



MARK G. NORDSTROM, P.E.
SENIOR STAFF CONSULTANT

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Mr. Nordstrom is a civil engineer with over 25 years of combined experience in engineering design, loss investigation and expert testimony. He has over 15 years of experience in civil engineering loss investigation in matters pertaining to municipal utilities, sanitary sewers, storm water conveyance/routing control systems, flood damage, roadways and pavement, structures and structural materials, building envelope failure/water infiltration/vapor damage, storm related property damage, soil mechanics, foundations, retaining walls, ground slope stability, vibration damage, building code compliance/construction defects, roadway and environmental illumination, personal injury/slip and fall, slip resistivity of walking surfaces, and ADA (Americans with Disabilities Act) access requirements.

Prior experience includes computer-based civil design and planning for residential, commercial, and municipal projects, as well as design, analysis, and structural detailing of residential and light commercial structures in areas of high snow, wind, and seismic loading conditions. Additionally, he has performed percolation tests and designed septic systems for residential and high occupancy facilities in areas of problematic clay soils. His field experience includes construction surveying, supervision and final inspection of rebar, forms, structural steel connections, pile driving, sub-grade preparation, soil compaction, traffic control, demolition, and sewer/water/storm drains.

Mr. Nordstrom also has extensive experience in photo/video analysis, digital 3D design, modeling, graphics, animation, interactive media, technical research and loss site investigation related to illustrative legal media.

He is a Registered Professional Civil Engineer in the states of Washington and California.

Areas of Specialization

ADA access requirements
Building code compliance
Slip and fall, slip resistivity of walking surfaces
Building envelope failure/water infiltration/vapor damage
Construction and land disputes
Construction defects
Flood and property damage
Photo and video analysis for dimensional measurements and event reconstruction
Roadways/pavement condition and maintenance
Sanitary sewers/potable water/storm water conveyance/routing control systems
Roadway and environmental lighting
Soil mechanics, foundations, retaining walls, ground slopes, vibration damage

Education

B.S., Civil and Environmental Engineering, University of Wisconsin-Madison, 1984
Milwaukee School of Engineering, Mechanical Engineering, 1979-1980

Licensed Professional Engineer (P.E.)

Registered Professional Civil Engineer, State of Washington, #30958
Registered Professional Civil Engineer, State of California, #C49491
Certified XL Tribometrist, #1206454

Positions Held

ESi (Engineering Systems Inc.), Seattle, Washington
Senior Staff Consultant, 2016 – Present

MDE, Inc., Seattle, Washington
Vice President & Principal, 2009 – 2016
Associate Forensic Engineer, 2003 – 2009

RaptorGraphics, LLC, Seattle, Washington
President, Co-Founder, 1992 – 2009

Pacific Interactive, Seattle, Washington
Lead 3D Digital Designer, 1995

Harmsen and Associates, Inc., Monroe, Washington
Civil Design Engineer, 1993 – 1995

Nordstrom Design, Tahoe City, California
Principal/Owner, Design Engineer, 1991 – 1993

Hale-Tippin Consultants, Tahoe City, California
Civil Designer/Project Manager, 1990 – 1991

Opitz Engineers, Kremmling, Colorado
Civil Designer, Field Technician, Draftsperson, 1986 - 1989

Training

ASCE (American Society of Civil Engineers) "Soil and Rock Stability" Seminar March 2017

ASCE "Earth Retaining Structures-Fill Walls" Seminar, September 2012

Excel Tribometer training and certification, June 2012

ASCE, "Investigation and Repair of Fire-Damaged Framing" Seminar, July 2011

"Soil Mechanics and Engineering for Building Professionals" Seminar- April 2011

University of Washington sponsored "Cold Regions Engineering" Five-Day Seminar, November 2010

"ATC-20 Post-Earthquake Safety Evaluation of Buildings" Seminar, June 2010

Portland Cement Association, "Troubleshooting Concrete Floors" Seminar, September 2008