

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

At-Scene Traffic Crash Investigation

Presented by:

BenchMark
Traffic Services, LLC

and the



June 12-23, 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: June 12-23, 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

At-Scene Traffic Crash Investigation

Upon completion of this course, the student will be able to:

- Measure crash scenes using the Coordinate method and Triangulation method of measuring.
- Create accurate field sketches and table of measurements to record scene data.
- Interpret skid mark evidence and differentiate between skid marks, yaw marks, and tire prints.
- Accurately measure tire marks and roadway evidence for documenting in a scale diagram.
- Photograph crash scenes as a method of documenting evidence.
- Create accurate scale diagrams of crash scenes using basic drafting equipment.
- Calculate accurate speed estimates using accepted speed formulas, including:
 - Minimum speed from skid marks – level surface, on a grade, partial braking and a combination of any of the previously mentioned situations
 - Determination of drag factor using both test skids and drag tire
 - Distance covered sliding from a known speed
 - Critical speed formula
 - Airborne equations
- Have an understanding of the human factors and the series of events that are involved in traffic crashes and how they affect the crash investigation.
- Have an understanding regarding the classification of traffic crashes for reporting purposes.

BenchMark Traffic Services, LLC in conjunction with the Michigan State Police, Traffic Services Section announce the scheduling of an At-Scene Traffic Crash Investigation course to be presented June 12-23, 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 76 hr. course is to provide the student with the necessary skills required to document the scene of a traffic crash, create scale diagrams from field notes and field sketches and to be able to calculate vehicle speeds based on the laws of physics and the physical evidence visible at the scene of the crash. This course is registered with MCOLES.

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

For additional information contact:

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Sgt. Mike Bjork, Troy P.D.
(248) 524-3430