

**Curriculum Vitae  
For**

**Charles Sperry Greear**

**CG Consulting  
P.O. Box 3491  
Post Falls, Idaho 83877**

INTRODUCTION

Charles Sperry Greear is a twenty-seven-year police officer and a fifteen-year veteran of the Idaho State Police. He recently retired from the Detective division in Coeur d'Alene as a Senior Detective. There, he worked in Criminal Investigations; specializing in drug investigations and crimes against persons.

Charles Greear is an ACTAR-Accredited Collision Reconstructionist, a certified Crash Data Retrieval Specialist and a certified Event Data Recorder Analyst. During his tenure with the Idaho State Police he was certified as a Breath Testing Specialist, a Drug Recognition Expert, a Field Training Officer and a Standardized Field Sobriety Test instructor. He is also certified by Idaho P.O.S.T. as an instructor for Crash Investigation, Collision Reconstruction, DUI Investigation, Traffic Code and Collision Scene Management. He is still actively instructing in these disciplines for the Idaho P.O.S.T. Academy.

Charles Greear graduated from Wooster High School in Reno, Nevada. He attended the University of Nevada, Reno, where he received a Bachelor of Sciences degree in Chemistry. He then attended the University of California, Santa Cruz, where he received a Master of Sciences degree in Inorganic Chemistry. After graduating, he worked as a Metallurgical Engineer, specializing in aerospace materials applications; working for Precision Rolled Products Inc. and for Viking Metallurgical Inc., both in the Reno, Nevada area. He also was a chemistry instructor at the University of Nevada, Reno, at the University of California, Santa Cruz and at Truckee Meadows Community College (Reno, NV).

In 1987, he joined the Washoe County Sheriff's Office, in Reno, Nevada. He served there until January of 1996, at which time he moved to Idaho and joined the Clearwater County Sheriff's Department in Orofino.

In June of 1999, he started with the Idaho State Police. He retired as a Senior Detective on November 30, 2014.

He has been certified as an expert witness in Idaho State Court and in the United States District Court (4<sup>th</sup> Circuit, Norfolk, VA and 9<sup>th</sup> Circuit, Coeur d'Alene, ID).

**JOB HISTORY**

**Precision Rolled Products Inc., Reno, Nevada (1980-1986)**

Assignment

Quality Assurance Manager

Responsibilities

Working With Titanium and High-Temperature Alloys for Aerospace Applications

Materials Integrit

Physical Metallurgy

Materials Testing

Oversee Production Quality and Ingot Forging

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**Viking Metallurgical Corporation, Verdi, Nevada (1986-1987)**

Assignment:

Quality Control Manager

Responsibilities:

Oversee Statistical Quality Control Program

Working With Titanium and High-Temperature Alloys for Aerospace Applications

Materials Integrity

Laboratory Manager

Physical Metallurgy

Materials Testing

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**Washoe County Sheriff's Office Assignments / Responsibilities**

Assignment:

Detention Deputy (07/87 - 07/89)

Department Armorer (07/89 - 07/90)

Reno Patrol Division (07/90 - 03/91)

Resident Deputy, Gerlach, Nevada (03/91 - 01/21/96)

Responsibilities:

Uniform Patrol

Canine Handler

Member of the Fatal Accident Investigation Team (Crash Reconstructionist)

Member of the Hostage Negotiations Team

Drug Recognition Expert

Crime Scene Investigator

Rangemaster/Armorer

HAZMAT Instructor

**Clearwater County Sheriff's Department Assignments / Responsibilities**

Assignment

Corporal / Investigator (01/22/96 - 05/08/97)

Senior Deputy / Uniform Patrol (05/09/97 – 06/27/99)

Responsibilities

Criminal Investigations  
Crash Reconstructionist  
Uniform Patrol  
Canine Handler  
Member of the Emergency Response Team (ERT)

**Idaho State Police Assignments / Responsibilities**

Assignment

Investigations Division, District 1 (10/02/11 – 11/30/14)  
Patrol Division, District 1 (06/28/99 – 10/01/11)

Responsibilities

Criminal Investigations  
Breath Testing Specialist  
Crash Reconstructionist (3/01 – 7/09)  
Drug Recognition Expert  
SFST Instructor  
Field Training Officer

**FORMAL EDUCATION**

Bachelor of Science (Chemistry) from University of Nevada, Reno 1977

Applicable Courses:

Life Science Chemistry (I & II)  
Introduction to Community Health  
Organic Chemistry  
General Physics  
Health Care and Assessment  
Analytical Chemistry  
Instrumental Analysis  
Physical Chemistry  
Advanced Inorganic Chemistry  
Advanced Physical Chemistry

Master of Science (Chemistry) from University of California, Santa Cruz 1980

Applicable Courses:

Introduction to Quantum Theory  
Mathematical Methods of Physics  
Chemical Kinetics  
Statistical Mechanics  
Reaction Mechanisms  
Organometallic Chemistry  
Thesis Research (Oxidative Addition Reactions of Highly Fluorinated Ligands with Transition Metals)

## Curriculum Vitae

Charles S. Greear

01/10/2021

Graduate Courses (Metallurgical Engineering) at University of Nevada Reno 1981-1986

Elements of Material Sciences  
Advanced Methods of Physical Metallurgy  
Corrosion of Metals  
Materials Failure Analysis  
Advanced Corrosion Principles

### LAW ENFORCEMENT ACADEMY(S)

Washoe County Sheriff's Office Reserve Academy (126 hours)	03-26-87
Nevada P.O.S.T. Academy (Category I/III) (513 hours)	10-23-87
Idaho P.O.S.T. Law Week (42 hours)	06-07-96
Idaho State Police Advanced Academy (477 hours)	09-24-99

### LAW ENFORCEMENT P.O.S.T. CERTIFICATES

#### **Nevada**

Basic, Intermediate and Advanced Certificates

#### **Idaho**

Advanced and Master Certificates

### IDAHO POLICE K-9 CERTIFICATES

(K-9 CHAMP)

Narcotics Detection (marijuana, cocaine, heroin, methamphetamine) 07/13/97

Police Service Dog (scent work, obedience, agility, apprehension) 07/13/97

Narcotics Detection (marijuana, cocaine, heroin, methamphetamine) 04/03/98

### OTHER APPLICABLE COURSES

<u>COURSE NAME / COMPLETION DATE</u>	<u>HOURS</u>
<i>In-service</i>	
Washoe County Sheriff's Office In-service Training / 1988	40
Washoe County Sheriff's Office In-service Training / 1989	40
Washoe County Sheriff's Office In-service Training / 1990	40
Washoe County Sheriff's Office F.T.O. Training (Patrol) / 10-24-90	560
Washoe County Sheriff's Office In-service Training / 1991	40
Washoe County Sheriff's Office In-service Training / 1992	16
Washoe County Sheriff's Office In-service Training / 1993	40
Washoe County Sheriff's Office In-service Training / 1994	40
Washoe County Sheriff's Office In-service Training / 1995	40
Idaho State Police F.T.O. Training (Patrol) / 03-22-00	477
Idaho State Police In-service Training / 11-03-00	40
Idaho State Police In-service Training / 06-29-02	8
Idaho State Police In-service Training / 09-23-04	30
<i>Police Canine</i>	
Canine Handler Certification (California P.O.S.T.) / 05-01-95	200

## Curriculum Vitae

Charles S. Greear

01/10/2021

Basic Canine Handler Course (Schlegel, Idaho P.O.S.T.) / 02-21-97	120
Police Service Dog Training (Schlegel, Idaho P.O.S.T.) / 07-09-97	24
Police K-9 Problem Solving (Schlegel, Idaho P.O.S.T.) / 07-13-97	24
Police K-9 Scent Detection [ <i>Narcotics</i> ] (Schlegel, P.O.S.T.) / 04-3-98	40

### *Vehicle Operations*

Emergency Vehicle Operations (WCSO) / 05-01-92	24
Defensive Driving (ICRMP)/4-17-98	4

### *Firearms / Defensive Weapons*

Rangemaster Development (Nevada P.O.S.T.) / 04-28-89	40
NRA Law Enforcement Armorer School / 10-27-89	80
Contemporary Issues - Use of Force (Nevada P.O.S.T.) / 11-18-92	8
Tactical Situation Response (CCSO/Idaho P.O.S.T.) / 06-09-96	30
Handgun Familiarization & Training (CCSO/Idaho P.O.S.T.) / 07/16/96	9
Basic Rifle Training (CCSO/Idaho P.O.S.T.) / 04-04-97	8
Defensive Aerosol Weapons (Idaho P.O.S.T.) / 12-20-97	4
Straight Baton / ASP (Idaho P.O.S.T.) / 12-19-97	6
Tactical Training – Combat (CCSO/Idaho P.O.S.T.) / 11-03-98	4
Tactical Training – Combat Night (CCSO/Idaho P.O.S.T.) / 11-03-98	4
ASP Refresher (FBI/Idaho State Police) / 12-19-97	4
ASP Refresher (Idaho State Police) / 12-11-09	4
Ground Fighting Refresher (Idaho State Police) / 12-11-09	4

### *Instructor Development*

Instructor Development (Nevada P.O.S.T.) / 10-06-89	40
Instructor Development (Idaho P.O.S.T.) / 04-16-99	32

### *HAZMAT*

Orientation to Hazardous Materials (Fire Marshall) / 11-04-88	8
Hazardous Materials Awareness (Idaho State Police) / 09-07-99	8
Hazardous Materials Operations (Idaho State Police) / 09-09-99	16

### *Traffic Collision Investigation*

Basic Accident Investigation (WCSO) / 12-19-90	24
Technical Accident Investigation (Nevada P.O.S.T.) / 08-05-94	120
Traffic Accident Reconstruction-I (Northwestern University) / 05-19-95	80
Basic Accident Investigation Refresher (Idaho State Police) / 06-08-99	8
Advanced Crash Investigation (Idaho State Police) / 12-08-00	40
Collision Reconstructionist (Idaho State Police) / 03-09-01	80
Crash Investigation (The Backup) / 05-03-01	8
Collision Reconstructionist Refresher (Idaho State Police) / 09-12-01	16
IAARS Conference, Refresher, Test (Idaho State Police) / 09-16-05	40
Technical Collision Investigation (Washington C.J.T.C) / 03-09-07	120
Collision Reconstruction Refresher (Idaho State Police) / 04-05-07	16
Momentum and Energy Analysis (Washington C.J.T.C) / 08-30-07	8
Crash Zone Training (ISP / George Maglaras) / 09-27-07	24
Yaw Mark Testing & Drag Sled Eval (WATAI, Bartlett) / 10-11-07	24
Grade Crossing Collision Investigation (UP & BNSF) / 03-28-08	4
Advanced Motorcycle Collision Recon (Wade Bartlett) / 05-16-08	40
MVA Reconstruction: Theory and Practice (IAARS) / 07-13-08	20

## Curriculum Vitae

Charles S. Greear

01/10/2021

Energy Methods and Damage Analysis (IPTM) / 07-18-08	40
LTI Laser / Crash Zone Refresher (Idaho State Police) / 10-02-08	24
Heavy Truck Reconstruction (Ron Heusser) / 03-16-09	8
WATAI Crash Testing (Rusty Haight- WATAI) / 10-26-09	8
Momentum, Vectors, $\Delta v$ & PDOF (Greg Russell – WATAI) / 10-27-09	8
Occupant Kinematics (Rob Kaufman – WATAI) / 10-28-08	4
Advanced Recon w/ Excel Applications (Greg Russell) / 05-21-10	40
ARC-CSI Conference – Assist with crash test evaluations / 06-05-11	24
Applied Physics for the Traffic Crash Investigator (IPTM) / 10-19-12	40
Optics, Lighting, Visibility & Digital Photography (WATAI / 10-22-15)	24
Advanced Motorcycle Collision Reconstruction (W. Bartlett / 05-20-16)	40
Acceleration Calculations w/ Limited Data (WATAI/Bartlett / 05-23-16)	2
Friction and Braking (WATAI/Bartlett / 05-23-16)	2
CSY: Theory and Special Situations (WATAI/Bartlett / 05-23-16)	2
Commercial Vehicle Air Brakes (WATAI/Bartlett / 05-24-16)	3
Forensic Evaluation of Relative Sideswipe Speeds (Bartlett / 05-24-16)	1
Sensitivity Analysis using Monte Carlo/Finite Diff (Bartlett / 05-24-16)	1
Pedestrian Collision Reconstruction (Russell / 06-09-17)	40
ARC-CSI Conference, Las Vegas, NV (09-21-17)	32
Crush Energy Analysis, Seattle (Russell / 06-29-18)	40
Crash Data Retrieval Specialist (Collision Safety Institute / 09-25-18)	16
Using Pix4D in Collision Investigation (Russell / 06-14-2019)	40
EDR Analys for Traffic Collision Reconstruction (IPTM / 11-08-2019)	40

### *Criminal Investigations*

Clandestine Drug Lab Recognition & Safety (Fire Marshall) / 12-01-89	8
Basic Crime Scene Investigation (WCSO) / 05-08-92	40
Crime Scene Investigation In-Service Training (WCSO) / 09-16-94	40
Latent Fingerprint Class (Idaho P.O.S.T.) / 01-25-96	8
Surveillance Techniques (Clearwater County S.D.) / 03-06-96	8
FBI Investigator's Seminar (Idaho P.O.S.T.) / 04-12-96	80
Polaroid Class - Victim Injury Photography (Idaho P.O.S.T.) / 05-22-96	6
Child Abuse Investigations (Idaho P.O.S.T.) / 05-24-96	16
Aggressive Patrol (INOA – Ed Delmore) / 10-05-99	4
Gordon Graham on Civil Liability / 10-06-99	4
Gordon Graham on Narcotics Operations / 10-06-99	4
Clandestine Lab Recognition (INOA) / 10-07-99	4
Clandestine Lab Recognition & Safety (Idaho P.O.S.T.) / 11-10-99	8
Rave Culture / Drugs (WSP & Jim Mock / 07-14-00	4
Bomb Recognition (BATF – Moscow) / 09-11-00	6
Highway Interdiction (The Backup) / 01-08-01	8
Domestic Drug Highway Interdiction (MHP) / 05-09-01	24
Desert Snow / 01-17-02	32
Club Drugs Conference (U.S. Attorney) / 04-04-02	20
INOA Conference / 05-13-02	4
Drug Interdiction Through Traffic Enforcement (INOA) / 05-14-02	8
Drug Physiology (INOA – Yount) / 05-15-02	4
Highway Drug Interdiction (ISP, UHP) / 04-08-03	16
INOA Conference (Schmidt/Hendrie – DEA) / 05-21-03	4
Highway Drug Interdiction (Lanese – MJDTF) / 05-22-03	8
RMIN (INOA) / 05-23-03	4

## Curriculum Vitae

Charles S. Greear

01/10/2021

Train the Trainer – Complete traffic stops (NHTSA) / 01-15-04	16
Reid Interview & Interrogation (Idaho State Police) / 03-24-05	24
Advanced Reid Interview & Interrogation (Spokane SO) / 02-24-12	8
Indoor Marijuana Cultivation Investigation (DEA) / 01-31-12	16
Background Investigations (Idaho State Police) / 03-20-12	16
Basic Narcotics Investigation (Idaho State Police) / 04-27-2012	80
Indoor Marijuana Grow Safety (DEA) / 07-10-12	16
Crime Scene Investigation & Reconstruction (Rynewson) / 07-25-12	60
Electronic Evidence Collection (Spokane County S.O.) / 02-27-13	8
Basic Criminal Investigations (DHS) / 08-29-2013	20
Fingerprint and Footwear Impressions (Idaho State Police) / 11-26-13	8
Basic Tracking Techniques (Joel Hardin Tracking) / 05-07-14	8
Forced Entry Techniques (Spokane County Fire) / 05-13-14	4
Street Survival '93 / 06-24-93	24
Street Survival '95 / 08-15-95	24
Street Survival '97/ 10-14-97	16
Street Survival '99/ 10-27-99	24

### ***Radar/Stopwatch***

Traffic Radar Operator (WCSO) / 11-16-90	40
Traffic Radar Re-certification (WCSO) / 08-05-92	8
Traffic Radar Re-certification (WCSO) / 05-25-94	8
Traffic Radar Operator (Idaho State Police) / 05-08-00	8
Stopwatch Training and Certification (Idaho State Police) / 05-09-00	8
LIDAR Training and Certification (Idaho State Police) / 06-26-02	4
Traffic Radar Re-certification (Idaho State Police) / 10-08-02	4
Stopwatch Re-certification (Idaho State Police) / 12-09-03	4
Traffic Radar Re-certification (Idaho State Police) / 03-02-06	4

### ***General Knowledge***

How to Work with People	8
Listening Skills (WCSO) / 03-91	8
TMCC Practical Evaluator's Workshop / 05-03-86	8
TMCC Inservice Faculty Orientation / 09-02-88	6
Idaho Law Week (Idaho P.O.S.T.) / 06-07-96	42
Why Things Go Right/Wrong (G. Graham) / 01-18-99	5
Legal Updates (INOA – Denise Rosen) / 10-05-99	2
Legal Updates (Idaho State Police) / 11-15-99	2
Federal Violence Against Women Act (Idaho P.O.S.T.) / 11-15-99	4
Domestic Violence Update (Idaho State Police) / 09-09-00	2
Legal Updates (INOA – Denise Rosen) / 05-13-02	4
On-Line Supervisor Course (Idaho P.O.S.T.) / 02-28-03	80
Legal Updates (Idaho State Police) / 04-09-03	4
Kaminsky FTO (Idaho P.O.S.T./Kaminsky & Assoc.) / 02-27-04	40
Supervision I-IV (ISP / Boise State University) / 05-20-04	48
Operation Lifesaver (FRA) / 02-22-06	10

### ***DUI / Drugged Driving Training***

Basic DUI Enforcement (WCSO) / 10-26-90	24
Preliminary Breath Test Device Operator (WCSO) / 12-04-90	4



## Curriculum Vitae

Charles S. Greear

01/10/2021

Drugs That Impair Driving (Nevada P.O.S.T.) / 10-26-94	8
Preliminary Drug Recognition Expert Training (N.H.T.S.A.) / 01-06-95	16
Drug Recognition Expert (N.H.T.S.A.) / 01-25-95	80
Intoxilyzer 5000 (CCSO) / 06-16-97	6
DUI Detection and SFST (DLE) / 03-02-99	16
Intoxilyzer 5000 (Idaho State Police) / 07-29-99	4
Alco-Sensor III (Idaho State Police) / 04-22-00	4
Breath Testing Specialist (Idaho State Police) / 07-27-01	16
Drug Recognition Expert (Idaho State Police) / 10-25-01	72
Drug Recognition Expert Field Certifications (Fresno CHP) / 12-21-01	40
Breath Testing Specialist Recert (Idaho State Police) / 03-07-03	16
DRE Recertification: The Eyes (Dr. Karl Citek) / 03-10-04	8
DRE Recertification: General Info (Idaho State Police) / 03-11-04	4
DRE Recertification: General Info (Idaho State Police) / 10-25-05	4
Alcohol Enforcement (ABC / Idaho P.O.S.T.) / 11-02-06	8
DRE Recertification: General Info (Idaho State Police) / 04-15-08	8
DRE Recertification: Prescription Drug (Dr. Gonzales) / 04-16-08	8
Breath Testing Specialist Recert (Idaho State Police) / 03-18-05	16
SFST Instructor (Idaho P.O.S.T.) / 05-20-05	40
Perception / Reaction (Dr. Karl Citek) / 09-14-05	4
Prosecuting the Impaired Driver (ID Pros. Atty. Assoc) / 05-23-08	20
SFST Instructor Refresher Training (Idaho State Police) / 01-13-10	4
Northwest Alcohol Conference (Park City, UT) / 06-30-10	16
Administrative License Suspension Training (ITD) / 08-03-10	3
DRE Refresher: General Info/Spice (Idaho State Police) / 12-08-10	8
DRE Refresher: Prescription Meds (Dr. K. Simone) / 12-09-10	8
DRE Refresher: General Info / Legal Update (ISP) / 11-05-12	8
Synthetic Cannabanoids / Cathinones (Amy Miles) / 11-06-12	8

### *Search & Rescue / Medical*

Swiftwater Rescue (WCSO) / 11-27-83	16
Emergency Medical Technician Training (TMCC) / 01-01-84	80
Swiftwater Rescue (RESQUE Inc.) / 03-11-84	16
Emergency Medical Technician Instructor / 01-01-86	20
Swiftwater Rescue (RESQUE Inc.) / 04-12-86	16
Emergency Medical Technician Re-Certification (TMCC) / 01-10-89	24
Emergency Medical Technician Re-Certification (TMCC) / 11-30-92	24
Desert Search & Survival (Feather River College) / 1993	16
Mountain Medical Seminars / 08-01-93	40
Basic First Aid / 01-28-97	4
CPR Certification / 01-29-97	4

*Professional Affiliations*



ACTAR Accreditation Number: 1943

Washington Association of Technical Accident Investigators (WATAI)

Society of Automotive Engineers (SAE)

International Network of Collision Reconstructionists (INCR)

National Association of Professional Accident Reconstructionists, Inc. (NAPARS)

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**PUBLICATIONS**

The Speed Triangle (Momentum, Energy, PCM), *Authors: Charlie Greear, Dave Thornburg & Lee DeChant, Collision Magazine, Volume 4, Issue 2, Fall 2009*

Braking Rates for Students in a Motorcycle Training Program, *Authors: Wade Bartlett & Charlie Greear, Accident Reconstruction Journal, November/December 2010*