

**BenchMark**  
**Traffic Services, LLC**  
(517) 622-3135  
**William W. Brandt**

William Brandt retired from the Michigan State Police after 25 years of service, 15 of which were in the traffic services area. At the time of his retirement, he held the rank of Specialist Lieutenant assigned to the Traffic Services Section of the Special Operations Division, in charge of the Traffic Crash Reconstruction Unit as well as overseeing the Traffic Control Order process for the setting of speed limits and parking restrictions on roadways outside of cities and villages statewide.

Mr. Brandt has been involved in traffic crash reconstruction since 1982 and has in excess of 2000 hours of traffic crash investigation and reconstruction training. He was the first Michigan State Police reconstruction specialist to become nationally accredited by the Accreditation Commission for Traffic Accident Reconstruction (ACTAR) in 1993.

He was the primary instructor of basic traffic crash investigation at the recruit level, and At-Scene Traffic Crash Investigation training at the Michigan State Police Academy since 1992. He has been a certified law enforcement instructor for traffic crash investigation in the states of Michigan, Arkansas, New Mexico, and Florida, and is an adjunct faculty member of the Institute of Police Technology and Management, University of North Florida.

Mr. Brandt spent 4 years conducting traffic investigations relating to traffic control orders in the field prior to his becoming responsible for overseeing the program. These investigations included working with local county road commissions and the Michigan Department of Transportation conducting site visits, speed studies and recommending safe and reasonable speed limits and parking restrictions on roadways throughout the state.

BenchMark Traffic Services, LLC  
P.O. Box 534  
Grand Ledge, MI 48837-0534  
(517) 622-3135

## Technical Traffic Crash Investigation

Presented by:

**BenchMark**  
**Traffic Services, LLC**

and the



**February 6-17, 2006**

Troy Police Department  
Training Center  
4850 John R. Road  
Troy, MI 48085

## REGISTRATION FORM

Name: \_\_\_\_\_ Organization: \_\_\_\_\_  
Mailing Address: \_\_\_\_\_ Telephone: \_\_\_\_\_  
City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_  
Fax: \_\_\_\_\_ E-mail: \_\_\_\_\_  
Course Date: February 6-17, 2006 Location: Troy Police Dept. Training Center, 4850 John R. Rd. Troy, MI  
Return To: **Benchmark Traffic Services, LLC** Tuition: **\$ 500.00 per student**  
P.O. Box 534  
Grand Ledge MI 48837-0534  
Telephone/Fax: (517) 622-3135  
**Make checks payable to: Benchmark Traffic Services, LLC**

Detach and return with registration fee

## Technical Traffic Crash Investigation

Upon completion of this course, the student will be able to explain and demonstrate competence in the following areas:

- Lamp Examination.
- Speed estimate from the following:
  - Skid marks.
  - Scuff marks.
  - Airborne situations.
  - Conservation of Linear Momentum.
- Review of physical evidence and its importance in the crash investigation.
- Examination of vehicle tires to determine if they contributed to the crash.
- Study of vehicle dynamics, Newton's Laws of Motion, basic physics and mathematical concepts.
- Study of the relationship of time, distance and velocity as it relates to crash investigation.
- Proper use of geometry and trigonometry in crash investigation.
- Principles of vectors and their use in crash investigation.
- Airborne equations and their use in crash investigation.
- Conservation of Linear Momentum and its use in crash investigation.
- Advanced measuring and drawing techniques.
- Field exercises and project work.

BenchMark Traffic Services, LLC in conjunction with the Michigan State Police, Traffic Services Section announce the scheduling of a Technical Traffic Crash Investigation course to be presented February 6-17, 2006 at the Troy Police Department Training Center, located at 4850 John R. Road, Troy, MI.

Instructors will be Mr. William Brandt, retired member of the MSP and former MSP Traffic Crash Reconstruction Unit commander along with current active MSP reconstruction specialists.

The scope of this 80 hr. course is to provide the student with the necessary skills required to take information obtained from a crash scene and complete a technical traffic crash investigation. This course is registered with MCOLES.

At the completion of this course, the student will be able to continue with advanced training at the Reconstruction level.

For additional information contact:

Mr. William Brandt (517) 622-3135  
Sgt. Mike Bjork, Troy P.D.  
(248) 524-3430