### **Our Mission**

The mission of Dynamic Safety L.L.C. is to provide our clientele with the best in accident reconstruction, accident investigation, transportation safety and expert testimony. We pride ourselves in a careful and professional approach with the utmost respect to truth and ethics. Dynamic Safety will provide these services by utilizing the best in technology and industry information.



Dynamic Safety L.L.C. principal consultants are **current** adjunct staff and/or former full time faculty of the Northwestern University Center for Public Safety (Formerly the Traffic Institute).



## **Dynamic Safety L.L.C.**



Example of an EDC© simulation and environment modeling

Dynamic Safety L.L.C.

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## **Our Partners**

#### Michael DiTallo

Michael DiTallo was previously the Associate Director of the Accident Investigation Division at Northwestern University Traffic Institute and remains an adjunct faculty member. He developed and taught courses in traffic accident reconstruction and computer reconstruction and simulation. Mr. DiTallo was a contributing author of the *Traffic Collision* Investigation text published by Northwestern University Center for Public Safety (Formally the Traffic Institute). He has extensive experience in accident investigations and accident reconstruction having been involved in law enforcement since 1988 and private consulting since 1995. He utilizes state of the art computer programs (HVE® software. AutoCAD®. AVID®) for his reconstructions. analysis, simulations and reproductions. Mr. DiTallo has served as an expert witness in a number of states in civil, criminal and federal cases. Mr. DiTallo is a State of Illinois certified Crash Reconstruction Specialist and holds an accreditation from ACTAR.

### **Thomas Green**

Thomas Green has over twenty years of experience in the area of vehicle systems analysis and vehicle accident reconstruction. He has inspected hundreds of vehicles that have been involved in collisions for purposes of determining whether certain vehicle systems performed as expected. Mr. Green has reconstructed many different types of vehicular collisions: including passenger vehicles, heavy trucks, pedestrians, motorcycles and recreational vehicles. These reconstructions have utilized two and three dimensional simulations. Mr. Green is also employed as a part time adjunct instructor at Northwestern University Center for Public Safety (Formerly the Traffic Institute) where he teaches courses in the area of accident reconstruction. Mr. Green has a bachelor of science degree in mechanical engineering from Bradley University. He also holds an accreditation from ACTAR. He is also certified as a Fire and Explosion Investigator, a Child Safety Seat Technician and an ASE Automotive Technician.

### Richard Cannon

Richard Cannon is a licensed professional engineer with a strong background in Transportation and Traffic Engineering and Planning. During his career he has worked as a team member, project manager, technical expert, personal mentor, and educator. Mr. Cannon is also employed as a part time adjunct instructor at Northwestern University Center for Public Safety (Formerly the Traffic Institute) and University of Wisconsin - Madison where he teaches courses in the area of traffic engineering and design of transportation facilities. Numerous public agencies, law firms, insurance companies, and universities have asked Mr. Cannon to provide them technical analysis and expert testimony relating to traffic operations and safety, roadway characteristics, parking operations, access management, railroad grade crossing as well as a variety of other traffic and transportation engineering matters.



Example of an EDC© simulation and environment modeling

# The Services of Dynamic Safety L.L.C.

# Dynamic Safety offers services in the following areas:

### ACCIDENT RECONSTRUCTION/INVESTIGATION

- Accident Reconstruction
- Accident Investigation
- Expert testimony
- Vehicle accident cause analysis
- Vehicle responses to human/vehicle/environmental factors utilizing HVE® simulations
- Driver and passenger kinematics
- Accident reconstruction utilizing HVE® analysis
  - Passenger vehicle
  - Light duty trucks
  - Heavy vehicle
  - Bicycles
  - Pedestrians
  - Motorcycles
  - Recreational vehicles
- Crash data retrieval (black box data and analysis)
- Heavy vehicle E.C.M. data retrieval and analysis
- Heavy vehicle GPS data/tachograph analysis

- Heavy vehicle collision avoidance systems and/or ABS systems data retrieval and analysis
- Vehicle acceleration testing
- Vehicle lamp examination
- Vehicle fire analysis
- Vehicle systems analysis
- Vehicle defect analysis
- Vehicle crashworthiness
- Photogrammetry
- Photography and digital video documentation
- Vehicle handling analysis
- · Vehicle roll-over analysis
- Vehicle inspections
- Vehicle and component testing
- Safety systems analysis
- Vehicle damage documentation and analysis
- Accident site documentation utilizing Total Station technology
- Simulation results produced to DVD, VHS or computer file format
- Full DVD, video, computer file format editing with AVID®
- Trial exhibits
- Indoor and secured vehicle & evidence storage

### PRODUCT LIABILITY CONSULTING

- Potential case evaluations
- Document Review
- Patent Research
- Discovery Preparation
- Deposition Preparation and Assistance
- Trial Preparation and Assistance



Example of an EDC© simulation of a pedestrian impact.

# to a crash site within 24 hours to collect data.

Protect critical evidence by contacting us for this important service. Michael DiTallo heads up the Response Team and should be contacted directly (847-550-8560 ext. 201).

**Fast Action Response Team** 

Some of the most critical accident data is

The quality and accuracy of the reconstruc-

tion and analysis is reliant on gathering of

data. To this end, Dynamic Safety L.L.C.

partners will respond, whenever possible,

only present at the time of the accident.

### **TRAFFIC and TRANSPORTATION SAFETY**

- Traffic and transportation planning
- Traffic signal operations
- Traffic signing and pavement marking
- Right of way issues
- Roadway construction zone safety
- Land/roadway access
- Roadway design analysis

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