

Job title	<i>Entry-Level Structural Engineer</i>
Reports to	<i>Supervisory Engineer</i>
Job Classification	<i>Non-Exempt</i>
Submit Resumes to:	<i>Pooja Jain (pjain@moffattnichol.com) and Jenna Hoglander (jhoglander@moffattnichol.com)</i>

Job purpose

Moffatt & Nichol's Seattle office is actively searching for an entry-level Structural Engineer with 0-5 years' experience to support design of:

- Waterfront structures and marine infrastructure projects including large marine terminals, marinas, vessel mooring and berthing structures, bulkheads, and breakwater and shore protection structures.
- Transportation structures including highways bridges and grade separations.

Duties and responsibilities

Responsibilities and experience will include supporting the analysis and design of waterfront projects including

- Structural analysis, design, and detailing of concrete, steel, and timber structures.
- Finite element static and dynamic structural modeling of marine structures
- Assist Senior Engineers with the preparation of design concepts, specifications, schedules, and cost estimates.
- Prepare design calculations and check calculations.
- Coordinate plan details with engineers and drafting technicians.
- Participate in inspection and rehabilitation of waterfront structures.

Other Duties

Please note this job description is not designed to cover or contain a comprehensive listing of activities, duties or responsibilities that are required of the employee for this job. Duties, responsibilities, and activities may change at any time with or without notice.

Qualifications

Qualifications include:

- B.S. and M.S. in Structural Engineering or Civil Engineering with an emphasis in earthquake and structural engineering.
- Experience with Microsoft Office and Mathcad. Experience with AutoCAD and Matlab are desirable.
- Experience with finite element analysis softwares like SAP2000 CSiBridge (desirable), and LPile (desirable)
- Knowledge of International Building Code, ASCE 7, ACI 318 Building Code Requirements for Structural Concrete, AISC Steel Construction Manual and AISC Seismic Design Manual.
- Knowledge of AASHTO LRFD Bridge Design Specifications and AASHTO Guide Specifications for LRFD Seismic Bridge Design is desirable.
- EIT or ability to obtain within 6 months of hire.
- TWIC card, or the ability to gain one within two months of hire.

Working conditions

This position works primarily in an office setting; some client visits and some field visits.

Physical requirements

No unusual physical requirements, but must be able to navigate unpaved terrain.

Direct reports

N/A

Moffatt & Nichol's EEO Statement

As a global business, Moffatt & Nichol relies on diversity of culture and thought to deliver on our goal of Creative People, Practical solutions serving our client needs, and ensures nondiscrimination in all programs and activities in accordance with Title VI and VII of the Civil rights Act of 1964. We continuously seek talented, qualified employees in our world-wide operations regardless of race, color, sex/gender, including gender identity and expression, sexual orientation, pregnancy, national origin, religion, disability, age, marital status, citizen status, protected veteran status, or any other protected classification under country or local law. Moffatt & Nichol is proud to be an Equal Employment Opportunity/ Affirmative Action Employer/ Federal Contractor desiring priority referrals of all protected veterans for job openings.
