

## **INSTRUCTORS**

**Sgt. Ross Panacopoulos**, Massachusetts State Police, ACTAR # 299 has reconstructed over 1000 motor vehicle crashes, including 500 fatal crashes and has been recognized as an expert in courtrooms in Massachusetts, New Hampshire and Rhode Island. He is an instructor for the Massachusetts State Police, the National Highway Traffic Safety Administration, the Massachusetts Municipal Police Training Committee, and the Massachusetts Governor's Highway Safety Bureau.

**Trooper Paul Powell**, Massachusetts State Police, ACTAR # 461 has reconstructed over 500 motor vehicle crashes with many involving commercial motor vehicles. Trooper Powell was assigned to the Massachusetts State Police Reconstruction Section for over ten years and is currently assigned to the Massachusetts State Police Commercial Vehicle Enforcement Unit.



## **Crash Investigation Review and Updates 2007**

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**Purchase Orders and/or checks should  
be sent to:**

SRR Traffic Safety Consulting  
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Easthampton, MA 01027-1212

**Inquiries can be directed to:**  
Chief Reggie Redfern (Ret.)  
Phone: 413-527-6072  
E-mail: [reggie@srrtraining.com](mailto:reggie@srrtraining.com)

**Or**

Officer Jim Byrne  
North Las Vegas Police Department  
702-633-1017 x5031  
E-mail: [ByrneJ@cityofnorthlasvegas.com](mailto:ByrneJ@cityofnorthlasvegas.com)



**SRR Traffic Safety  
Consulting**

**&**

**The  
North Las Vegas  
Police Department**

**Present**

## **Crash Investigation Review and Updates 2007**



**North Las Vegas  
Police Department  
3755 W. Washburn  
North Las Vegas, NV 89031**

**May 21-25, 2007**

## Crash Investigation Review and Updates 2007

This class is a comprehensive review, plus known updates, in the field of crash investigation. Crash investigation and reconstruction is a skill that requires those individuals that are called upon to investigate motor vehicle crashes to be a finder of facts. Were human factors involved? Was



reduced visibility a causative factor? Could it be that the crash was unavoidable? Was mechanical failure an issue? Was it preventable? These, and

numerous other issues, will be discussed in this week long review with others charged with the answering the same questions, "Who and/or what caused the crash?"

Each year, over 40,000 individuals are killed in the United States with hundreds of thousands injured. While nearly three times the number of people are killed in motor vehicle crashes than by all forms of homicide combined, crash investigators sometimes are faced with challenges in obtaining the training they need. This class focuses on some the more common types of crashes that they may encounter and explores on the surface, some of the more in-depth areas that they may want to consider in the form of advanced training in the future.

## Course Contents

The following subjects and more will be explained and demonstrated in a very "hand-on" environment.

- Traffic Template Usage
- Basic Physics Concepts;
- Newton's Laws of Motion;
- Vehicle Damage Analysis;
- Perception and Reaction Times;
- Visibility Assessments;
- Time and Distance Studies;
- Airborne Equations;
- Conservation of Linear Momentum;
- Vector Analysis;
- Photography;
- Advanced Measuring; and
- Diagramming.
- Lamp Examination
- Vehicle Dynamics
- Tire Marks and Tire Evidence
- Roadway Evidence Determination, Recording and Preservation
- Photography
- Conservation of Linear Momentum;
- In-line Impacts;
- Oblique Impacts;
- Utility Pole Impacts;
- Multiple Departure Momentum Analysis;
- Vector Analysis;
- Pedestrian Collision Reconstruction;
- Derivation of Equations, Including: Kinetic Energy Formula, Minimum Speed Formula Combined Speeds, Critical Speed Equation and Yaw Radius Equation.
- Use of Quadratic Equation;
- Motorcycle Speed Estimates;
- Commercial Vehicle Collisions;
- Fundamentals of Reconstruction Computer Software Programs; and Case Studies.



## Crash Investigation Review and Updates 2007

**Who Should Attend:** Individuals that have completed [SRR's Advanced Crash Investigation](#) and/or [SRR's Crash Reconstruction](#) or their equivalence.

**Where:** North Las Vegas Police Department  
3755 W. Washburn  
North Las Vegas, NV 89031

**When:** May 21-25, 2007

**Time:** 8:00am—4:00pm

**Registration:** 7:30am—8:00am  
May 21, 2007

**Cost:** \$ 575.00

**Register at**

<http://srtraining.com/registration.html>