



**James C Payne** – Collision Reconstructionist, EDR Analyst, sUAS Remote Pilot  
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ACTAR #2655

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## **INTRODUCTION**

I served as a Deputy Sheriff with the Clark County Sheriff's Office for over 24 years. I began my law enforcement career in January 1999 as a Reserve Deputy with Clark County. In October 2000 I was hired by the Clark County Sheriff's Office as a full-time Deputy Sheriff. I worked as an Enforcement Deputy from 2001-2003. I was assigned as a School Resource Officer for the 2003-2004 school year. I returned to patrol from 2004 until 2011. In March 2011 I was selected for a position with the Traffic Unit as a Collision Investigator and served for 9 years. I have served as a Drug Recognition Expert (DRE), Field Training Officer (FTO), Firearms Instructor, EVOC Instructor, Nationally Certified Child Passenger Safety Seat Technician, Search and Rescue Coordinator and Trainer, and an FAA Certified Unmanned Aircraft Systems (UAS) Operator/Pilot and currently hold an FAA part 107 certification as an sUAS operator.

In the past 19 years I have attended more than 1029 hours of formal training directly related to collision investigation. I hold certification as an Accredited Collision Reconstructionist through the Accreditation Commission for Traffic Accident Reconstruction (ACTAR #2655). I have investigated hundreds of at-scene serious injury and fatality collisions and hundreds of non-injury or minor injury collisions. I have received over 229 hours of specialized training in detecting and documenting drug impaired drivers and served as a Drug Recognition Expert (DRE) for six years. I am certified through the Washington Criminal Justice Training Commission as an instructor in Basic, Advance, and Tech level Collision Investigation. I served as an Emergency Vehicle Operations Instructor (EVOC), which included training in vehicle dynamics and human factors. In total I have attended more than 3640 hours of police training and have given over 611 hours of training classes and presentations in my law enforcement career. In the past two years I have assisted the Sheriff's Office Traffic Unit with completing a backlog of investigations and have been serving as a mentor to the Unit.

## **EDUCATION**

1981-1985 – Graduated from Columbia Adventist Academy (high school)

1987-1988 – Walla Walla College - Biomedical Electronics Technology

1989-1990 – US Army/Oregon Army National Guard – Basic Training (FT. Knox, Kentucky), Advanced Individual Training (AIT) – Medical Specialist/Combat Medic/EMT National Registry.

1993-1994 – Clark College – Computer Aided Design (CAD)

## **MILITARY SERVICE**

1989-1994 Oregon Army National Guard

**RELEVANT WORK HISTORY**

10/2000 – Present Deputy Sheriff - Clark County Sheriff's Office

01/1999 – 10/2000 Reserve Deputy Sheriff – Clark County Sheriff's Office

04/1997 – 06/2000 Design Engineer/3-D Printer Technician - Emerge Incorporated

10/1995 – 04/1997 Engineering Detailer/ Grade Railroad Crossing Design – Omni Products Incorporated

03/1994 – 10/1995 Fire Protection Designer/Draftsman– Vanport Fire Sprinklers

**PROFESSIONAL AFFILIATIONS**

Member of the Washington Association of Technical Accident Investigators (WATAI)

Member of the National Association of Professional Accident Reconstruction Specialists (NAPARS)

Nationally accredited as a collision reconstructionist through the Accreditation Commission for Traffic Accident Reconstruction (ACTAR #2655)

**TRAINING, TEACHING and PRESENTATIONS**

**1999**

01/1999 - 07/1999 Completed the Washington State Basic Reserve Law Enforcement Academy (245hrs)

**2000**

Jan 2000 - Attended 3-day Street Survival Seminar (24hrs)

Apr 2000 - Attended CJTC Handgun Instructor Development School (44hrs)

Oct 2000 – Attended the Washington State Basic Law Enforcement Academy (70hrs)

**2001**

Mar 2001 – BAC certification (4hrs)

**2002**

Jul 2002 – Tactical Handgun Instructor School (40hrs)

**2003**

Mar 2003 – Glock Armors School (8hrs)

Jun 2003 – EMT Basic School (110hrs)

Jun 2003 – Pre-Hospital Trauma Life Support (PHTLS) (16hrs)

Jul 2003 - Attended the National School Resource Officer Conference in Las Vegas (24hrs)

## **2004**

Jan 2004 – Presenter – Cops and Docs at Covington Middle School (4hrs)

Feb 2004 – Presenter – Cops and Docs at Pacific Middle School (4hrs)

Feb 2004 – BAC re-certification (4hrs)

Mar 2004 – Standardized Field Sobriety Training (SFST) and wet lab (24hrs)

May 2004 – Instructor – High Risk Traffic Stop Refresher for CCSO Reserves (2hrs)

Jun 2004 – Basic Marine Law Enforcement School (40hrs)

Jun 2004 – Basic LIDAR Operator (4hrs)

Jul 2004 – Basic Patrol Rifle Firearms Instructor Course (40hrs)

Dec 2004 – EMT-IV Technician School (35hrs)

## **2005**

Mar 2003 – Field Training Officer's Academy (40hrs)

Sep 2005 – Incident Command System (ICS) 700 (3hrs)

May 2005 – Basic Collision Investigation (40hrs)

## **2006**

Jan 2006 – Advanced Collision Investigation (80hrs)

Apr 2006 – Urban Search and Rescue Operations (16hrs)

Apr 2006 – Instructor – Wilderness First Aid and Evacuation with field exercise for CCSO SAR Team (6hrs)

Aug 2006 – Incident Command System (ICS) 100 (3hrs)

Aug 2006 – Incident Command System (ICS) 200 (3hrs)

Aug 2006 – WSCJTC Handgun Instructor re-certification

## **2007**

Mar 2007 – BAC re-certification (4hrs)

**2008**

May 2008 – Technical Collision Investigation (120hrs)

Dec 2008 – Incident Command System (ICS) 300 (16hrs)

**2009**

Jan 2009 – National Inland Search and Rescue School (40hrs)

Feb 2009 – Incident Command System (ICS) 400 (16hrs)

Mar 2009 – National Child Passenger Safety Seat Technician Certification (24hrs)

Sep 2009 – Presenter – CRESA 911 Open House, Search and Rescue Ops (3hrs)

Sep 2009 – Advanced Roadside Impaired Driving Enforcement (ARIDE) (16hrs)

Sep 2009 – NHTSA Drug Recognition Expert (DRE) Preschool (16hrs)

Sep 2009 – NHTSA DRE School #20 (64hrs)

Oct 2009 – DRE Field Certifications – Seattle PD (48hrs)

**2010**

Jun 2010 – Preliminary Breath Test (PBT) Technician (4hrs)

Feb 2010 – Crash Injuries and Occupant Kinematics (4hrs)

Feb 2010 – Best Practices in Measuring and Diagramming Crash and Crime Scenes (4hrs)

Feb 2010 – Identification and Interpretation of Roadway and Vehicle Evidence (2hrs)

Feb 2010 – Essentials of Accident Scene Photography (1hr)

Feb 2010 – Collision-Related Physics, Including Courtroom Demonstrations (1hr)

Feb 2010 – Accident Reconstruction Case Studies (2hrs)

Mar 2010 – Washington DRE Conference (8hrs)

Sep 2010 – Presenter – 2010 CRESA 911 Open House, SAR Ops (3hrs)

Sep 2010 – Presenter – 2010 CCSO West Precinct Open House, SAR Ops (3hrs)

Nov 2010 – Collision Reconstruction at Traffic Signal Intersections (20hrs)

Nov 2010 – SECTOR Electronic Citation and Collision Reporting System (10hrs)

**2011**

Feb 2011 – Instructor – Wilderness First Aid and Evacuation with field exercise for CCSO SAR Team (6hrs)  
Mar 2011 – Promoted to Collision Investigation Detective with CCSO Traffic Homicide Unit  
May 2011 – WATAI Spring Conference – Pole Collisions, Glass Identification, Light Bulb Analysis (7hrs)  
Jun 2011 – Total Station Basic Certification (16hrs)  
Apr 2011 – Oregon Drug Recognition Expert (DRE) Conference (16hrs)  
May 2011 – Washington State SAR Conference (12hrs)  
May 2011 – Presenter – Clark County S.A.L.T., Senior Safe Driving (1hr)  
Aug 2011 – County Accident Review Board – Reviewing Public Works Collisions  
Sep 2011 – Crash Data Retrieval (CDR) Technician 1 & 2 (16hrs)  
Sep 2011 – Presenter - 2011 CCSO West Precinct Open House, SAR Ops (3hrs)  
Sep 2011 - Presenter – 2011 CRESA 911 Open House, SAR Ops (3hrs)  
Oct 2011 – Washington State Patrol Collision Reconstruction (139hrs)  
Nov 2011 – DRE Re-certification  
Nov 2011- SAR Presentation to Boy Scout Jamboree (4hrs)  
Dec 2011 – ARAS 360 Collision and Crime Scene Diagramming Training (36hrs)

**2012**

Jan 2012 – FBI Digital Crime Scene Photography (40hrs)  
Jan 2012 – Presenter – Clark County S.A.L.T., Senior Safe Driving (1hr)  
Feb 2012 – Advanced Reconstruction with CDR Applications (40hrs)  
Mar 2012 – Crush Energy Analysis in Collision Reconstruction (40hrs)  
Mar 2012 – Washington Traffic Safety Commission Spring Conference (16hrs)  
Apr 2012 – Instructor- Terrain Navigator Mapping for SW Washington SWAT (1hr)  
Apr 2012 – Presenter – Every 15 Minutes Presentation, Prairie High School Senior Class (1hr)  
Apr 2012 – Presenter – Every 15 Minutes Presentation, Hockinson High School Juniors and Seniors (8hrs)  
Apr 2012 – DDACTS Seminar (16hrs)  
May 2012 – Instructor - Wilderness Navigation, Map & Compass for WA State SAR Conference (8hrs)  
May 2012 – Presenter – Every 15 Minutes Presentation, Evergreen High School Seniors (3hrs)  
May 2012 – Presenter – SKID Program, Columbia River High School Junior and Senior Classes (5hrs)

Jun 2012 – Motorcycle Collision Investigation (40hrs)  
Aug 2012 – Child Safety Seat Technician Recert (8hrs)  
Aug 2012 – Pedestrian and Bicycle Collision Investigation (40hrs)  
Sep 2012 – Presenter – CRESA 911 Open House, SAR Ops (3hrs)  
Sep 2012 – Presenter – CCSO West Precinct Open House, SAR Ops (3hrs)  
Sep 2012 – Collision Review Board – Clark County Public Works  
Oct 2012 – Applied Physics for the Traffic Crash Investigator (40hrs)  
Oct 2012 – Air Disk Brakes and ABS for Commercial Vehicles (2hrs)  
Nov 2012 – Bosch Collision Data Retrieval (CDR) Analyst (40hrs)  
Dec 2012 – Instructor – Paperless Case File Preparation for Vancouver PD Traffic Unit (1hr)  
Dec 2012 – Presenter – Traffic Enforcement and Safety assisting a Senior Project (1hr)

### **2013**

Jan 2013 – Collision Review Board, Clark County Public Works  
Feb 2013 – Faro Point Cloud Scanner Operation (8hrs)  
Mar 2013 – IPTM - Event Data Recorder use in Collision Reconstruction (40hrs)  
Mar 2013 – Presenter – Safe Driving and Detecting Impaired Driving for WSDOT Management Staff (1hr)  
Mar 2013 – ARAS 360 HD – Point Cloud Scene Import (1.5hrs)  
Mar 2013 – BAC Re-certification (4hrs)  
Apr 2013 – Presenter – Every 15 Minutes Presentation, Hockinson High School Juniors and Seniors (8hrs)  
May 2013 – Presenter – Every 15 Minutes Presentation, Prairie High School Juniors and Seniors (8hrs)  
May 2013 – WSP Latent Fingerprint acquisition and digital photography (16hrs)  
May 2013 – Washington DUI Symposium / DRE Conference (Seattle) (16hrs)  
May 2013 – Instructor – 2013 CCSO Reserve Academy – Traffic Enforcement (27hrs)  
Jun 2013 – Instructor – 2013 Reserve Academy, Mock Scenes (12hrs)  
Jun 2013 – Vericom Accelerometer Computers and Software (14hrs)  
Jun 2013 – WSCJTC Handgun Firearm Instructor update (16hrs)  
Jun 2013 – WSJCTC Patrol Rifle Firearm Instructor update (8hrs)  
Jun 2013 – Assisted Kelso PD with EDR download from a fatality collision investigation  
Jul 2013 – WSP PBT Technician recertification (4hrs)

Sep 2013 – Gaze Nystagmus (Dr. Karl Citek) (4hrs)

Sep 2013 – Presenter – CRESA 911 Open House, SAR Ops (3hrs)

Sep 2013 – Presenter – CCSO West Precinct Open House, SAR Ops (3hrs)

Oct 2013 – Washington DRE Conference (Chelan) (8hrs)

Oct 2013 – Instructor – DUI Patrol Update – McNeely Case Impact for CCSO Patrol (6hrs)

Oct 2013 – Instructor – CCSO 2013 Multi-Agency EVOC at PIR (21hrs)

Oct 2013 – WATAI Fall Conference – Advanced Reconstruction Concepts - Solving for PDOF, Law of Sine & Cosine, Triangular Relationships in a Collision, Closing Speed & Restitution, Solving for Original Impact Speeds when Secondary Impacts Occur, Multiple Uses for CDR Data, Real Crash Work Ups (16hrs)

Nov 2013 – Faro Point Cloud Scanner Operation (6hrs)

Dec 2013 – ACTAR Test Preparation Class (32hrs)

## **2014**

Jan 2014 – Notified that I passed the ACTAR Examination (ACTAR #2655)

Jan 2014 – WSCJTC Instructor Development (40hrs)

Jan 2014 – National Insurance Crime Bureau (NICB) VIN Analysis (4hrs)

Jan 2014 – Instructor – Wilderness First Aid and Evacuation Class for CCSO SAR Team (1hr)

Feb 2014 – Managing Land Search and Rescue Operations – Basic (24hrs)

Feb 2014 – Instructor - CCSO Reserve Deputy EVOC re-certification (8hrs)

Mar 2014 – SafetyNet Tracking Systems – Train the Trainer (8hrs)

Mar 2014 – Emergency Vehicle Operations Course (EVOC) Instructor (80hrs)

May 2014 – Instructor – Volunteer Disabled Parking Patrol 2014 Update for CCSO Parking Patrol Volunteers (1hr)

May 2014 – Presenter – Every 15 Minutes Presentation for Washougal High School Juniors and Seniors (1hr)

Jun 2014 – SFST Manual Curriculum Update (1hr)

Jun 2014 – Presenter – The importance of After Actions Reviews and Personnel Management for County Security Managers (1hr)

Sep 2014 – Advanced Reconstruction with CDR Applications (40hrs)

Sep 2014 – Presenter – CRESA 911 Open House, SAR Ops (3hrs)

Sep 2014 – Presenter – CCSO West Precinct Open House, SAR Ops (3hrs)

Oct 2014 – Instructor - Pursuit Immobilizations Technique (PIT) (4hrs)

Oct 2014 – Instructor – CCSO 2014 Multi-Agency EVOG (50hrs)

Dec 2014 – Trimble Robotic Total Station Training (2hrs)

### **2015**

Mar 2015 – National Child Passenger Safety Seat Technician recertification (6hrs)

Mar 2015 – Instructor – 2015 CCSO Reserve Academy EVOG (10hrs)

Apr 2015 – Instructor – 2015 CCSO Reserve Academy Firearms (32hrs)

Apr 2015 – Instructor – 2015 EVOG Instructor Cadre Update for SW WA Regional EVOG Team (40hrs)

Apr 2015 – Instructor – SAR Core Competencies – Basic Radio and Comms for Clark Regional SAR Teams (3hrs)

Oct 2015 – MS Excel in Collision Reconstruction (40hrs)

Oct 2015 – Instructor – 2015 Regional EVOG Training (45hrs)

Dec 2015 – BAC/SFST refresher and re-certification (8hrs)

Dec 2015 – Presenter – Skyview HS Physics Class, momentum, friction, kinetic energy (2hrs)

### **2016**

Feb 2016 – Instructor – 2016 CCSO Reserve Academy EVOG (10hrs)

Oct 2016 – Instructor – 2016 Regional EVOG Training (8hrs)

Nov 2016 – PBT Technician recertification (4hrs)

### **2017**

Jun 2017 – small Unmanned Aircraft Systems (sUAS) FAA Part 107 Certification (80hrs)

Sep 2017 – Draeger BAC Update Training (2hrs)

Sep 2017 – Instructor – Basic Collision Investigation Course at CCSO West (40hrs)

Sep 2017 – WATAI Fall Conference – Tire Examinations, Tire Anatomy, Collision Damage vs. Wear vs. Defect. Point Cloud Data. (15hrs)

Oct 2017 – WSCJTC Blue Courage workshop (15hrs)

Oct 2017 – Presenter – Unmanned Aircraft Systems, rules, regulations, and implementations for Washington Fair Managers Association (1hr)

### **2018**



Jan 2018 – Instructor – Advanced Collision Investigation Course at CCSO West (80hrs)

May 2018 – Faro Laser Scanner and Scene Software (24hrs)

June 2018 – Pix4D Photogrammetry Software (8hrs)

### **2019**

Jan 2019 – ACTAR Re-certification

Feb 2019 - Collision Safety Institute CDR Analyst Course (40hrs)

Mar 2019 – Instructor - Technical Collision Investigation at CCSO West (120hrs)

May 2019 - sUAS FAA Part 107 re-certification

May 2019 – WATAI Spring Conference – momentum solutions (8hrs)

Jul 2019 – Faro Zone Collision Diagramming Software (18hrs)

Oct 2019 – BAC Re-certification

Nov 2019 – EVOG Instructor recertification (4hrs)

Nov 2019 – Pursuit Immobilization Technique recertification (4hrs)

Nov 2019 – WATAI Fall Conference - Occupant Kinematics, Vehicle Inspection Procedures and Requirements, Special uses of the new CDR 900 interface tool. (12hrs)

Dec 2019 – Stepped down from the CCSO Traffic Homicide Unit

### **2021**

May 2021 – sUAS FAA Part 107 re-certification

### **2022**

Nov 2022 – BAC Re-certification (6hrs)

### **2023**

Apr 2023 – sUAS FAA Part 107 re-certification

### **2024**

Jan 2024 – ACTAR Re-certification

### **COLLISION RELATED TESTIMONY AND DEPOSITIONS**

In the past 24+ years as a Law Enforcement Officer I have testified in dozens of criminal and civil cases. The following list is composed of the cases where I testified or was deposed as a Collision Reconstructionist that are directly related to collision investigation.

May 2013 – Testified as a Collision Reconstructionist Clark County Superior Court, Judge Clark, State vs. Fessel, vehicular assault

Mar 2013 – Testified as a Collision Reconstructionist – Clark County Superior Court – State vs. Gosnell, vehicular assault

Feb 2016 – Testified as a Collision Reconstructionist – Clark County Superior Court, Judge Vanderwood – State vs. Trembly, Felony Hit and Run and Vehicular Assault

Apr 2016 - Civil Deposition on a Fatality Collision – Gail Roberts vs. FCA US LLC

Feb 2018 – Testified as a Collision Reconstructionist– Clark County Superior Court, Judge Fairgrieve – State vs. Matthews, Vehicular Homicide and Vehicular Assault

Oct 2018 – Testified as Collision Reconstructionist - Clark County Superior Court, Judge Lewis State vs. Shchukin, Vehicular Homicide

Jan 2019 Civil Deposition on a Fatality Collision – Carey/Smith vs. BGSD, Clark County, Cascade Student

Feb 2024 - Civil Deposition – Hall vs. Naumov – Reconstructionist on Collision investigation

### **PROFESSIONAL CERTIFICATIONS**

PBT Technician 07/2016 – 11/2019

Bosch CDR Analyst 11/2011 – Present

ACTAR Accredited Collision Reconstructionist #2655 01/2014 – Present

FAA part 107 UAS Operator Certification 06/2017 – Present

### **SPECIALIZED EQUIPMENT TRAINING**

06/2011 Total Station forensic mapping

09/2011 Bosch CDR Technician level 1&2

01/2012 Digital SLR Cameras – Crime Scene and Night Photography

11/2012 Bosch CDR Analyst

03/2013 IPTM CDR Analyst

06/2013 Vericom Accelerometer Computers

06/2017 FAA - UAS Remote Pilot Certification

02/2019 Bosch CDR 900 Hardware

06/2017 UAS Operator -

- ✓ DJI Mavic
- ✓ DJI Inspire with FLIR and Optical Cameras
- ✓ DJI Matrice 210 with FLIR and Optical Cameras
- ✓ Autel EVO II Pro

**COMMENDATIONS**

11/2004 Deputy of the year

11/2004 Exemplary Performance Award

12/2004 DUI Task Force Award for Traffic Safety

04/2005 Life Saving Award

03/2007 Deputy of the month (Central Precinct)

05/2007 Exemplary Performance Award

11/2009 Deputy of the month (Central Precinct)

03/2010 Exemplary Performance Award

05/2010 Deputy of the month (Central Precinct)

03/2011 Exemplary Performance Award

02/2013 Distinguished Service Medal

01/2014 Exemplary Performance Award

02/2015 Exemplary Performance Award

05/2016 Washington State - Search and Rescue Deputy of the Year

02/2019 Exemplary Performance Award

07/2019 Exemplary Performance Award

05/2021 Exemplary Performance Award

06/2021 Exemplary Performance Award

09/2022 Distinguished Service Award

Training and Commendation certificates are available on request.