

EDUCATION :

Associates of Pre-Engineering in Mechanical Engineering

REGISTRATION

Accredited Traffic Accident Reconstructionist (A.C.T.A.R.),
Registration No.2328

EXPERIENCE:

Accident Reconstruction Knott Laboratory, LLC 5/2025
Lead Detective Unified Police Collision Analysis and Reconstruction
(C.A.R.) unit 05/2022 to 05/2025
Detective Unified Police C.A.R. unit 11/2011 to 05/2022
Detective Salt Lake County Sheriff's Major Accident Team unit (M.A.T.) 08/2008 to 12/2010
Salt Lake County Sheriff's Deputy 08/2005 to 08/2008
Salt Lake County Sheriff's Corrections Officer 08/2002 to 11/2004



COLLISION RECONSTRUCTION :

Mr. Masock has managed the manpower of a multi-agency agreement which investigated major collisions involving serious bodily injury or death. This included the management of scene evidence collection, interpretation and analysis. Mr. Masock assisted other local agencies in the Salt Lake County region with training and instruction in the mathematical analysis of collision dynamics. This included but is not limited to complete reconstruction of collisions, light timing, time distance analysis, pre and post speed analysis, CDR data collection and analysis, impairment, human factors, energy from crush, case screening, court preparation and presentation. Over the course of Mr. Masock's employment with both the Unified Police Department and Salt Lake County Sheriff's Office, Mr. Masock has completed or assisted with the completion of nearly 1000 cases involving serious bodily injury or death.

COLLISION RECONSTRUCTION TECHNOLOGIES :

Mr. Masock uses various technologies and software available in collision reconstruction throughout all stages of analysis, evidence gathering, time distance, light timing, human factors and vehicle data systems (Electronic Data Recorders or Airbag Control Modules). Scene documentation may be collected using laser mapping or drone photogrammetry. This data is processed using software to complete a 3D image in virtual space where measurements and evidence can be analyzed to complete the reconstruction. Mr. Masock is certified in Bosch CDR (Crash Data Retrieval) software in both retrieval and analyzing collected data images. In addition, Mr. Masock is a certified FARO laser scanner instructor.

EXPERT TESTIMONY:

As a result of Mr. Masock's investigations and analyses, he has provided expert testimony in court and has been brought in as an advisory witness by the District Attorney's Office. Mr. Masock has been utilized in both plaintiff and defendant motor vehicle collisions.

INVESTIGATION AND POLICING:

Mr. Masock's investigation with both the Salt Lake County Sheriff's Office and the Unified Police Department included evidence gathering of physical, digital, video, photographic, witness interviews, searches, phone records, GPS data both by phone location and possibly vehicle infotainment systems to potentially map vehicle path of travel. He has experience in DUI enforcement, use of force and de-escalation, and traffic incident management.