

About the course

Accident Reconstruction (Level IV)

This 10 day school is designed for an experienced law enforcement officer who has had previous training in basic and advanced accident investigation. The student should be familiar with basic speed calculations, radius of curve calculations, critical speed, scale drawings, damage analysis, principle direction of force (thrust), damage measurement, traffic templates and coefficient of friction. Although reconstruction typically requires advanced mathematical calculations and a basic understanding of physics, it is much more than that. Reconstruction is a process of correctly analyzing data and evidence and then thinking about what it means. Topics will include mechanics, dynamics, airborne equations, vehicle and occupant behavior in accidents, articulated vehicles, trigonometry, motorcycle accident reconstruction, pedestrian accident reconstruction, night time visibility experiments, and conservation of linear momentum. Numerous case studies will be analyzed to arrive at reasonably accurate opinions.

About the Instructors:

Henry P. Lipian: (ACTAR #83) B.S.S. Mr. Lipian is a former municipal police sergeant, federal officer with the U.S. Coast Guard and Ohio State Trooper. He has been involved full-time in the private area of crash reconstruction since 1989. He is a graduate of specialized crash investigation and reconstruction schools from Texas A&M University, Northwestern University, The Highway Patrol Academy, Underwriter's Laboratory, The University of North Florida and others. He is the President and CEO of INTROTECH Crash Reconstruction Services Inc. in Grafton, Ohio. He is a court accepted expert in both traffic and watercraft crash reconstruction.

Vince Cronin (ACTAR #2389) was a career law enforcement officer and retired in 2017 from the Eastlake Police Dept. During his law enforcement career, Mr. Cronin was assigned to the Motorcycle Unit, Field Training Unit, and was the Department's Driving Instructor. He also served as the Operations Commander for the Lake Regional Crash Reconstruction Unit and has been involved in countless investigations and reconstructions of serious injury and fatal crashes throughout Lake County, Ohio. Mr. Cronin also served as a basic police instructor with Lakeland Community College and Bryant & Stratton College, as well as the Ohio Peace Officers Training Academy in London, Ohio, instructing courses in Crash Investigation & Crash Reconstruction.

Matthew Healy graduated from the IPTM accident reconstruction school and had previously completed both Basic and Advanced Accident Investigation training through NUTI. Mr. Healy previously worked for 8 years as a professional videographer, specializing in corporate commercials, wedding videography, and training videos. He has a bachelor's degree in Electronic Media Production from Kent State University. Today visual and audio evidence is everywhere and can be found at more locations and from more diverse sources than ever before. With the capabilities of his editing suite, Mr. Healy can enhance visual and auditory evidence and convert it into usable data. Mr. Healy's focus is to find the metadata within the video, determine frame counts and specs of the video, enhance both the video and audio, and help identify the who, what, when, where and why of the case.

About the topics

- Process of Crash Reconstruction
- Driving Strategy and Tactics
- Perception and reaction Time
- Night-time Visibility
- Review of Dynamics Equations and Formulas
- Vehicle and Occupant Behavior
- Heavy Trucks and Articulated Vehicles
- Trigonometry
- Motorcycle accident reconstruction
- Pedestrian accident reconstruction
- Airbags, Sensing Diagnostic Modules, Occupant Safety Systems
- Conservation of linear momentum
- Resultant Friction and Variables
- Total Station, VC-2000 review
- Video Forensics
- Visual and Auditory evidence
- Meta-data within the video
- Frame counts and specs of video
- Evidence Preservation Issues
- Report Writing & Expert Testimony
- Numerous practical exercises and Case Studies
- Final examination

REGISTRATION INFORMATION

Name _____
Agency _____
Address _____
City _____ State _____
Zip _____ Phone _____
FAX _____ e-mail _____

Registration fee:
\$950.00 per person

Training Site:

**Brooklyn Police Department
8000 Memphis Avenue
Brooklyn, Ohio**



4 WAYS TO REGISTER:

On Line: www.ncpi-ohio.com

**Mail: North Coast Polytechnic Institute
Attn: William D. Healy, Director
6688 Steinbeck Court
North Ridgeville, Oh 44039
Phone (440) 353-0796**

e-mail: info@ncpi-ohio.com

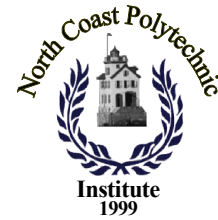
Fax: (440) 353-0797

FOR OFFICE USE ONLY

School No _____
School: Accident Reconstruction (Level IV)
Brooklyn PD Oct 30 – Nov 10, 2023

WEB: www.ncpi-ohio.com

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**Accident
Reconstruction
(Level IV)**

**HOSTED
BY**



**Brooklyn Police
Department**

**Level IV
2 week school**

**Oct 30 – Nov 10,
2023**

Cost: \$950.00

**8:00 AM – 4:30 PM
each day**