

## **ARTHUR H. BORCHERS, ACTAR**

**CONSULTANT.** Providing expert technical consulting services based on more than twenty-five years of law enforcement and accident reconstruction experience, with particular expertise in technical follow-up investigations and mathematical traffic crash reconstruction and analysis. Mr. Borchers was the Oak Park Police Department's first Illinois and nationally certified Crash Reconstructionist and is the recipient of seventeen Department Citations and numerous letters of appreciation in recognition of professional skill and dedication from the Chief of Police, citizens and outside agencies.

### **EDUCATION AND TRAINING:**

- Bachelor of Science, Law Enforcement Administration, Western Illinois University
- Associate in Science, Criminal Justice, Triton Community College
- Instructor Development, Federal Bureau of Investigation (40 hours)
- Texas Engineering Extension Service / Texas A&M University
  - Biomechanics for Accident Reconstruction, (40 hours)
  - Crush Analysis Workshop (16 hours)
- Northwestern University Traffic Institute / Northwestern University
  - At-Scene Accident Investigation (80 hours)
  - Technical Accident Investigation (80 hours)
  - Vehicle Dynamics (40 hours)
  - Accident Investigation Photography (40 hours)
  - Traffic Accident Reconstruction I (80 hours)
  - Traffic Accident Reconstruction II (40 hours)
  - 13<sup>th</sup> Vehicular Homicide/DUI Conference (32 hours)
  - Microcomputer Assisted Traffic Accident Reconstruction - EDCrash (Engineering Dynamics Corporation Reconstruction of Accident Speeds on the Highway) (40 hours)
- Institute of Police Technology and Management / University of North Florida
  - Energy Methods & Damage Analysis in Traffic Crash Reconstruction (40 hours)
- Horizontal Gaze Nystagmus and Field Sobriety Testing, Illinois State Police (24 hours)
- Breath Alcohol Operator, Illinois Department of Public Health (40 hours)
- QuickMap / Intro to Auto Sketch, Laser Technology, Inc./Triton College (8 hours)
- Acceleration & VC2000, Vericom Computers/Arlington Heights Police Department (8 hours)
- Laser Mapping & CAD Zone, Laser Technology Incorporated, (16 hours)
- Crash Data Retrieval Seminar, Vetronix, Inc. (16 hours)
- Crash Data Retrieval – Operator Course, Collision Safety Institute/Chicago Police Department (16 hours)
- Annual Accident Reconstruction Conference, Illinois Association of Technical Accident Investigators (1993 to present, excluding 2005, 2006 & 2009)
- Basic Training, Police Training Institute, University of Illinois (240 hours)

*Additional training and courses taught listed under separate attachment.*

### **PROFESSIONAL EXPERIENCE:**

*Oak Park Police Department, Oak Park, Illinois:*

- SERGEANT, Investigations Division. Direct supervisor for five detectives and three street crimes tactical officers. Maintains registered sex offender records and, in major crime incidents, responds and relieves the Watch Commander, taking overall control of the scene, processing and investigation of the incident. Monitor continuing case assignments and major incident investigations.
- SERGEANT, Patrol Division. Direct supervisor for four patrol officers and serves as Acting Watch Commander, prepares shift Operational Plans, productivity reports and responds to

major events, taking initial incident command while making appropriate administrative notifications to superior officers. Conducts investigations into officer conduct and recommends discipline or department recognition as appropriate. Selected as original member of "Containment Team" and now serving as Administrative Supervisor of Special Response Team and Training Safety Officer. Also assists in the annual budget preparation.

- DETECTIVE, Investigations Division. As Senior Detective acted as nominal supervisor as needed. Conducted review of reports, assigned critical reports for immediate follow-up investigation and coordinated unit activities with Patrol Watch Commander as needed. Appointed as Rangemaster responsible for inventory and maintenance of all Department-owned weapons, coordination of firearms training, firing range maintenance, ammunition selection, budgeting and purchasing. Was also responsible for two revisions of "Firearms Task Specific Manual" and technology improvements for Investigations Division. Certified armorer for AR-15/M-16 rifles, Sig-Sauer and Glock pistols. Selected by Chief of Police to serve as System Manager for the DBI Live-Scan Fingerprint System including initial system set-up, troubleshooting and eventual transition into Cook County-wide area Live-Scan and digital "mug shot" network.
- EVIDENCE TECHNICIAN, Investigations and Patrol Divisions. Wrote Department General Order 5.18 "Crime Scene Responsibilities." Investigated and photographed serious personal injury traffic accidents, conducted technical follow-up investigations and mathematical traffic crash reconstruction and analysis. Was Department's first Illinois and nationally certified Crash Reconstructionist. Processed crime scenes for physical evidence, photographed, recovered and inventoried evidence for later court presentation. As a detective, was responsible for the coordination of evidence processing services at major incident crime scenes. Prepared yearly budgets and purchased all E.T. Unit supplies.
- POLICE OFFICER, Patrol Division/Investigations Division. Illinois Law Enforcement Training and Standards Board certified instructor for Firearms (Pistol, Shotgun and Rifle), Firearm Training Simulator III (F.A.T.S), Evidence and Crime Scene Processing, Traffic Crash investigation, Computer Assisted Crash Investigation, Crime Scene Drawing and Report Writing. Served for two years on the Illinois Law Enforcement Training and Standards Board (ILETSB) Crash Reconstruction Advisory Committee assisting in reviewing the certification test. Member of Department Instructor Group, serving as Firearms Instructor, In-Service Training Instructor (Report Writing and Live-Scan), State's Attorney's Office Seminar Series (Crime Scene Update) and the Citizen's Police Academy (Traffic and Crime Scenes).
- POLICE OFFICER: Triton College Police Department, River Grove, Illinois. Was primary response unit for police and security services on a community college campus with a student population of over 23,000. Responsible for training, supervision and scheduling of twelve Cadet Dispatchers and Public Safety Officers.
- SECURITY OFFICER: Rush-Presbyterian-St. Luke's Medical Center, Chicago, Illinois. Responsible for providing security and fire protection services for a 5,000 employee teaching Medical Center in an urban environment.

#### **PROFESSIONAL QUALIFICATIONS AND AFFILIATIONS:**

Accredited Traffic Accident Reconstructionist (ACTAR), Accreditation Commission for Traffic Accident Reconstruction (#336)

Accident Reconstruction Specialist, Illinois Local Government Police Training Board

Member, National Association of Professional Accident Reconstruction Specialists

Member, Past President and Past Secretary, Illinois Association of Technical Accident Investigators

Member, National Association of Professional Accident Reconstruction Specialists

Member, Illinois Division International Association of Identification

Member, Past Secretary and Past Treasurer, Fraternal Order of Police, Oak Park Lodge #8