Algor Interactive Systems, Inc., December 1991
Risk Management and System Safety Practice, Sverdrup Technology, Inc., November 1990
Pennsylvania Environmental Regulations, May 1990

PROFESSIONAL LICENSES AND CERTIFICATIONS

Licensed Professional Engineer in Alabama, Delaware, New Jersey, Pennsylvania
Board Certified Diplomate in Forensic Engineering, National Academy of Forensic Engineers, 2010 to present
Certified Child Passenger Safety Technician – 1999 to present
Certified Child Passenger Safety Instructor – 2000 to present
Crash Data Retrieval Data Analyst Certification
Crash Data Retrieval Technician Certification
CarFit Technician and Event Coordinator – 2016 to present
Certified Safety Assessment Program Evaluator – 2016 to present
ProBoard Certification: Fire Fighter I, Fire Fighter II, Hazardous Materials Operations, Vehicle Technical Rescuer, Rope Technical Rescuer Technician Level
Pennsylvania Department of Health Certification as Basic Vehicle Rescue Technician

PROFESSIONAL MEMBERSHIPS

American Society of Mechanical Engineers (ASME)
SAE International
Association for the Advancement of Automotive Medicine (AAAM)
National Society of Professional Engineers (NSPE)
National Academy of Forensic Engineers (NAFE) – Senior Member
Pi Tau Sigma, Honorary Mechanical Engineering Fraternity
Order of the Engineer

PROFESSIONAL EXPERIENCE

February 2017 –
Present

DJS Associates, Inc., Abington, PA, Principal Mechanical Engineer

Responsibilities include the investigation and analysis of mechanical failures including industrial equipment and machinery, consumer products, ladders and scaffolds, machine guards, household appliances, wheelchair lifts, wheelchair tiedown and occupant restraint systems (WTORS) and patient lifts. Evaluation of the design, safety and performance of products and equipment involved in injury and property damage claims using scientific and engineering principles. Analysis of mechanical failures within vehicles including child safety seats, airbags, seat backs, seat belts and occupant protection and restraint systems. Examination and testing of occupant restraint systems and equipment for emergency vehicles. Use of High-Definition Scanning, Crash Data Recorder and other State-of-the-Art technology for investigation, documentation, and analysis. Expert testimony rendered on behalf of plaintiff and defense.

2005 – 2017

Forensic Safety Group, Willow Grove, PA, Senior Engineer

Responsibilities included the investigation and analysis of mechanically related failures and incidents with a focus on failure analysis and general system safety. Specific expertise in the evaluation of occupant protection in various types of vehicles. Consultation in the areas of occupant protection and restraint for emergency vehicles with the National Institute of Occupational Safety and Health (NIOSH). Consultation with several restraint system manufacturers regarding issues related to the performance of their systems. Continuous work in child passenger safety through participation in child restraint checkpoints, as well as teaching child passenger safety classes. Additional consultation with NIOSH on investigations as part of their Firefighter Fatality Investigation Program. Expert testimony rendered on behalf of plaintiff and defense.

1996 – 2005

ARCCA, Incorporated, Penns Park, PA, Senior Engineer

Extensive experience in testing automotive and vehicle components. Conducted numerous full-scale vehicle crash and rollover tests. Researched, tested and evaluated automotive seating, airbags and restraint systems. Conducted numerous seatback, restraint and rollover tests. Developed systems to sense and prevent tip-over of industrial equipment. Conducted sled testing for child restraints in collaboration with Children's Hospital of Philadelphia. Investigated and recommended improvements for restraint systems for occupants in patient compartment of ambulances with the National Institute of Occupational Safety and Health (NIOSH). Participated in the design and development of the Common Crashworthy Occupant Protection System (CCOPS) for Army wheeled vehicles. Consultation with several manufacturers to evaluate both the design and performance of their products. Expert testimony rendered on behalf of plaintiff and defense.

1987 – 1996

Naval Air Warfare Center, Warminster, PA, Mechanical Engineer

Responsible for various test facility operations including dynamic and sustained acceleration tests focused on human protection, human tolerance, and equipment performance. Conducted numerous accelerator tests on restraint systems, airbags, seating systems and several other components. Automotive testing included evaluation of new design for seat bottom cushions, dynamic seatback strength and occupant kinematics in various crash orientations. Operated US Navy's Fuel Fire Test Facility, which was used for full-scale fuel fire testing to assess the thermal protection capabilities of garments for the Navy. Participated in tests on the Navy's man-rated ejection tower, which simulated the catapult phase of ejection from an aircraft. Assisted in the design, testing and evaluation of fuel cells for Naval aircraft. Analyzed test results to determine flight

worthiness and potential for problems with pre-production fuel systems. Performed flame survivability testing of wire and fiber-optic cables in efforts to develop a materials specification.

1985 – 1986

US Department of Agriculture, Wyndmoor, PA, Engineering Science Laboratory
Assisted in the design, fabrication, modification, and maintenance of a wide variety of food processing equipment including the use of machine shop equipment to fabricate machinery to support a food processing pilot plant.

PRESENTATIONS

- “Determination of Seatbelt Use Following a Crash,” SAE International WCX™ Digital Summit, June 2020
- “Child Safety Seats: Determining Proper Use,” Lehigh Valley DUI Highway Safety Task Force, Law Enforcement Training Seminar, Lehigh Valley, PA, March 2017
- “The Seat Belt Defense,” Office of the Attorney General, State of New Jersey, September 2016
- “Event Data Recorders,” Office of the Attorney General, State of New Jersey, July 2016
- “Pretensioners and Child Passenger Safety,” NHTSA Region 2 Child Passenger Safety Technical Conference, September 2009
- “Comparison of Dynamic and Static Web Loop Deployment Forces,” SAE International 2006 World Congress, Detroit, MI, April 2006
- “Child Restraints: Determining Proper Use,” 2005 NATARI Joint Conference, Wilmington, DE, October 2005
- “Occupant Protection from Cargo in Armored Vehicles,” SAE 2005 World Congress, Detroit, MI, April 2005
- “Development of a Buckle Release Test Procedure,” SAE 2004 World Congress, Detroit, MI, March 2004
- “Hybrid III 3-Year-Old ATD Crash Test Research,” 27th Annual International Workshop on Human Subjects for Biomechanics Research, San Diego, CA, October 1999

PUBLICATIONS

- Yannaccone, J. R., “Determination of Seatbelt Use Following a Crash”, SAE International 2020-01-0643, April 2020.
- Yannaccone, J. R. and Kinder, R. S., “Correlation of “Non-Zero” Speedometer Readings with EDR Data,” SAE International 2018-01-0522, April 2018.
- Green, J. D. , Yannaccone, J. R. , Current, R. S. , Sicher, L. A. , Moore, P. H. and Whitman, G. R., “Assessing the performance of various restraints on ambulance patient compartment workers during crash events,” International Journal of Crashworthiness, 15: 5, 517-541, November 2010.
- Yannaccone, J., “How Do Airbags Work?” Fitting Station News, 2010 Edition – PA Traffic Injury Prevention Project, April 2010.
- Current, R., Moore, P., Green, J., Yannaccone, J., Whitman, G., Sicher, L., “Crash Testing of Ambulance Chassis Cab Vehicles,” SAE International 2007-01-4267, October 2007. Selected for inclusion in SAE Transactions 2007.
- Yannaccone, J., Whitman, G., Sicher, L., D’Aulerio, L., “Analysis of Nij in Simulated Real-World Crashes with a 3-year-old Hybrid-III,” International Journal of Crashworthiness, 2006, Vol. 11 No. 5.
- Sicher, L.A., Whitman, G.R., Yannaccone, J.R., “Validation of Loading Marks on Child Safety Seats through Testing,” SAE International 2006 World Congress, Detroit, Michigan, SAE 2006-01-0906, April 2006.
- Whitman, G.R., Sicher, L.A., Yannaccone, J.R., Hooker, R., “Dolly Rollover Testing of Child Safety Seats,” SAE International 2006 World Congress, Detroit, Michigan, SAE 2006-01-0914, April 2006.

Yannaccone, J.R., Sicher, L.A., "Comparison of Dynamic and Static Web Loop Deployment Forces," SAE International 2006 World Congress, Detroit, Michigan, SAE 2006-01-1682, April 2006.

Yannaccone, J. R., Whitman, G. R., Sicher, L., "Pretensioners and Injury Risk," SAFE Association's Forty-Third Annual Symposium, Salt Lake City, Utah, October 24-26, 2005.

Green, J., Moore, P., Current, R., Yannaccone, J., Whitman, G., Day, D., Proudfoot, S., Bobick, T., Romano, N., "Reducing Vehicle Crash-Related EMS Worker Injuries Through Improvements in Restraint Systems," XVIIth World Congress on Safety and Health at Work, Orlando, Florida, September 20, 2005.

Yannaccone, J. R., Cantor, A.E., Eisentraut, D.K., Denham, W. Sicher, L.A., "Occupant Protection from Cargo in Armored Vehicles," SAE 2005 World Congress, Detroit, Michigan, SAE 2005-01-0879, April 2005. Selected for inclusion in SAE Transactions 2005.

Yannaccone, J. R., Sicher, L.A., Cantor, A. E., "Development of a Buckle Release Test Procedure," SAE 2004 World Congress, Detroit, Michigan, SAE 2004-01-0472, March 2004.

Whitman, G. R., Yannaccone, J. R., Burton, J., Lewis, P., and Shanahan, D.F., "Occupant Kinematics with Child Safety Seats Tested Under Real World Conditions," Association for the Advancement of Automotive Medicine, 47th Annual Scientific Conference, September 22-24, 2003.

Whitman, G. R., Sicher, L. A., D'Aulerio, L. A., Yannaccone, J. R., "Lateral Crash Restraint for Children," SAFE Association's 40th Annual Symposium, September 2002.

Sicher, L. A., Whitman, G. R., Yannaccone, J. R., D'Aulerio, L. A., Cantor, A., Shanahan, D., and Reed, J., "Lateral Restraint: Comparison of Lap/Shoulder Belt vs. Lap/Shoulder Plus Supplemental Shoulder Belt Restraint Systems," SAFE Association's 40th Annual Symposium, September 2002.

Whitman, G. R., D'Aulerio, L. A., Sicher, L. A., Yannaccone, J. R., and Cantor, A., "Children in Rollover Crashes," Biomedical Engineering: Recent Developments. J Vossoughi (Editor), ISBN: 1-930636-01-6 © 2002 Medical and Engineering Publishers, Inc.

Yannaccone, John, Performance Analysis of Martin-Baker Aircraft Crash Attenuating Troop Seat System, Proprietary Report, February 2002.

Sicher, L. A., Whitman, G. R., Yannaccone, J. R., D'Aulerio, L. A., Cantor, A., Shanahan, D., and Reed, J., "Lateral Restraint: Comparison of Lap/Shoulder Belt vs. Lap/Shoulder Plus Supplemental Shoulder Belt Restraint Systems," SAFE Association's 39th Annual Symposium, September 2001.

21st Century Truck Program: Occupant Crash Protection, Report to U.S. Army, June 2001.

Levick, Nadine, Li, Guohua and Yannaccone, John, "Development Of A Dynamic Testing Procedure To Assess Crashworthiness Of The Rear Patient Compartment Of Ambulance Vehicles," Paper number 454-O, 17th International Technical Conference on the Enhanced Safety of Vehicles (ESV) Conference, Amsterdam, The Netherlands, June 4-7, 2001.

Whitman, G.R., Yannaccone, J.R., Bandak, F.A., Sicher, L., D'Aulerio, L., Shanahan, D., Cantor, A., Roberts, D., Moss, S., "A Method for the Assessment of Tethered and Untethered Child Restraint Systems using the Hybrid III Three Year Old Dummy," Injury Biomechanics Research, Twenty-Seventh International Workshop, San Diego, California, October 24, 1999, published June 2001.

Levick, Nadine, Li, Guohua and Yannaccone, John, "Biomechanics Of The Patient Compartment Of Ambulance Vehicles Under Crash Conditions: Testing Countermeasures To Mitigate Injury," SAE 2004 World Congress, Detroit, Michigan, SAE 2001-01-1173, March 2001. Selected for inclusion in SAE Transactions.

Occupant Crash Protection Handbook for Tactical Ground Vehicles (Light, Medium & Heavy) November 15, 2000, Department of the Army.

Sicher, L.A., Yannaccone, J.R., D'Aulerio, L.A., Cantor, A., ARCCA Incorporated; Gedeon, M., Reed, J., U.S. Army Tank-Automotive and Armaments Command, "Occupant Protection During Rollover Events," SAFE Association 38th Annual Symposium, Reno, Nevada, October 2000.

Sicher, L.A., Whitman, G.R., Yannaccone, J.R., D'Aulerio, L.A., and Cantor, A., "Common Occupant Crash Protection for Army Wheeled Trucks," SAE 2000 World Congress, Detroit, Michigan, SAE 2000-01-1395, March 2000. Selected for inclusion in SAE Transactions.

Joganich, T.G., Markushewski, M. L., Cantor, A., D'Aulerio, L.A. Whitman, G.R., Yannaccone, J.R., and Eisentraut, D.K., ARCCA Incorporated, "Effect of Cognitive Workload on Automatic Restraint System Usage', SAE 2000 World Congress, Detroit, Michigan, SAE 2000-01-0174, March 2000. Selected for inclusion in SAE Transactions.

Yannaccone, John, Horton 553B Ambulance Box Sled Test Report, performed at the Transportation Research Center, East Liberty, Ohio, January 2000.

Yannaccone, John, High Speed Video Coverage and Analysis Report for F-Shaped Portable Concrete Barrier and Type III Barricade Testing, December 1999.

Pediatric Injury Research Final Report, Hybrid III Crash Test ATD Research, The Children's Hospital of Philadelphia, September 1999.

Yannaccone, John, High Speed Video Coverage and Analysis Report for Type III Barricade Testing, performed at The Crash Safety Research Center, The Pennsylvania Transportation Research Institute, The Pennsylvania State University, November 1999.

Vertical Force Crash Protection for HMMWV Occupants, SBIR Topic No. A97-085, August 1998.

Yannaccone, John, Restoration of NBDL 12-Inch Hyge Horizontal Accelerator Project Report, December 1996.

Yannaccone, John, Ordnance Handling Plan for AST Pretensioning Device (PTD) Full Scale Dynamic Performance Test Program, April 1996.

Yannaccone, John, Requirement for NAWC (AD) Horizontal Accelerator Facility at Patuxent River, Navy White Paper, October 1994.

Yannaccone, John, Analysis of Relocation Options for NAWC (AD) Horizontal Accelerator Facility, Navy White Paper, September 1994.

Yannaccone, John, Ordnance Handling Plan for Inflatable Body and Head Restraint System (IBAHRS), Horizontal Accelerator Test Program, April 1994.

Yannaccone, John, Ordnance Handling Plan for Universal Water Activated Release System (UWARS), Horizontal Accelerator Test Program, June 1993.

Yannaccone, John, Ordnance Handling Plan for Cats Eye Emergency Divestment System (CEEDS) Testing on the Small Centrifuge, January 1993.

Yannaccone, John, Standard Operating Procedure for NADC Fuel Fire Test Facility, Revision 3, August 1991.

Yannaccone, John, Letter Report on Fuel Fire Testing of Enhanced Air Force Flight Suit, August 1991.

Yannaccone, John, Letter Report on Fuel Fire Testing of Chemical Protective Coveralls, July 1991.

Yannaccone, John, Letter Report on Fuel Fire Testing of Full Pressure Suits, May 1991.

PROFESSIONAL ACTIVITIES

International Journal of Crashworthiness Peer Reviewer

SAE International Peer Reviewer

National Academy of Forensic Engineers (NAFE) Peer Reviewer

Perkasie Fire Company – September 2008 to present, Current Position: Firefighter and Past President

Perkasie Firemen's Relief Association – September 2008 to present, Current Position: Secretary

Bucks County Technical Rescue Task Force Member – 2013-2024

Perkasie Borough Zoning Board – January 1995 to present, Current Position: Vice Chairperson

AWARDS RECEIVED

Commendation from East Rockhill Township for performance as a rescuer at a nighttime high angle cliff rescue on July 5, 2014

Central Bucks Chamber of Commerce Burpee Emergency Services Award, 2013

Center for Disease Control (CDC) Nomination for Charles C. Shepard Award – Prevention and Control, June 2011

NIOSH 2011 Alice Hamilton Award – Honorable Mention – Engineering and Physical Science, 2011

NAWC Superior Performance Awards 1990 through 1996

NAWC Technology Transfer Award for contributions in the area of technology transfer, August 1994

NAWC Special Act Award for performance of repair on Navy's Dynamic Flight Simulator, March 1992

US Department of Agriculture, Special Act Award for superior performance as an Engineering Trainee, October 1986

PATENTS

Side Impact Injury Test Apparatus, U.S. Patent Number 5,872,321

Co-inventor of Seat-Mounted Occupant Crash Protection System, U.S. Patent Number 6,155,601

INSTRUCTOR ACTIVITIES

The Safe Transportation of Children in the Care of Social Service Agencies presented to Delta Community Supports, Glenside, PA, November 2015

Child Passenger Safety Refresher Class, April 2005

Pretensioners, Web Loops and Load Limiters presented at the Pennsylvania Child Passenger Safety Instructors Meeting, Harrisburg, PA, March 2002

Crash Protection Systems Testing, presented at the Occupant Crash Protection Training Course at the Naval Air Warfare Center (NAWC), Patuxent River, MD, November 1998

Standardized Child Passenger Safety Training Program

American Academy of Pediatrics, Horsham Fire Company, PA, October 2024

Safe Kids of Southeastern Pennsylvania & Children's Hospital of Philadelphia, Ronald McDonald House, June 2024

American Academy of Pediatrics, Tri-Hampton Rescue Squad, Richboro, PA, April 2024

American Academy of Pediatrics, Abington Hospital - Jefferson Health, Abington, PA, October 2023

American Academy of Pediatrics, Jefferson Fire Company, West Norriton, PA, March 2023

American Academy of Pediatrics, Volunteer Medical Services Corp., Lansdale, PA, October 2022

Lehigh Valley Health Network, Cetronia Ambulance Corps, Allentown, PA, September 2022

American Academy of Pediatrics, Upper Darby Fire Company, Upper Darby, PA, April 2022

American Academy of Pediatrics, King of Prussia Fire Company, King of Prussia, PA, March 2022

American Academy of Pediatrics, Tinicum Township Fire Company, Essington, PA, November 2021

American Academy of Pediatrics, Abington Hospital - Jefferson Health, Abington, PA, September 2021

American Academy of Pediatrics, Radnor Fire Company, Wayne, PA, May 2021
American Academy of Pediatrics, Warrington Fire Company, Warrington, PA, April 2021
American Academy of Pediatrics, Avondale Fire Company, Avondale, PA, November 2019
American Academy of Pediatrics, Abington Hospital - Jefferson Health, Abington, PA, April 2019
American Academy of Pediatrics, Tinicum Township Fire Company, Essington, PA, January 2019
American Academy of Pediatrics, Radnor Fire Company, Wayne, PA, October 2018
Lehigh Valley Health Network, Cetronia Ambulance Corps, Allentown, PA, September 2018
American Academy of Pediatrics, Community Ambulance Association of Ambler, Ambler, PA, February 2018
Lehigh Valley Health Network, Cetronia Ambulance Corps, Allentown, PA, September 2017
American Academy of Pediatrics, Horsham Fire Company, Horsham, PA, October 2016
Lehigh Valley Health Network, Cetronia Ambulance Corps, Allentown, PA, September 2016
American Academy of Pediatrics, Radnor Fire Company, Wayne, PA, June 2016
American Academy of Pediatrics, Montgomery Township Fire Department, Montgomeryville, PA, October 2015
Lehigh Valley Health Network, Cetronia Ambulance Corps, Allentown, PA, October 2015
Bucks County Safe Kids, Doylestown Hospital Health and Wellness Center, Doylestown, PA, May 2015
American Academy of Pediatrics, Plymouth Community Ambulance, Plymouth Township, PA, October 2014
American Academy of Pediatrics, St. Christopher's Hospital for Children, Philadelphia, PA, October 2014
American Academy of Pediatrics, Middletown Fire Company, Media, PA, June 2014
Safe Kids of Southeastern Pennsylvania, Children's Hospital of Philadelphia, October 2013
Montgomery County Department of Health, Plymouth Community Ambulance, Plymouth Township, PA, September 2013
American Academy of Pediatrics, Minquas Fire Company, Downingtown, PA, June 2012
American Academy of Pediatrics, Norco Fire Company, Pottstown, PA, March 2012
American Academy of Pediatrics and SafeKids, Pennridge Regional Police Department, Sellersville, PA, February 2012
American Academy of Pediatrics, Levittown-Fairless Hills Rescue Squad, Levittown, PA, November 2011
American Academy of Pediatrics, St. Christopher's Hospital for Children, Philadelphia, PA, December 2010
Bucks County Highway Safety Program, Bucks County Emergency Services Training Center, Doylestown, PA, July 2010
Bucks County Highway Safety Program, Bucks County Emergency Services Training Center, Doylestown, PA, October 2008
American Academy of Pediatrics, Chester County Highway Safety, Exton, PA, April 2008
American Academy of Pediatrics, Meissner Chevrolet Megastore, Philadelphia, PA, February 2008
American Academy of Pediatrics, Monroe County Public Safety Center, Stroudsburg, PA, December 2007
American Academy of Pediatrics, Pottstown Memorial Medical Center, Pottstown, PA, October-November 2007
Chester County Highway Safety, Exton, PA, May 2007
Bryn Athyn Fire Company, Bryn Athyn, PA, October 2006

Bucks County Highway Safety Program, Bucks County Emergency Services Training Center, Doylestown, PA, May 2006

Chester County Highway Safety, Exton, PA, August 2005

Bucks County Highway Safety Program, Bucks County Emergency Services Training Center, Doylestown, PA, April 2005

Delaware County Emergency Services Training Center, Sharon Hill, PA, September 2004

Chester County Highway Safety, Exton, PA, June 2004

Graco Children's Products, Exton, PA, February 2004

Graco Children's Products, Delaware County Emergency Services Training Center, Sharon Hill, PA, November 2003

National Highway Traffic Safety Administration, Mercy Hospital, Philadelphia, PA, July 2003

Safe Kids of Southeastern Pennsylvania, Lower Salford Police Department, May 2003

Bucks County Highway Safety Program, Bucks County Emergency Services Training Center, Doylestown, PA, March 2003

Safe Kids of Southeastern Pennsylvania, Children's Hospital of Philadelphia, August 2002

Bucks County Highway Safety Program, Bucks County Emergency Services Training Center, Doylestown, PA, July 2002

American Academy of Pediatrics, Abington Police Department, Abington, PA, December 2001

Bucks County Highway Safety Program, Bucks County Emergency Services Training Center, Doylestown, PA, November 2001

Safe Kids of Southeastern Pennsylvania, Children's Hospital of Philadelphia, August 2001

Bucks County Highway Safety Program, Bucks County Emergency Services Training Center, Doylestown, PA, July 2001

Safe Kids of Southeastern Pennsylvania, North Penn Volunteer Medical Services, PA, March 2001

Bucks County Highway Safety Program, Bucks County Rescue Squad, Bristol, PA, February 2001

North Central Highway Safety Network, Exeter Township Police Department, Reading, PA, January 2001

Pennsylvania State Police, Troop H, Hershey, PA, September 2000

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