

## **Institute of Risk & Safety Analyses**

5324 Canoga Avenue  
Woodland Hills, CA 91364  
established 1974  
TEL: (818) 348-1133  
TEL: (800) 429-9938  
FAX: (818) 348-4484



## **Laboratory of Risk & Safety Analyses**

(Address all mail to: 5324 Canoga Avenue)  
5120 Canoga Avenue  
Woodland Hills, CA 91364  
established 1995  
TEL: (818) 226-9974  
FAX: (818) 226-9979

**Librado Mancilla Jr., B.S.**  
FORENSIC SCIENTIST

### **ACADEMIC CREDENTIALS**

B.S.                      Physics, California State Polytechnic University, Pomona, 2019

### **CERTIFICATES**

Certificate	Crash Data Retrieval (CDR) Technician Level I and II Courses, 2021
Certificate	Crash Data Retrieval (CDR) Analyst (40 hours), 2023
Certificate	Advanced Event Data Recorder (EDR) Analyst (40 hours), 2024
Certificate	Optical Engineering, UC, Irvine, 2024

### **MEMBERSHIP**

National Association of Professional Accident Reconstruction Specialists

### **ACCIDENT RECONSTRUCTION, PREMISES LIABILITY & COMPUTER DRAFTING**

Mr. Mancilla earned his Bachelor of Science in Physics from California State Polytechnic University, Pomona. The acquisition of such a degree required the study of the principles of physics, optics, static and dynamic systems, kinematics, thermodynamics, electromagnetism, and computer-aided analysis. Mr. Mancilla applies his knowledge of physics in the field of accident reconstruction to aid in the analysis of transportation accidents and premises liability issues.

Mr. Mancilla also applies principles of physics and mathematics to analyze and reconstruct accidents. For transportation accidents, he uses analysis and problem-solving skills refined in his undergraduate years to investigate and determine information vital to accident reconstruction (such as the angle of impact, crush depths, change in velocity, G-forces, speed of the vehicles involved, and the acceleration and forces experienced as a result of a collision). For premises liability, Mr. Mancilla uses his knowledge of the ICC, ANSI, and OSHA standards to determine liability.

Mr. Mancilla employs the discipline of accident reconstruction to analyze safety in designs, practices, and procedures. His forensic investigations have included the following types of accidents: automobile vs. automobile; automobile vs. pedestrian; slip and fall; trip and fall; and premises liability.