

CURRICULUM VITAE FOR:
RANDY P. WALL, PE, MPA



**PROFESSIONAL
ENGINEERING
SERVICES**

5636 N. Portsmouth Ave.
Boise, ID 83714

Telephone: (208) 972-4670
Email: randy@pe-services.biz
Website: www.pe-services.biz



SUMMARY OF EXPERTISE

Mr. Wall serves as an Expert Witness, Forensic Engineer, and Consulting Engineer for the Snow Sports and Challenge Course industries. As a Professional Engineer, educator in the Engineering and Ski Industries, Certified Ski Instructor, leader in the Professional Ski Instructors of America (PSIA), and consultant for Challenge Courses, Mr. Wall utilizes his broad experience to provide agile and resilient professional consulting services. These services include forensic analysis and expert witness for snow sports and challenge course risk, professional liability, and premise liability; risk assessment and mitigation; Civil and Structural Engineering; professional liability claim assessments; forensic analysis for personal injury and property loss claims; construction due diligence, schedule impact, delay claims, and contracting; and litigation support and expert testimony. Mr. Wall has been the Owner and Principal of two Civil Engineering and Land Planning firms, an Education firm that provides professional development for Professional Engineers by teaching professional, organizational, and soft-skills, Board Member, Divisional Chairman, Examiner and Clinician for PSIA, and has served as Projects Leader for the conception, land acquisition, planning, funding, permitting, design, and construction for snow sports area, commercial, industrial, municipal, education, Native American, and residential projects.

Grounded in over 35-years of broad and deep experience in the Civil Engineering, Snow Sports, and Challenge Course Industries, and as Projects Leader in the forensic engineering, expert witness, structural engineering, land planning, and education markets, Mr. Wall leverages a finely honed set of soft and technical skills in an innovative, relationship-based, collaborative, and iterative approach to create extraordinary human interactions and consistently deliver high value project outcomes.

ENGINEERING INDUSTRY HISTORY

Principal Consultant – Professional Engineering Services, 2020 to present. Provides exceptional forensic engineering, expert witness, and Civil Engineering consulting services to conceive, design, and successfully deliver complex, time, and budget critical projects.

Principal Consultant – Engineering Leadership Institute, 2015 to present. 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).

Senior Forensic Engineer – The Vertex Companies, Part-Time, 2022 to present. Provides agile and resilient professional consulting services, including forensic analysis and expert witness for construction defect, professional and premise liability; and consulting for property owners and managers; Civil and Structural Engineering; professional liability claims assessments; forensic analysis for property loss claims; construction due diligence, schedule impact, delay claims, and contracting; and litigation support and expert testimony.

Senior Project Manager – HECO Engineers, 2018 to 2020. Grew the industrial and commercial market segments in the HECO portfolio by over 300%. Lead Client and project development, managing diverse Teams and projects to consistently deliver high value outcomes. Project Manager for over \$30M in Commercial projects.

Municipal Group Leader - KLJ Engineering, Inc., 2014 to 2015. Developed and lead the most productive and highest revenue generating group in the 12-office Municipal Practice Area. Increased team efficiency and profitability through the teaching and balancing of soft and technical skills. Project Manager for approximately \$50M of municipal, \$80M of education, \$110M of healthcare, \$25M of Tribal, and various land development projects in the greater western North Dakota region. Assisted corporate leadership with strategic planning, business system origination and implementation, and high-performance skill development.

Senior Municipal Engineer - Moore Engineering, Inc., 2013 to 2014. 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.

President - Quality of Life Consultants, LLC, 2009 to 2013. 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.

Senior Project Manager - Stahly Engineering & Associates, Inc., 2008 to 2009.

President - R&B Engineering, Inc., 1990 to 2008. 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%.

Civil Engineer & Project Manager – Nevada City Engineering, Inc., 1988 to 1990.

Civil Design Engineer – Pacific Gas & Electric Company, 1984 to 1988.

SKI INDUSTRY HISTORY

Telemark Discipline Chairman, PSIA-NI – 2022 to Present. Collaborated with the Cross-Country Chairman and the NI Board on event planning.

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 Chairman 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 Chairman, PSIA-NRM – 2007 to 2008. Assisted the Nordic Chairman 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 Chairman, 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 2009. 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 Level II Ski Instructor at Homewood and Kirkwood Ski Resorts in California.

EDUCATION

B.S., Civil Engineering, University of California at Davis 1984

M.A., Public Administration, Montana State University Bozeman 2011

PhD Candidate, American Studies Program, Montana State University Bozeman 2011 to 2021

LICENSES & CERTIFICATIONS

Professional Engineer (PE) – Civil, State of CA, CO, ID, MT, NV, OR, WA, WY

OSHA 10

Level III Certified Telemark Ski Instructor, PSIA

Level II Certified Alpine Ski Instructor, PSIA

PADI Open Water Diver, #81201698

PROFESSIONAL ORGANIZATIONS AND SOCIETIES

Professional Ski Instructors of America (PSIA), Member #177601, 1982 to present.

Association for Challenge Course Technology (ACCT), 2023 to present.

American Society for Testing and Materials (ASTM), Member #2419713, 2023 to present.

American National Standards Institute (ANSI), Member #552593, 2023 to present.

Project Management Institute (PMI), Member #8901725, 2023 to present.

National Ski Area Association (NSAA) Member, 2022 to present.

Intermountain Ski Area Association (ISAA) Member, 2023 to present.

Montana Society of Engineers (MSE), 2023 to present.

American Society of Civil Engineers (ASCE), Member #10635594, 2023 to present.

SPECIAL TRAINING

Industry Report Card – Litigation & Risk, NSAA, MountainGuard, Safehold, and Association of Ski Defense Attorneys (ASDA), ISAA 2023 Spring Conference

The Evolving Labor Landscape, NSAA Risk & Regulatory Affairs, ISAA Spring 2023 Conference

ANSI B77.1-2022 Update, NSAA B-77.1 Administrator/Ropeway Engineering, ISAA 2023 Spring Conference

Dynamic Acceptance Testing per ANSI B77.1 2022, Skytrac Services, ISAA 2023 Spring Conference

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

Storm Sewer Design and Analysis using StormCAD, Haestad Methods

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

ASSOCIATIONS

ASTM F24 Standard for Amusement Rides and Devices Committee Member, 2023 to present (producing and voting member).

ASTM F27 Standard for Snow and Water Sports Committee Member, 2023 to present (producing and voting member).

Bogus Basin Recreation Association (BBRA) Member, 2022 to present.

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 - Chairman & 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.

PRESENTATIONS & PUBLICATIONS

Montana Joint Engineers Conference

- How to Make an Effective Promise & Make Engineering Fun Again (2022)
- Increase Sales Through Strategic Planning & How to Increase Your Sales (2021)
- The Unwritten Laws of Engineering (2019)
- Project Management Bootcamp (2018)
- Communicate Clearly through Writing (2017)
- Contracts for Professional Engineers (2016)

NSPE National Convention

- Texts & Emails that Fuel Engineering Success (2018)

NSPE Webinars (2016 - 2018)

- Best Practices to Communicate Clearly through Writing
- Closing the Soft Skills Gap in Engineering Practice
- The High Demand for Social Skills in Engineering
- Staying Relevant: The Lifelong Learning Journey

Master of Public Administration Professional Paper - Montana State University

- A Study of a Special District for Park Maintenance in the City of Bozeman, Montana (2011)

RELEVANT EXPERIENCE

Ski Area Sector Project Leadership – Bogus Basin Ski Area (2020 - present) | Boise, ID

Mr. Wall has been and is currently working directly with the General Manager, Mountain Manager, and Skier Services Manager to conduct feasibility studies, planning and budgeting, surveying, mapping, land planning, and Civil Engineering design and construction oversight for various mountain projects contained in the Bogus Basin Beyond 75 Master Development Plan originated by SE Group. The most notable projects have been the feasibility, planning, and budgeting for the 365-space Silver Queen parking expansion, retained as the Owner's Representative to oversee the installation of the adventure course and zip lines by Challenge Towers (slated to begin operation in the summer of 2023), and providing boots-on-the-ground consulting for the relocation of new chairlifts and the development of ski runs associated with the new lifts.

Education Sector Project Leadership - Dickinson Middle School (2013 - 2015) | Dickinson, ND

The 200,000 sf Dickinson Middle school accommodates 960 students in grades six through eight. As the Project Leader, responsibilities included: feasibility studies and facilitation of negotiations for property acquisition; determination of project scope, schedule, and budget horizontal design services; negotiated and converted engineering services contract; provided land planning, building siting, traffic circulation, site plan, and stormwater management design services through schematic design, design development, and final design; coordinated underground utilities design; and managed construction staking and inspections during construction.

Medical Sector Project Leadership - St. Joseph's Hospital & Clinic (2013 - 2015) | Dickinson, ND

Lead all aspects of Civil Engineering design and construction, 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; and furthered cooperation between the owner and the City of Dickinson to facilitate the successful opening and operation of the facility.

Land Planning And Project Leadership - Rooster Hollow Subdivision (2020 - 2021) | City of 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. When the Comprehensive Plan update was completed, originated and obtained approval of the preliminary plat, rezone, and Planned Unit Development application for 64-lots on 14.4 acres, including 26-single-family residences, 20-townhomes, 6-live work units, 2-commercial lots, 4-light-manufacturing lots, and 6-common lots. The project approval also included the approval of the first leg of the arterial collector frontage road adjacent to, and an encroachment onto State Route 44 by the City of Star, Canyon County Highway District No.4, and the Idaho Transportation Department (ITD).

Structural Engineering - Hedrick Residence | City of Eagle, ID

Complete 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 the code required lateral loading.

Civil Engineering, Land Planning, & Project Leadership | Relevant Experience

Mr. Wall's practice over the last 40-years has consisted of an array of structural engineering, engineering of site, grading, drainage, and utility plans, working with Clients from property acquisition through regulatory agency permitting to design and construction of major land development projects, and the assembly and leadership of high-performance A&E Teams to consistently deliver projects on-time, every time, exactly as promised. The following are a few of the project successes resulting from Mr. Wall's technical, planning, regulatory agency, business, and interpersonal acumen.

Board Of Supervisors - Appeal (1995) | Placer County, CA

Retained by the Clients 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.

Board Of Supervisors - Appeal (2021) | Placer County, 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.

Local Governance & Regulatory Agency Permitting | Relevant Experience

Over the last 35-years, Mr. Wall has represented many projects to regulatory agencies and been appointed to numerous local government boards and committees. The following are some of Mr. Wall's accomplishments in this area of his practice.

Property Loss - Deposition - Expert Witness | Loss of Single-Family Residence, Auburn, CA

Performed physical analysis, applied engineering principles, and provided expert testimony for the demolition and loss of a single-family residence during relocation by a building moving company.

Trial And Deposition Testimony (2004), Decree Condemnation | City of Auburn v. Auburn Business Center Association, Placer County, CA

Expert witness for the eminent domain of an 8.6-acre industrial property for the expansion of the City of Auburn Municipal Airport.

Civil Forensics & Expert Witness | Relevant Experience

Mr. Wall has provided Forensic Engineering and Expert Witness services throughout his 40-years of Civil Engineering, Land Planning, and Projects Leader experience. Services provided on the following projects included property claims, standard of care, eminent domain and appraisals, professional liability, and construction defects.

Construction Defects Expert Report & Litigation Support (2016 - 2017) | Case No. 27-2014-CV-00304, Dickinson Ready-Mix Co. v. CS Cunningham Construction, LLC, et al., McKenzie County, ND

Conducted forensic investigation, originated expert report, and provided litigation support regarding construction defects, breach of contract, and determined costs to complete repairs for the on-site sewage disposal system.

Construction Defects - Expert Report & Litigation Support (2022) | Case No. CV01-22-12868, Michael and Barbara Zeller v. Blue Ribbon Landscape & Maintenance, Inc., Boise, ID

Conducted field survey, originated expert report, and estimated repair costs for approximately 1,300 sf of failed Mechanically Stabilized Earth (MSE) retaining wall around existing swimming pool.

Construction Defects - Expert Report (2022) | Shop Construction, Caldwell, ID

Investigated and analyzed construction and originated expert report addressing defects with roof truss design and construction and foundation/slab construction.

Expert Report (2022) | LeJeune Deck Investigation, Great Falls, MT

Investigation and origination of expert report based upon claim of railing failure due to tornado/wind event.