



## **SNOWSPORTS EXPERT AND CONSULTING**

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*Snowsports thought leader and expert in skiing, sledding, and tubing. Ski instructor certified by the Professional Ski Instructors of America (PSIA) for 42-years. Discipline chairperson, Education Team Member, trainer, and examiner for multiple PSIA divisions. 53-seasons of on-hill snowsports experience, including safety, risk management, administration, and operations. Clear understanding of snowsports mechanics through engineering education and over 40-years of professional practice. Licensed Professional Engineer (Civil Engineering) with an active residential structural engineering and land development practice.*

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### **PROFESSIONAL EXPERIENCE**

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**Snowsports Expert and Consulting, Boise, ID**

**Since 2020**

#### **Expert Witness**

- Provides forensic analysis and expert witness services for the snow sports industry.
- Areas of expertise include the following.
  - On-hill group activities, including group and private ski lessons, ski and snowsports schools, and race team operations.

- *Skiing, Snowboarding, Snow tubing, sledding, tobogganing, and saucering operations.*
- *Ski and snow sports recreation area operations, risk-management, and standard-of-care.*
- *On-hill group supervision, situational safety, program components, facility conditions, standard-of-care, negligence, duty, breach, causation, and harm.*
- *Exceptional communication, research, and writing skills.*
- *Unbiased, fact based, and narrative driven Expert Reports.*
- *Litigation support and expert testimony.*
- *Pertinent Snow Sports Experience includes:*
  - ***Telemark Discipline Professional Education Staff, PSIA-NI – since 2022.*** *Collaborates with the PSIA-NI education staff on regional education standards and events.*
  - ***Telemark Clinician and Examiner, PSIA-NRM Nordic Education Staff – 2009 to 2013.*** *Responsibilities included the planning, administration, and performance of travelling Telemark Clinic series and Telemark Certification Examinations.*
  - ***Nordic Education Committee Member, PSIA-NRM – 2009 to 2013.*** *Worked with the Nordic Chairperson and Nordic Education Staff on goals, policies, administration, certification standards, educational materials, and event planning for the division.*
  - ***Snowsports Instructor, Moonlight Basin, MT – 2006 to 2008.*** *Responsibilities included teaching Alpine and Telemark ski lessons, multi-week Alpine and Telemark ski programs, and head Trainer for Telemark Instructors.*
  - ***Assistant Nordic Chairperson, PSIA-NRM – 2007 to 2008.*** *Assisted the Nordic Chairperson in the administration and management of the Nordic Division; assisted with the origination of numerous Telemark certification and educational documents.*
  - ***Snowsports Instructor, Bridger Bowl, MT – 2006 to 2008.*** *Responsibilities included teaching Alpine and Telemark ski lessons and multi-week Alpine and Telemark ski programs.*
  - ***Nordic Chairperson, PSIA-W – 2004 to 2006.*** *Administered and managed all aspects of the Nordic Division; responsibilities included: origination, approval, and management of Division budget; prepared season calendar; provided oversight to Chief Clinician, Telemark, Track and Backcountry Directors; administered all seasonal events; represented Nordic Division at Board of Director meetings.*

- **Nordic Education Staff, PSIA-W** – 2003 to 2008. Organized and performed Telemark Level I Pre-Courses and Telemark Level I Certification examinations; mentored numerous Nordic members up through the Telemark Certification process; performed Clinics at Fall Symposium, educational events, and Spring Convention.
- **Senior Telemark Instructor, Bear Valley Telemark Festival, CA**– 2003 to 2007. Taught lessons for all abilities at the west coast's largest Telemark Festival.
- **Alpine Ski Instructor, 1978 to 1983.** Worked as an Alpine Ski Instructor at Homewood and Kirkwood Ski Resorts in California.

**Professional Engineering Services, Boise, ID**

**Since 2020**

**Civil Engineering – Expert Witness and Principal Consultant**

- Provides forensic engineering, expert witness, and Civil Engineering consulting services.
- Areas of expertise include construction defects, professional and premise liability; Civil and Structural Engineering; professional liability claims assessments; forensic analysis for property loss claims; construction due diligence, schedule impact, delay claims, and contracting; local government expert; land use; and regulatory agency permit processing.
- Pertinent Expert Witness projects include:
  - Motorcycle accident in western Montana concerning the case of a motorcycle rider (plaintiff) and highway construction contractor (defendant); hired as an Expert for the defendant to perform a forensic analysis of contract documents, construction documents, schedules, safety procedures, depositions, and other evidence; Expert report opined the contractor was not negligent or at fault, and the case was settled out of court.
  - United States Bureau of Reclamation (USBR) Easement of Necessity appeal; hired as a Land Use expert to obtain an easement of necessity across USBR land adjacent to an 80-acre parcel of land in Idaho created at the turn-of-the-century; the parcel was created by a quiet-title action by the USBR which landlocked the property; the current status is a pending appeal to the Secretary of the Interior that appeals two prior denials by the USBR.
  - Construction defects for Retaining Wall in Boise, Idaho; Hired as an expert to evaluate settling and deflection of a variable height stacked block retaining wall (6-foot maximum height) around a backyard swimming pool; forensic analysis included a site survey and engineering analysis of soil settlement and wall deflections; Expert report opined the contractor (defendant) was not qualified to construct a stacked block retaining wall, used

*improper construction methods and techniques, and was negligent in the determination of the cost of the construction and the construction of the wall, which caused harm to the owners (plaintiffs); the case was settled out of court in favor of the plaintiffs.*

○ *Specific Civil Engineering and Structural projects include:*

○ **Bogus Basin Ski Area, Boise, ID**

- *Conducts feasibility studies, planning and budgeting, surveying, mapping, land planning, and Civil Engineering projects in accordance with the Bogus Basin Beyond 75 Master Development Plan.*
- *Engineering feasibility analysis, design, and construction oversight for various mountain projects.*
  - *Bitterroot and Coach chair lift replacements.*
  - *Adventure course and zip lines.*
  - *Pioneer Lodge remodeling and expansion.*
  - *Silver Queen parking expansion.*
  - *Property line analysis and resolution of boundary issues between the Bogus Basin Recreation Association Pioneer Inn Condominium Association.*

○ **Hedrick Residence, Eagle, ID**

- *Completed vertical and lateral structural analysis, engineering design, construction details, and structural calculations for the 6,000-sf lakefront single family residence.*
- *Design challenges included lack of braced panels necessitating rigid moment frames to resist building code required lateral loading.*

○ **Kinghorn Residence, Ada County, ID**

- *Performed topographic surveying and forensic engineering analysis of site grading, drainage, and retaining walls constructed the Hillside Overlay District to resolve grading violations.*
- *Addressed litigation issues associated with violation of building setbacks and property line encroachments for the single-family residence.*
- *Originated grading and drainage plan and worked directly with the Ada County Engineer to obtain plan approval, resolve grading violations, and certify improvements.*

- **Warm Springs Investment Group, LLC, Boise, ID**
  - *Performed topographic surveying and provided Civil Engineering services to redesign the grading, drainage, and retaining wall plans for the custom single-family residence.*
  - *Resolved property line encroachment issues on adjacent properties.*
  - *Facilitated issuance of the Certificate Occupancy by the City of Boise Building Department.*
- **Rooster Hollow Subdivision, Star, ID**
  - *Retained to participate in the City of Star Comprehensive Plan update process to assure the future land use designation would result in the highest and best use of the property.*
  - *Worked directly with the City of Star Planning Department on the completion of the Comprehensive Plan and confirm land use designations.*
  - *Subsequent to the update of the Comprehensive Plan, originated and obtained approval of the preliminary plat, grading and drainage plan, rezone, and Planned Unit Development application for 64-lots on 14.4 acres, including the following.*
    - *26-single-family residences, 20-townhomes, 6-live work units, 2-commercial lots, 4-light-manufacturing lots, and 6-common lots.*
    - *The approval of the first leg of a major arterial collector frontage road adjacent to State Route 44 per the City of Star Master Transportation Plan.*
    - *An approved encroachment onto State Route 44 by the City of Star, Canyon County Highway District No.4, and the Idaho Transportation Department (ITD).*

**Engineering Leadership Institute, Bozeman, MT and Boise, ID**

**Since 2015**

Principal Consultant

- *Works with engineering firms and practitioners to develop soft skills to fill gaps and balance technical skills to improve engagement and boost profitability.*
- *Created an online curriculum that leveraged technology and developed top skills sought by employers.*
- *Professional Development instructor for ASCE, NSPE, ACEC, and the Montana Society of Engineers (MSE).*

**HECO Engineers, Boise, ID**

**2018-2020**

Senior Project Manager

**KLJ Engineering, Inc., Dickinson, ND**

**2014-2015**

Municipal Group Leader

- **Dickinson Middle School, Dickinson, ND**
  - *As the Project Leader, responsibilities included: feasibility studies and facilitation of negotiations for property acquisition for the 200,000 square foot school to accommodate 960 students in grades six through eight*
  - *Determined project scope, schedule, and budget horizontal design services; negotiated and converted engineering services contract.*
  - *Provided land planning, building siting, traffic circulation, site plan, grading and drainage plan, and stormwater management design services through schematic design, design development, and final design.*
  - *Coordinated underground utilities design.*
  - *Managed construction staking and inspections during construction.*
- **St. Joseph's Hospital & Clinic, Dickinson, ND**
  - *Responsible for all aspects of Civil Engineering design and construction, grading and drainage, stormwater, utilities, construction surveying and inspections, and final mapping for the 106,000-sf hospital and clinic.*
  - *Successfully resolved conflicts between owner and contractor.*
  - *Originated expanded work scope, negotiated contract amendments, and completed the additional services to resolve construction issues.*
  - *Collaborated with the owner and the City of Dickinson to implement the land use master plan to maximize value of the newly created lots.*
  - *Facilitated cooperation between the owner and the City of Dickinson to aid in the successful opening and operation of the facility.*

**Moore Engineering, Inc., Minot, ND**

**2013-2014**

Senior Municipal Engineer

- *Originated and implemented a Strategic Business Plan for the greater Minot, North Dakota region. Significant accomplishments included: provided leadership and co-management of office operations; \$4.5M water facilities improvement project with the*

*City of Garrison; and Project Manager for various land planning and engineering projects on the Fort Berthold Indian Reservation.*

**Quality of Life Consultants, LLC, Bozeman, MT**

**2009-2013**

President

- *Principal Civil Engineer, Structural Engineer, Land Planner, and Project Manager. Brought collaborative, high-quality solutions to complex land planning and structural engineering projects in a challenging economic and regulatory market.*

**Stahly Engineering & Associates, Bozeman, MT**

**2008-2009**

Senior Project Manager

**R&B Engineering, Inc., Auburn, CA**

**1990-2008**

President

- *Project manager for the creation of large master planned commercial and residential projects; provided structural engineering, forensic engineering, and expert witness services; provided the leadership to create a strategic plan and a culture of impunity resulting in organizational growth of over 300%.*
- **Board of Supervisors – Appeal for Ceronix, Inc., Auburn, CA**
  - *Successful appeal to the Placer County Board of Supervisors of the Planning Commissions denial of the proposal to install an irrigation well on the Ceronix Corporate Campus.*
  - *The denial was based in the Planning Commissions interpretation of the surface water goals and policies in the Placer County General plan and was overturned by the Board of Supervisors by unanimous vote.*
- **Board of Supervisors – Property Owner’s Appeal, Auburn, CA**
  - *Retained by the Property Owner’s legal counsel to appeal the denial of the Placer County’s Planning Commissions of a variance to a property line setback.*
  - *The Planning Commissions denial of the variance was based upon a protracted disagreement between the adjacent property owners.*
  - *The denial was overturned by the Board of Supervisors, based upon the argument the intent of the Placer County General Plan and zoning ordinance was to protect the health, safety, and welfare of the citizens by approving the*

*variance thereby not requiring the demolition of a portion of the Clients residence that protruded into the side yard setback.*

**Nevada City Engineering, Inc., Nevada City, CA** **1988-1990**

Civil Engineer & Project Manager

**Pacific Gas & Electric Company, San Francisco, CA** **1984-1988**

Civil Design Engineer

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## PROFESSIONAL ENGINEERING LICENSES

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**California**, License #C043135

**Colorado**, License #PE.0042067

**Idaho**, License #P-18145

**Montana**, License #PEL-PE-LIC-17416

**Nevada**, License #011956

**New York**, License #110442

**Oregon**, License #94428PE

**Utah**, License #14185390-2202

**Washington**, License #22026669

**Wyoming**, License #PE 12076

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## CURRENT CERTIFICATIONS

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**National Council of Examiners for Engineers and Surveyors (NCEES) Certificate**

**PSIA Northern Intermountain Education Staff**

**Accredited Children's Ski Instructor, Levels 1 & 2**

**Level 1, 2, & 3 Certified Telemark Ski Instructor, PSIA**

**Level 1 & 2 Certified Alpine Ski Instructor, PSIA**

**PADI Advanced Open Water Diver**

**PADI Open Water Diver**

**OSHA 10**



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## EDUCATION

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**Montana State University, Bozeman, MT** 2011

Master of Public Administration (MPA)

**University of California at Davis, Davis, CA** 1984

Bachelor of Science (BS), Civil Engineering

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## PUBLICATIONS

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1. **Wall, Randy, *A Study of a Special District for Park Maintenance in the City of Bozeman, Master of Public Administration Professional Paper.* (2011)**
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## PRESENTATIONS

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1. **Wall, Randy, ASCE Southern Idaho Section: *How to Make an Effective Promise.* 2024.**
2. **Wall, Randy, Montana Joint Engineers Conference: *How to Make an Effective Promise & Make Engineering Fun Again.* 2022.**
3. **Wall, Randy, Montana Joint Engineers Conference: *Increase Sales Through Strategic Planning & How to Increase Your Sales.* 2021.**
4. **Wall, Randy, Montana Joint Engineers Conference: *The Unwritten Laws of Engineering.* 2019.**
5. **Wall, Randy, Montana Joint Engineers Conference: *Project Management Bootcamp.* 2018.**
6. **Wall, Randy, NSPE National Convention: *Texts & Emails that Fuel Engineering Success,* 2018.**
7. **Wall, Randy, NSPE Webinar: *Closing the Soft Skills Gap in Engineering Practice,* 2018.**
8. **Wall, Randy, NSPE Webinar: *The High Demand for Social Skills in Engineering,* 2018.**
9. **Wall, Randy, NSPE Webinar: *Staying Relevant: The Lifelong Learning Journey,* 2018.**
10. **Wall, Randy, Montana Joint Engineers Conference: *Communicate Clearly through Writing,* 2017.**
11. **Wall, Randy, Montana Joint Engineers Conference: *Contracts for Professional Engineers,* 2016.**

12. **Wall, Randy**, NSPE Webinar: **Best Practices to Communicate Clearly through Writing**, 2018.

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## APPOINTMENTS

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- **ANSI National Safety Standard B77.1 -2022: Passenger Ropeways – Aerial Tramways, Aerial Lifts, Surface Lifts, Tows, and Conveyors** (observing member), since 2024.
- **ASTM Sub-Committee F27.35 Ski Area Padding and Markings for Winter Operations Committee Member** (voting member), since 2024.
- **ACCT Consensus Group Member** (voting member), since 2023.
- **ASTM F27 Standard for Snow and Water Sports Committee Member** (voting member), since 2023.
- **Bogus Basin Recreation Association (BBRA) Member**, since 2022.
- **Planning & Zoning Board Member** - City of Bozeman, MT, 2012 – 2013. Heard zoning cases, rendered decisions regarding planning and zoning issues, interpreted the City's community plan, and made recommendations to the Bozeman City Council.
- **Design Review Board Member** - City of Bozeman, MT, 2008 to 2012. Served as the Civil Engineering and Land Planning expert on the Design Review Board, reviewed project designs and determined conformance with the City of Bozeman zoning ordinance and design guidelines and made recommendations to the Bozeman City Council.
- **Planning Commission - Chairperson & Member**, City of Auburn, CA, 1998 to 2002. Performed design review of proposed projects, determined conformance with the City of Auburn zoning ordinance and design guidelines, approved environmental reviews, land development, and conditional use permits, originated and approved findings of fact and conclusions of law, and made recommendations regarding rezones and annexations to the Auburn City Council.

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## PROFESSIONAL AFFILIATIONS

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- Association for Challenge Course Technology (ACCT), Since 2023
- American Society for Testing and Materials (ASTM), Member #2419713, Since 2023
- Montana Society of Engineers (MSE), Since 2023
- American Society of Civil Engineers (ASCE), Member # 10635594, Since 2023

- National Ski Area Association (NSAA), Since 2022
- Professional Ski Instructors of America (PSIA), Member # 177601, Since 1982

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## SPECIAL TRAINING

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- **ASTM International - Officers' Training Workshop**, Fall 2024
- **How to Refine, Improve, and Grow Your Expert Witness Practice**, SEAK, Inc., Fall 2024
- **Nevada Chapter 625 Statutes and Regulations – Webinar**, Nevada Board of Professional Engineers and Land Surveyors, Spring 2024.
- **Professional Ethics – Webinar**, Nevada Board of Professional Engineers and Land Surveyors, Spring 2024.
- **ASTM Committee F27 on Snow and Water Sports – Committee Meeting**, Summer 2024
- **Safe Sport Act Webinar**, NSAA, Spring 2024.
- **Improving Civility in the Courtroom: Reducing Conflict in the Legal Profession**, Idaho State Bar Association, Spring 2024.
- **Preventing and Addressing Construction Defects and Failures in Idaho**, Half Moon Education, Inc., Winter 2024.
- **Hot Topics in Energy Law**, Idaho State Bar Environment and Natural Resource Law Section, Winter 2024
- **ANSI B77 Full Committee Meeting**, NSAA, Winter 2024
- **How to Write a Bulletproof Expert Witness Report**, SEAK, Inc., 2023
- **Fall Education Series Wrap-Up**, NSAA, Fall 2023.
- **Discipline Chair and Education Team Leadership Training – PSIA-NI**, Fall 2023.
- **ASTM Committee F24 on Amusement Rides and Devices - National Meeting**, Fall 2023.
- **Resort Operations in the Age of Nuclear Jury Verdicts**, NSAA Fall Education Series 2023.
- **Ski Statute: Do You Know What's In Yours?**, NSAA Fall Education Series 2023.
- **Regional Roundup: Claims, Trends, And Trials In Your Region, And Important Operational Take-Aways**, NSAA Fall Education Series 2023.
- **Standard Update: 2021 Special Design Provisions for Wind and Seismic**, American Wood Council, Fall 2023

- **Hot Takes And Key Trends - Unique Aspects Of Risk Management**, NSAA Fall Education Series 2023.
- **ASTM Committee F27 on Snow and Water Sports – Committee Meeting**, Summer 2023
- **Industry Report Card – Litigation & Risk**, NSAA, MountainGuard, Safehold, and Association of Ski Defense Attorneys (ASDA), ISAA Spring Conference, 2023
- **The Evolving Labor Landscape**, NSAA Risk & Regulatory Affairs, ISAA Spring Conference, 2023
- **ANSI B77.1-2022 Update**, NSAA B-77.1 Administrator/Ropeway Engineering, ISAA Spring Conference, 2023
- **Dynamic Acceptance Testing per ANSI B77.1 2022**, Skytrac Services, ISAA Spring Conference, 2023
- **Project Management Professional Exam Prep Course (35-hours)**, ITIC-Systems-US, 2023
- **Flying High – A Deep Dive on Zipline Considerations**, NSAA 2023 Western Winter Conference
- **Explosive, Regulations, Inspections, and Emerging Trends**, NSAA 2023 Western Winter Conference
- **Lift Safety Bootcamp**, NSAA 2023 Western Winter Conference
- **How to Start, Build, and Run a Successful Expert Witness Practice**, SEAK, Inc., 2022
- **How to Be an Effective Expert Witness**, SEAK, Inc., 2022
- **Role of the Planning Commissioner**, University of California at Davis
- **Planners Institute**, League of California Cities
- **Fundamentals of Successful Project Management**, SkillPath Seminars
- **Financial Aspects of Planning**, University of California at Davis
- **Design Review – A How-to-Course**, University of California at Davis
- **Contract Basics for Project Managers**, American Society of Foundation Engineers
- **California Law for Design Professionals**, Lorman Educational Services
- **California Environmental Quality Act**, University of California at Davis