



Weston Forensic Collision Investigations
P.O. Box 14753
Scottsdale, AZ 85267-4753
480-270-4323
weston@westonforensic.com

Curriculum Vitae of Weston H. Brown

Weston is a court qualified expert in vehicular crimes including collision reconstruction and Event Data Recorder analysis.

Professional Experience:

April 2020 to Present:

Weston Forensic Collision Investigations

Principal Investigator

Manage, investigate, report and testify on collision reconstructions. Experience including Insurance claims, both plaintiff and defense, as well as product liability and criminal defense.

May 1995 to July 2020:

Scottsdale Police Department

Vehicle Crimes Unit

Oversee and manage complex vehicular crime investigations resulting in charges up to and including First Degree Murder. Manage a team of 7 detectives.

Sergeant, Patrol Assignment and Mounted Unit

Vehicle Crimes Unit

Senior Detective

Patrol Police Aide/Officer

May 2005 to Present:

University of North Florida, IPTM Adjunct Faculty

Manage, develop and instruct coursework and curriculum related to crash investigations including the analysis of on-board telemetry recording units and their application to the crash reconstruction. Instruct Applied Physics to Collision Reconstruction.

Education:

Northern Arizona University

Bachelor of Science - Technical Education

4.0 GPA

Scottsdale Community College

Associate of Arts Degree, Administration of Justice.

86 Credit Hours, 3.279 GPA

Associate of Science, General Studies

86 Credit Hours, 3.279 GPA

Private Pilot, Instrument Rating, Single Engine Land, sUAS rating, 2nd Class Medical



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Specialized Crash Investigative Training:

Virtual Crash

January 2022 – Virtual Crash training – 24 hours

FARO

June 2019 - Using the FARO Scanner and FARO Scene – 40 hours

University of North Florida:

June 2021 – Special Problems in Crash Reconstruction – 24 Hours

May 2018 - Special Problems in Crash Reconstruction – 40 Hours

April 2018 – Event Data Recorder Analysis, Level Two – 40 Hours

October 2017 - Pedestrian/Bicycle Crash Investigations – Level II – 40 Hours

August 2017 – Forensic Investigations for Crash Reconstruction – 40 Hours

August 2016 – Unmanned Aerial Vehicles – Ground School & Flight Training – 40 Hours

May 2015 – Special Problems in Crash Reconstruction – 40 Hours

September 2014 – IATAI Conference, Peoria, Illinois – 32 Hours

May 2014 – Special Problems in Crash Reconstruction – 40 Hours

April 2013 – Special Problems in Crash Reconstruction – 40 Hours

April 2009 – Special Problems in Crash Reconstruction – 40 Hours

April 2008 – Special Problems in Crash Reconstruction – 40 Hours

April 2007 – Special Problems in Crash Reconstruction – 40 Hours

September 2006 – Energy Methods in Traffic Crash Reconstruction – 40 Hours

April 2006 – Special Problems in Traffic Crash Reconstruction – 40 Hours

January 2003 – Applied Physics for the Crash Investigator – 40 Hours

May 2002 – Crash Data Retrieval Tool Certification Course – 40 Hours

April 2002 – Special Problems in Crash Reconstruction – 40 Hours

October 2001 – Commercial Motor Vehicle Collision Reconstruction – 40 Hours

September 2001 – Motorcycle Collision Reconstruction – 40 Hours

June 2001 – Pedestrian Collision Reconstruction – 40 Hours

June 2000 – Collision Reconstruction – 80 Hours

May 2000 – Advanced Collision Investigations – 80 Hours

Accident Reconstruction Connection and Collision Safety Institute:

March 2019 – Annual Arc-CSI EDR Summit – 20 Hours

February 2018 – Annual ARC-CSI EDR Summit – 20 Hours

January 2007 – Annual ARC-CSI CDR Users Conference – 20 Hours

February 2006 – Annual ARC-CSI CDR users Conference – 20 Hours

February 2006 – Crash Data Retrieval Tool Technician Level Train the Trainer – 16 Hours

July 2004 – Crash Data Retrieval Tool – 40 Hours

Vetronix:

March 2002 – CDR Tool – 24 Hours

Toyota Motor Company:

April 2011 – Specialized Toyota EDR Tool and Bosch CDR Tool, (by invitation only training) – 24 Hours

Aircraft Owners and Pilots Association:



Symposium Presentations

UNF – Special Problems in Traffic Crash Reconstruction

- 2021** – Application of Uniform Projectile Motion
- 2019** – Tesla EDR; Evidence, Data and a Case Study
- 2018** – Using Victim Vehicle EDR to Calculate Suspect Vehicle Speed
- 2015** – Statistical Analysis and Speed Range Reduction
- 2014** – Application of Uniform Projectile Motion – **Awarded Speaker of the Year**
- 2013** – Minimizing Speed Ranges
- 2009** – Resolving Delta-V Vectors to calculate Impact Speeds
- 2008** – Consolidating PCM Data

ARC-CSI EDR Summit

- 2019** – Tesla EDR; Evidence, Data and a Case Study
- 2006** – Resolving Delta-V Vectors in EDR's.

Pennsylvania State Police Conference

- 2019** – Tesla EDR; Evidence, Data and a Case Study
- 2016** – Minimizing Speed Ranges

Illinois Association of Technical Accident Investigators

- 2021** - Airborne Vehicle Dynamics
- 2019** – Tesla EDR; Evidence, Data and a Case Study
- 2014** – Application of Uniform Projectile Motion and Minimizing Speed Ranges

Southwest Association of Technical Accident Investigators

- 2019** – Tesla EDR; Evidence, Data and a Case Study
- 2007** – Application of Rotational Acceleration in Airborne Events

Publications and Research:

2021-22 – Investigation and response to an Autonomous Truck Mounted Attenuator collision

- In conjunction with Colorado State University and the Colorado Department of Transportation – SAE publication expected

Fall 2019 – “Tesla EDR” – Collision Magazine; Fall, 2019. (Available upon request)

May 2011 – “Complacency Kills” – Law Officer Magazine Online, May 2011.

<http://lawofficer.com/2011/05/16/complacency-kills/>

January 2009 – “Crash and Crime Diagramming” - Law Officer Magazine; January 2009. (Available upon request)

February 2008 – “Collision Investigation: Know and Use the Tech Behind Vehicle Crashes” - Law Officer Magazine; February, 2008. (Available upon Request)



February 2006 – “Analysis of the GM Sensing and Diagnostic Module in 360° Linear Momentum Collisions: Real Case Analysis” – Collision Magazine; March, 2006. (Available upon request)

January 2003 – “Airborne Vehicle Dynamics, A Study into the Background, Viability, and Accuracy of Airborne Speed Estimating” – www.arcnetwork.com; January, 2003. (Available upon request)

September 2001 – Accident Investigations. AZ Post. 147 Page Text Published for the Arizona Peace Officer Standards and Training Board. (Available upon request)

Professional Organizations:

Society of Automotive Engineers (Past Member)
Southwest Association of Technical Accident Investigators
Arizona Traffic Investigators Association (Past Member)
Stay Alive at 25 (Past Member)
Aircraft Owners and Pilots Association (Past Member)

Television (Available upon request):

May 2012 – Sonoran Living – 100 Club Spot
May 2012 – University of Phoenix Math Video
February 2007 – Accident Investigator – Discovery Health Channel.
*** Numerous other news interviews not included in this list**

Volunteerism:

FAA Safety Team Volunteer, July 2018 to Present
HorSense Volunteer, October 2011 to Present

Court Testimony:

September 2022 State v Carrasco CR-2019-031015-001

