



## PERSONNEL QUALIFICATIONS

### John R. Crase | Associate Principal and Unit Manager



#### EDUCATION

- Saint Martin's College
  - Bachelor of Science, Civil Engineering, 1999

#### PRACTICE AREAS

- Repair and Rehabilitation Design
- Failure Investigation
- Concrete Structures
- Wood Structures
- Steel Structures
- Litigation Consulting

#### REGISTRATIONS

- Professional (Civil) Engineer in CA and WA
- Professional Engineer in IA, ID, MT, and OR

#### PROFESSIONAL AFFILIATIONS

- Seattle Building Enclosure Council
- Society for Marketing Professional Services
- Structural Engineers Association of Washington

#### CONTACT

jcrase@wje.com  
206.622.1441  
www.wje.com

#### EXPERIENCE

John Crase has broad-based experience in the construction industry, working on projects involving timber, steel, and concrete on a variety of industrial, commercial, and transportation structures. He focuses on the investigation, evaluation, and repair of structures and provides clients with practical solutions that balance economics, serviceability, and life cycle.

As manager of WJE's Seattle office, Mr. Crase supports a diverse group of engineering, architecture, preservation, and geotechnical professionals. His leadership skills apply directly to projects where team coordination encompasses multiple practice areas and external resources are required.

Prior to joining WJE, Mr. Crase spent six years as general manager of a wood component manufacturer and five years as a project engineer for Vector Engineering, where he provided civil and structural solutions for public agencies, developers, heavy civil contractors, and the timber industry.

#### REPRESENTATIVE PROJECTS

##### Repair and Rehabilitation Design

- Essex Roundhouse - Essex, MT: Decay repair and rehabilitation design for wood-framed locomotive maintenance building
- Private Residence - Mercer Island, WA: Repair and rehabilitation design for mid-century home impacted by runaway garbage truck
- Village West - Issaquah, WA: Fire damage repair and permitting for restaurant and office building
- Northwest Improvement Company - Roslyn, WA: Assessment, repair, and rehabilitation design for 1880s-era building

##### Failure Investigation

- Cabinet Gorge Fish Passage Facility - Clark Fork, ID: Investigation of cofferdam failure downstream of hydroelectric dam
- Partners Produce - OR and ID: Investigation of snow load damaged and collapsed agricultural storage and processing facilities
- Warehouse - Seattle, WA: Investigation and shoring design for failed heavy timber truss

- Priest Lake Marina - Priest Lake, ID: Investigation of partial collapse of boat storage building

##### Concrete Structures

- Indian Ocean Naval Installation Pier: Design of precast concrete formwork, hoisting, and erection plans for repairs
- Pacific Ocean Naval Installation: Design of formwork and casting sequencing for on-site fabrication of precast concrete manholes
- Corporate Campus - OR: Investigation of spalling concrete at private vehicle bridge

##### Wood Structures

- Oregon State University, Peavy Hall - Corvallis: Investigation and repair design for mass timber structure
- Life Care Centers - WA: Evaluation of wood-framed structures subject to impact damage
- Midwest Barn Structures - IA and NE: Investigation and repair design for wind uplift failure of open web truss roofs
- Private Residence - Mount Vernon, WA: Evaluation and repair of under-designed metal plate connected wood roof truss system

##### Steel Structures

- Major Retail Chain - Nationwide: Design of repairs for deficient or damaged open web steel joists
- Olympic Block Building - Seattle, WA: Investigation of corroded steel framing at areaway
- Packrat Storage - Puyallup, WA: Repair design of impact damage to steel columns and roof framing

##### Litigation Consulting

- SR 99 Tunnel - Seattle, WA: Investigation of multiple building damage claims along tunnel route
- Noll v. Special Electric - Kitsap, WA: Investigation of underground utility piping construction and materials
- NW Shippers - Puyallup, WA: Evaluation of adjacent excavation; design for site remediation and new retaining wall
- Private Residence - Seattle, WA: Investigation of gypsum board finishes and metal plate-connected floor trusses