



DAVID B. SWANSON, PE, SE

PRINCIPAL/DIRECTOR, STRUCTURAL ENGINEERING

Reid Middleton, Inc.
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Professional Licenses

Professional Engineer, Structural Engineering	Professional Engineer, Civil Engineering
California, S4473	Alaska, 9210
Hawaii, PE-9658 SE	California, C52839
Idaho, P-7531 SE	Hawaii, PE-9658 CE
Nevada, SE 020928	Idaho, P-7531 CE
Oregon, 17158PE	Nevada, CE 020928
Washington, 30586	Oregon, 17158PE
	Washington, 30586
Other	
LEED Accredited Professional, 2008	

Professional History

Company & Role	Dates
Reid Middleton, Inc. , Everett, WA Principal/Director of Structural Engineering	January 1999 - present
University of Washington Dept. of Civil Engineering , Seattle, WA Adjunct Professor of Structural Engineering	September 2007 - present
Pierce County Dept. of Emergency Management , Tacoma, WA Structural Specialist, FEMA National Urban Search and Rescue Team (WA-TF-1)	January 1993 - present
FEMA, Region X , Bothell, WA Program Officer DAE, Mitigation Support Division	July 1997 – September 1999
University of Washington , Seattle, WA Research Assistant, Structural Engineering & Mechanics Program	January 1991 - November 1991
KPFF Consulting Engineers, Inc. , Seattle, WA Structural Design Engineer	June 1990 - November 1991
N.G. Jacobson & Associates, Inc. , Seattle, WA Civil/Structural Design Engineer	March 1990 - June 1990
Hedges & Roth Engineering, Inc. , Kirkland, WA Engineering Technician/Designer	April 1986 - June 1989

Professional Experience Summary

David Swanson is a licensed Civil/Structural Engineer and Principal with over 20 years experience in the design of a wide variety of projects throughout the Pacific Northwest, California and Alaska. Dave's experience includes the design of new facilities, expansions, remodels, retrofits, condition surveys, seismic evaluations and upgrades, and on-site investigations of structures. His professional experience includes design, analysis, preparation and review of contract drawings and specifications, and construction administration services for commercial and industrial facilities constructed of timber, steel, reinforced masonry, concrete, and pre-stressed concrete. He has managed feasibility studies, condition assessments, peer reviews, permitting, cost estimation, scheduling, conceptual through final design, preparation of construction drawings and specifications, construction contract bidding and negotiation, and construction administration and inspection. Projects include office buildings, educational and institutional buildings, healthcare and hospital facilities, aviation facilities, justice facilities, warehouses, vehicle maintenance facilities, special military facilities, water/wastewater treatment plants, bridges and marine structures with design contracts ranging from \$500 to \$2.6M and construction contracts in excess of \$220M.

David joined Reid Middleton in 1991 and has designed and managed a wide variety of projects leading to the steady growth of the firm's engineering practice from 35 personnel in 1991 to over 100 personnel in 2009. In 1999, he became a Principal in the firm and a member of the firm's 7-person Board of Directors responsible for the strategic vision and mission of the firm. He currently serves as the Director of Structural Engineering and as Chairman of the Board of Directors at Reid Middleton. As Director, Dave manages the structural engineering resources of the firm, leads the strategic development of the firm, sets and monitors financial budgets and targets, establishes and maintains the firm's structural design standards, and serves as the Structural Engineer-of-Record for many of the firm's projects.

Dave's design practice and active professional involvement in SEAW, NCSEA, and ASCE provides an in-depth understanding of construction codes and standards and the consulting structural engineering profession are valuable assets to the firm and the design team. Dave's structural design practice regularly utilizes nonlinear finite element dynamic modeling to evaluate existing structures for seismic loading and to design seismic upgrades using state-of-the-art technologies such as base isolation, seismic damping and fiber-composite strengthening. Dave is a sought-after peer reviewer, code consultant, analysis reviewer, and technical speaker on earthquake engineering. He has authored and published technical papers on seismic and structural design, earthquake risk reduction, emergency preparedness, and the seismic rehabilitation of historic and essential buildings and infrastructure. Dave also serves as a part-time Adjunct Professor of Civil and Structural Engineering at the University of Washington where he teaches earthquake engineering, structural design, and structural mechanics and dynamics classes.

Dave is a licensed Civil and Structural Engineer in Alaska, California, Hawaii, Idaho, Nevada, Oregon and Washington. He holds Bachelor and Master of Science degrees in Civil and Structural Engineering from the University of Washington. Dave was named 2003 Structural Engineer of the Year by the Structural Engineers Association of Washington for his service in the advancement of earthquake engineering and seismic risk reduction.

Select Project Experience



- Seismic Risk Assessment and Upgrades, Seattle Tacoma International Airport, Port of Seattle, SeaTac, WA
- Ted Stevens Anchorage International Airport, South Terminal Seismic & Security Upgrades, Anchorage, AK
- Nisqually Earthquake Response and Recovery Services, City of Seattle DCLU, Seattle, WA



- Elevated Water Tanks Seismic Evaluation and Retrofit, City of Renton, Renton, WA.
- Morse Lake Temporary Pumping Plant, Seattle Watershed, Cedar Falls, WA
- Cedar Falls Storage Facility, Seattle Water Department, Cedar Falls, WA
- Delta Sky Club, Seattle-Tacoma International Airport, SeaTac, WA
- Alaska Airlines Seattle Maintenance Facility Seismic Upgrades, SeaTac, WA
- Alaska Airlines Oakland Maintenance Facility Expansion, Oakland, CA
- Courthouse Seismic Repair, Evaluation and Retrofit, Grays Harbor County, Montesano, WA



- Industrial Skills Center Seismic Retrofit, PSNS, Bremerton, WA
- Chemical/Metallurgical Analysis Facility Seismic Retrofit, PSNS, Bremerton, WA
- Port Operations Offices and Control Tower, PSNS, Bremerton, WA
- Central Parking Garage Structural/Seismic Improvements, University of Washington, Seattle, WA
- Seismic Improvements Program, Naval Medical Center San Diego, San Diego, CA
- Medical Office Buildings (Phase 1 and 2), Providence Alaska Medical Center, Anchorage, AK



- Naval Hospital Bremerton Seismic Upgrades, Bremerton, WA
- Valley Medical Center Parking Garage, Phase II, Renton, WA
- Ivar's Mukilteo Landing Renovation and Seismic Upgrades, Mukilteo, WA
- Seattle Art Museum, Seattle, WA
- Second & Seneca Building, Seattle, WA
- Parking Garage (Phase 1), Providence Alaska Medical Center, Anchorage, AK
- Ship Model Engineering & Support Facility, Naval Surface Warfare Center, Bayview, ID



- Soos Creek Lift Station 10B, Kent, WA
- Bridge Replacement, City of Des Moines, Des Moines, WA
- Soil Nail Wall, SR 18 and "C" Street Interchange, Auburn, WA
- Roadway Stabilization, Olympus Terrace Sewer District, Mukilteo, WA
- Pier 48 Structural Evaluation and Rehabilitation, Port of Seattle, Seattle, WA
- Port of Port Townsend Enhanced Haulout Facility, Port Townsend, WA
- Pier No. 1 Reconstruction, Port of Everett, Everett, WA

- Pier 1 West Reconstruction, Port of Astoria, Astoria, OR
- Ketchikan Floating Breakwater, US Coast Guard, Ketchikan, AK

Scholarly Reports and Publications

- Great East Japan (Tohoku) Earthquake Reconnaissance Report, Structural Engineers Association of Washington, 2011.
- Scenario for a Magnitude 6.7 Earthquake on the Seattle Fault, Contributing Author, EERI, June 2005.
- Structural Engineers Emergency Response Plan Manual (SEER Plan), Contributing Author, National Council of Structural Engineers Associations, 2003.
- Kobe Earthquake Reconnaissance Report, Structural Engineers Association of Washington, 1995.
- Torsional Response of Seismically Isolated Structures, Thesis, University of Washington, 1991.

Fully Refereed Conference Proceedings Technical Publications

- Seismic Safety Innovations for US Naval Hospitals and Medical Facilities, *Proceedings, 2011 Earthquake Engineering Research Institute Annual Meeting, 2011.*
- Rapid Evaluation and Assessment Program (REAP) – Innovative Post-Disaster Response Tools for Essential Facilities, *Proceedings, 2011 Earthquake Engineering Research Institute Annual Meeting, 2011.*
- Fluid Viscous Damper Seismic Upgrades Design Optimization for High Performance Welder Steel Moment Frame Structural Systems, *Proceedings, 2011 Earthquake Engineering Research Institute Annual Meeting, 2011.*
- Collection of Detailed Damage Data to Support Development of Rapid Condition Assessment Methods, *Proceedings, ASCE Structures Congress, American Society of Civil Engineers, 2011.*
- Upgrading a Lifeline for Seismic Safety through Performance-Based Earthquake Engineering—A Case Study at Anchorage International Airport, *Proceedings, TCLEE 2009: Lifeline Earthquake Engineering in a Multihazard Environment, American Society of Civil Engineers, 2009.*
- Mutual Benefits of Seismograph Installation at Naval Hospital Bremerton, *Proceedings, 8th National Conference on Earthquake Engineering, Earthquake Engineering Research Institute, 2006.*
- Use of Friction Dampers in Elevated Water Tanks, *Proceedings, 13th World Conference on Earthquake Engineering, Canadian Association for Earthquake Engineering, 2004.*
- Rapid Evaluation and Assessment Checklist Program (REACH) – A Case Study at Naval Hospital Bremerton, *Proceedings, 13th World Conference on Earthquake Engineering, Canadian Association for Earthquake Engineering, 2004.*
- Seattle Alaskan Way Seawall Emergency Earthquake Evaluation and Repair, *TCLEE 2003 Proceedings, ASCE, 2003.*
- Seismic Rehabilitation of Renton’s Elevated Water Tanks, 2003 Annual Conference, PNWS AWWA, 2003.
- Renton Elevated Water Tanks Seismic Evaluation & Retrofit, ATC-17-2 Seminar on Response Modification Technologies for Performance-Based Seismic Design, ATC, 2002.
- Seismic Damage, Evaluation, and Rehabilitation of the Historic Grays Harbor County Courthouse, 69th Annual Convention, Structural Engineers Association of California, 2000.
- Unique Design and Construction Features of a U.S. Navy Submarine Research Facility, *Ports '01 Proceedings, ASCE, 2001.*
- Seismic Damage, Evaluation, and Rehabilitation of the Historic Grays Harbor County Courthouse, *Proceedings, 2000 SEAOC Annual Convention, Structural Engineers Association of California, August 2000.*
- Evaluation of NEHRP Guidelines for the Seismic Rehabilitation of the McChord Air Force Base Fire Station, *Proceedings, 8th Canadian Conference on Earthquake Engineering, Canadian Association for Earthquake Engineering, 1999.*

- Seismic Vulnerability of Pacific Northwest Port Structures, *Ports '98 Proceedings*, ASCE, 1998.
- Rehabilitation of a Steel Sheet Pile Wharf Facility, *Ports '98 Proceedings*, ASCE, 1998.
- Observations of the Kobe Earthquake and Implications and Lessons Learned for Pacific Northwest Port and Industrial Facilities, *7th US/Japan Workshop on Improvement of Structural Design and Construction Practices*, Applied Technology Council, 1996.
- Vulnerability of Pacific Northwest Port-Related Lifeline Structures Based on Observations from the Kobe Earthquake of January 17, 1995, *Proceedings, Pan Pacific Hazards '96*, 1996.
- Bulkhead Rehabilitation at Port Facility, *12th Annual Symposium on Geotechnical Engineering and Earth Retention*, Vancouver BC Geotechnical Society, 1996.
- Furthering Local Knowledge of Earthquake Related Disasters, Experiences Learned from the Kobe Earthquake, *Proceedings, Natural Disaster Reduction '96*, ASCE, 1996.
- Vulnerability of Pacific Northwest Port-Related Lifeline Structures Based on Observations from the Kobe Earthquake, *Proceedings, Natural Disaster Reduction '96*, ASCE, 1996.

Non-Refereed Conference Proceedings & Other Non-Journal Articles

- Hospital Preparedness, Response and Recovery, *ASHE Journal*, 2005.
- Strong Medicine, *Modern Steel Construction Magazine*, February 2005.
- Preventative Medicine, *SAME Seattle Newsletter*, Spring 2004.
- Water Towers Repair Borrow on Building Technology, *Seattle Daily Journal of Commerce*, November 20, 2003.
- The Submarine Mission, *Civil Engineering Magazine*, ASCE, March 2002.
- Verdict Rendered, *Civil Engineering Magazine*, ASCE, November 2000.

Invited Lectures and Seminars

"Observations from the 2011 Christchurch NZ and Great East Japan (Tohoku) Earthquakes and Lessons Learned for the Pacific Northwest," presented at the Structural Engineers Association of Washington SW Chapter Earthquake Symposium, Tacoma, Washington, September 2011.

"Rapid Evaluation and Assessment Program with Seismic Monitoring Systems, An Innovative Post-Disaster Business Resumption Tool for Hospitals and Essential Facilities," presented at the Naval Hospital Camp Pendleton, Oceanside, California, September 2011.

"Reconnaissance Team Observations and Lessons Learned from the 2011 Great East Japan (Tohoku) Earthquake:"

- Washington State Department of Emergency Management Seismic Safety Committee
- American Society of Civil Engineers Seattle Section
- Society of American Military Engineers

Presentations Given at Conferences

"SEAW Disaster Reconnaissance: Japan, New Zealand, Chile, and Haiti Earthquakes, Observations and Implications for the Pacific Northwest," presented at the Structural Engineers Association Northwest Conference, Spokane, Washington, September 23, 2011.

"The Seattle Fault Scenario Project," presented at the SEA NW Conference, Lewiston, Idaho, July 22, 2005.

"The Seattle Fault Scenario Call to Action," presented at the Seattle Fault Scenario Conference, Bellevue, Washington, February 28, 2005.

"Naval Hospital Bremerton Seismic Risk Reduction Program and Performance-Based Seismic Retrofit," presented at the National Earthquake Conference, St. Louis, Missouri, September 9, 2004.

"Expectations of Performance Based Design," presented at the CREW – The Business of Earthquakes Symposium, Seattle, Washington, November 2001.

"Earthquake Vulnerabilities and Expected Building Performance," presented at the Partners in Emergency Preparedness Conference, Bellevue, Washington, 2000.

"Washington State's Experience with Post-EQ Safety Evaluations of Buildings Inspection," given to the Vancouver Structural Engineers Group Society, Vancouver BC, Canada, 1999.

"Geotechnical Aspects of the Taiwan Earthquake," presented at the ASCE National Convention, Seattle, Washington, 2000.

"Puget Sound Earthquake Scenario," given at the Washington State Ferries Design and Construction Conference, Seattle, WA, 1999.

"Unique Design and Construction Features of a US Navy Submarine Research Facility," presented at the American Society of Civil Engineers Ports '01 Conference, Norfolk, Virginia, 2001.

"Seismic Vulnerability of Pacific Northwest Port Structures," presented at the American Society of Civil Engineers Ports '98 Conference, Long Beach, California, 1998.

"Observations of the Kobe Earthquake and Implications and Lessons Learned for Pacific Northwest Port and Industrial Facilities," presented at the 7th US/Japan Workshop on Improvement of Structural Design and Construction Practices, Kobe, Japan, 1996.

"Vulnerability of Pacific Northwest Port-Related Lifeline Structures Based on Observations from the Kobe Earthquake of January 17, 1995," presented at the Pan Pacific Hazards Conference, Vancouver B.C., Canada, 1996.

"Furthering Local Knowledge of Earthquake Related Disasters, Experiences Learned from the Kobe Earthquake," presented at the American Society of Civil Engineers Natural Disaster Reduction Conference, Washington D.C., 1996.

"Vulnerability of Pacific Northwest Port-Related Lifeline Structures Based on Observations from the Kobe Earthquake," presented at the American Society of Civil Engineers Natural Disaster Reduction Conference, Washington D.C., 1996.

Professional Society Membership

- Member of the American Society of Civil Engineers (ASCE)
- Member of the American Society of Healthcare Engineers (ASHE)
- Member of the Washington State Society of Healthcare Engineers (WSSHE)
- Member of the Society of American Military Engineers (SAME)
- Member of the Earthquake Engineering Research Institute (EERI)
- Member of the Structural Engineers Association of Washington (SEAW)

Professional Society and Other Service

- Structural Specialist, FEMA Urban Search and Rescue Task Force, WA-TF-1 (1997-present)
- Team Leader, SEAW/ASCE Great East Japan (Tohoku) Earthquake and Tsunami Reconnaissance Team (2011)
- Field Team, EERI Christchurch New Zealand Earthquake Reconnaissance Team (2011)
- Team Leader, UW/NSF Haiti Earthquake Concrete Research Reconnaissance Team (2010)
- Team Leader, SEAW/UW Wenchuan Earthquake Reconnaissance Team (2008)
- Member, Board of Directors, Cascadia Region Earthquake Workgroup (2000-2004)
- Co-Chair, Publications, ASCE 2003 Structures Congress
- Member, Board of Directors, Structural Engineers Association of Washington (2000-2002)
- Member, Steering Committee, EERI Seattle Fault Scenario Project (2002-2006)
- FEMA Disaster Assistance Reservist, FEMA Region X (1995-2000)
- Chair, NCSEA Structural Engineers Emergency Response Committee (2002-2008)
- Chair, Analysis of Buildings Topic Area, 1998 EERI 6th US Conference on E.Q. Engineering
- Chair, SEAW Emergency Preparedness Committee (1996-2007)
- Chair, ASCE Lifelines and Earthquake Engineering Committee (1997-2000)
- Co-Team Leader, SEAW/UW Taiwan Earthquake Reconnaissance Team (1999)
- Member, Board of Appeals, Snohomish County, Washington (1998-present)
- Co-Chair, 1998 Structural Engineers Association NW Conference
- Member, PIANC Working Group 34, Effects of Earthquakes on Port Structures (1996)
- Member, SEAW/FEMA Holiday Snow Storm Reconnaissance Team (1996)
- Member, ASCE Standards Committee on Testing of Base Isolation Systems (1992-1994)
- Team Coordinator/Member, SEAW/UW Kobe Earthquake Reconnaissance Team (1995)
- Member, SEAW Lateral Forces Committee (1994-2000)
- Corresponding Member, BSSC NEHRP 1994-97 Provisions Update Committee

Lectures, Training & Professional Presentations

“Rapid Evaluation and Assessment Program with Seismic Monitoring Systems, An Innovative Post-Disaster Business Resumption Tool for Building Owners and Facility Managers,” presented at the Department of Atmospheric Sciences and Geophysics, University of Washington, Seattle, Washington, October 2011.

“Post-Disaster Safety Evaluations of Buildings and Infrastructure (ATC-20/45),” a day-long lecture and training session presented to the City of Bellingham and Whatcom County first-responders and facilities staff, Bellingham, Washington, October 5, 2011.

“Post-Disaster Safety Evaluations of Buildings and Infrastructure (ATC-20/45),” a day-long lecture and training session presented to City of Everett, Snohomish County, and Snohomish County PUD engineering and facilities staff, Everett, Washington, September, 2011.

The Great East Japan (Tohoku) Earthquake and Tsunami Symposium, University of Washington, Seattle, Washington, June 2011.

“Observations from the 2011 Canterbury Earthquake and Lessons Learned for the Pacific Northwest,” presented at the Structural Engineers Association of Washington Dinner Meeting, Seattle, Washington, May 2011.

“Performance Based Earthquake Engineering and its Application to Public Facilities,” presented at the State of Washington Department of Emergency Management, Camp Murray, Washington, April 2011.

“Observations and Lessons Learned for the Pacific Northwest from the 2010 Chile Earthquake,” presented at the Structural Engineers Association of Washington Earthquake Symposium, University of Washington, Seattle, Washington, May 2010.

“Reconnaissance Team Observations and Lessons Learned from the 2008 Wenchuan (China) Earthquake:”

- American Society of Civil Engineers Seattle Section
- Structural Engineers Association of Washington
- Disaster Communications Academy, South Seattle Community College

“Earthquake Safety for Healthcare Facilities,” presented at the Washington State Society for Healthcare Engineering Educational Sessions, Everett, Washington, June 13, 2007

“Structural Analysis and Design Lectures,” presented at the AIA Seattle Architectural Review Exam (ARE) Refresher Course, Seattle, Washington, October and April, 2005-present.

“The Seattle Fault Scenario,” presented at the EPA All Staff Meeting, Seattle, Washington, April 2005.

“Public Officials Briefing - The Seattle Fault Scenario Call to Action,” presented to the City of Seattle and Eastside Cities, Seattle and Renton, Washington, February 2005.

“The Engineer’s Role in Disaster Preparedness, Response, and Recovery,” presented at the SEAO Dinner Meeting, Portland, Oregon, May 6, 2004.

“The Engineer’s Leadership Role in Disaster Preparedness, Response, and Recovery,” presented at the ASCE Seattle Section Dinner Meeting, Bellevue, Washington, October 8, 2003.

“The Structural Engineer’s Role in Disaster Preparedness, Response, and Recovery - Preparedness,” presented at the 2003 ASCE/SEI Structures Congress, Seattle, Washington, May 30, 2003.

“Earthquake Engineering, Performance Based Design,” presented at:

- Alyeska Pipeline Service Company, Anchorage, Alaska, May 2, 2003
- Anchorage School District, Anchorage, Alaska, May 2, 2003
- RIM Architects, Anchorage, Alaska, April 2003

“Structural Considerations for Seismic Safety,” presented at the Seattle Public Utilities Disaster Preparedness Month Seminars, Seattle, Washington, April 2002

“Lessons Learned from Three Earthquakes,” presented at the 2003 ASCE Seattle Section Geotechnical Seminar, University of Washington, Seattle, Washington, March 15, 2003

“The Structural Engineer’s Role in Disaster Preparedness, Response, and Recovery,” presented at the SEAW Seattle Chapter Dinner Meeting, Seattle, Washington, November 26, 2002

“The Engineer’s Role in Disaster Preparedness and Response – Washington State Perspective,” presented at the CASE/ASCE MN Section Dinner Meeting, Minneapolis, Minnesota, November 2001.

Post-Earthquake, Hurricane, and Flood Safety Evaluation of Buildings Training (ATC-20/45):

- Structural Engineers Association of Hawaii (multiple sessions)
- ASCE Costa Rica Section
- ASCE Portland Oregon Section
- SEAQH and ASCE Hawaii Section (multiple sessions)
- Alabama Society for Professional Engineers

- City of Redmond
- Washington Association of Building Officials (multiple sessions)
- ASCE SEI Georgia Section
- US Navy NAVFAC Southwest and Northwest (multiple sessions)
- US Navy Naval Medical Center San Diego, CA
- US Navy Naval Hospital Bremerton, WA
- US Navy Naval Hospital Twentynine Palms, CA
- CASE/ASCE MN Chapter
- Structural Engineers Association of Washington (multiple sessions)
- Port of Seattle Engineering Department
- University of Washington (multiple sessions)
- City of Seattle Department of Design, Construction and Land Use (multiple sessions)
- Washington State Department of Transportation
- Washington State Department of General Administration
- Washington State Department of Corrections (multiple sessions)
- ICBO Western Washington Chapter
- Kitsap County Emergency Management Department
- City of Bainbridge Island Department of Public Works

“Building Performance in Earthquakes,” presented at:

- CREW Earthquake Awareness Symposium, Everett, WA
- CREW Earthquake Awareness Symposium, Lacey, WA
- CREW Earthquake Awareness Symposium, Bellingham, WA

Issues in Seismic Design and Construction

- Construction Specifications Institute

Lessons Learned from the 1999 Taiwan Earthquake:

- American Public Works Association
- Structural Engineers Association of Washington
- ICBO Western Washington Chapter
- Eastside Cities, Bellevue, Kirkland, Redmond
- City of Tacoma
- Port of Seattle

Lessons Learned from the 1995 Kobe Earthquake:

- Structural Engineers Association of Washington
- Washington State Department of Transportation
- U.S. Coast Guard, Facilities Design & Construction, Seattle

- U.S. Army Corps of Engineers, Seattle District
- Society of American Military Engineers
- Snohomish County, Development Services Division
- Professional Consultants of Snohomish County
- American Society of Civil Engineers, Waterways Committee
- Washington Public Ports Association
- Port of Everett
- Norwegian Commercial Club
- Ballard Lions Club
- Structural Engineers Association of Alaska
- U.S. Army Corps of Engineers, Alaska District
- State of Alaska Department of Transportation and Public Facilities
- American Society of Civil Engineers, Alaska Chapter
- World Trade Center, Alaska

Professional Awards

- 2009 Presidents Award for Outstanding Service, Structural Engineers Association of Washington
- 2007 Presidents Award for Outstanding Service, Structural Engineers Association of Washington
- 2006 Presidents Award for Outstanding Service, Structural Engineers Association of Washington
- 2005 Presidents Award for Outstanding Service, Structural Engineers Association of Washington
- 2003 Structural Engineer of the Year, Structural Engineers Association of Washington
- 2002 Presidents Award for Outstanding Service, Structural Engineers Association of Washington
- 1999 Presidents Award for Outstanding Service, Structural Engineers Association of Washington
- 1998 Presidents Award for Outstanding Service, Structural Engineers Association of Washington
- 1998 Engineering Excellence Award - Research, Western States Seismic Policy Council
- 1996 Gustave Willems Award, U.S. Section Permanent Intl. Association of Navigation Congress
- 1995 Presidents Award for Outstanding Service, Structural Engineers Association of Washington
- 1991 Structural Engineering Scholarship Award, Structural Engineers Association of Washington
- 1991 Hugh B. Williams Graduate Scholarship Award, Association of Drilled Shaft Contractors

Project Honors and Awards

- *2011 Silver Award for Exceeding Client Expectations*, Olympic Pipeline Whatcom Creek Crossing, American Council of Engineering Companies (ACEC)
- *2010 Large Business Gold Award*, Missile Assembly Building, American Council of Engineering Companies (ACEC)
- *2010 Gold Award for Exceeding Client/Owner Needs*, Alaska Airlines Maintenance and Engineering Building Seismic Upgrades, American Council of Engineering Companies (ACEC)
- *2010 Silver Award for Studies, Research & Consulting Engineering Services*, National Rapid Evaluation & Assessment Program (REAP), American Council of Engineering Companies (ACEC)
- *2009 APWA Project of the Year - Structures less than \$5M*, Frances Anderson Center Seismic Structural Retrofit, American Public Works Association (APWA)
- *2007 ACEC Silver Award - Social, Economic & Sustainable Design Considerations*, Naval Hospital Bremerton Seismic Upgrades Program, American Council of Engineering Companies (ACEC)
- *2007 ASCE Local Outstanding Civil Engineering Achievement Award in Structural Engineering*, Naval Hospital Bremerton Seismic Upgrades Program, Seattle Section of the American Society of Civil Engineers (ASCE)
- *2007 AGC of Alaska Excellence in Construction Award - Specialty Contractor/Vertical*, Providence Alaska Medical Center, SW Campus Expansion, Associated General Contractors of Alaska (AGC Alaska)
- *2005 ACEC Silver Award - Complexity*, Alaskan Way Earthquake Damage Repair, American Council of Engineering Companies (ACEC)
- *2004 ACEC Silver Award - Structural Systems*, Renton Elevated Water Tanks Retrofit, American Council of Engineering Companies (ACEC)
- *2004 Honor Award, Outstanding Example of Excellence in Concrete Construction*, Edmonds Mid-Waterfront & Bulkhead Replacement, Washington Aggregates & Concrete Association
- *2003 ASCE Honor Award for Excellence in Water Resources*, Renton Elevated Water Tanks Retrofit, Seattle Section of the American Society of Civil Engineers (ASCE)
- *2002 ASCE Outstanding Project Award for Excellence in Structural Engineering*, Edmonds 76th Avenue West Rockery Soil Nail Wall Strengthening, Seattle Section of the American Society of Civil Engineers (ASCE)
- *2002 ASCE Honor Award, City of Seattle Nisqually Earthquake Response*, Seattle Section of the American Society of Civil Engineers (ASCE)
- *2002 ASCE Honor Award*, Grays Harbor County Courthouse Seismic Retrofit, Seattle Section of the American Society of Civil Engineers (ASCE)
- *2002 Honor Award, Outstanding Example of Excellence in Concrete Construction*, Grays Harbor County Courthouse Seismic Retrofit, Washington Aggregates & Concrete Association
- *2000 APWA Project of the Year - Structures less than \$10M*, Grays Harbor County Courthouse Renovation, American Public Works Association (APWA)
- *2000 AIA Seattle "Spike Lee Doing the Right Thing" Design Award*, Grays Harbor County Courthouse Renovation, Seattle Section of the American Institute of Architects (AIA)
- *1998 WSSPC Awards in Excellence - Research Category*, SEAW Kobe Earthquake Reconnaissance - Increasing Local Knowledge, Western States Seismic Policy Council (WSSPC)