



## SENIOR STRUCTURAL ENGINEER (GEOTECHNICAL ENGINEER)

Job# 15-00785

**SALARY: \$87,788.00 - \$109,735.00 Annually**

**OPENING DATE: 12/14/15**

**CLOSING DATE: Open until filled**

### GENERAL PURPOSE:

Under general direction, applies extensive and diversified knowledge of principles and practices related to structural engineering in a broad range of assignments. Applies knowledge and expertise through progressive experience to resolve crucial issues and unique conditions; performs advanced level professional structural engineering duties including those related to project management and contract administration; ensures work quality and adherence to professional engineering standards. Serves as technical expert or team leader for large engineering projects or multiple projects of smaller scope within a Program area, and manages the quality, scope, schedule, safety, security, and budget related to assigned project(s) or project elements. Coordinates assigned activities with other divisions, departments, and outside agencies.

### ESSENTIAL FUNCTIONS:

The following duties ARE NOT intended to serve as a comprehensive list of all duties performed by all employees in this classification, only a representative summary of the primary duties and responsibilities. Incumbent(s) may not be required to perform all duties listed and may be required to perform additional, position-specific duties.

- Oversees structural engineering planning, design, and construction work for large projects involving multiple consultants and contractors; directs work assignments; ensures adherence to quality, budget and schedules; and ensures work meets both Sound Transit and local agency activities.
- Supervises and coordinates structural engineering staff for support of several large and important projects or projects of significant size and complexity such as a major corridor segment.
- Independently conceives, plans and conducts research in problem areas of considerable scope and complexity and makes recommendations to resolve complex engineering issues.
- Provides support to Project Managers in the day-to-day oversight of the project construction and the associated coordination with Sound Transit divisions, third party partners and stakeholders, consultants and contractors; organizes and provides technical expertise and administrative support to the construction management team; responds to contractor request for information and processes contractor submittals including change orders.
- Performs advanced professional level duties in support of engineering design and construction programs; develops and applies design criteria, engineering standards, technical criteria, and quality control procedures.
- Responds to questions and inquiries from the general public, consultants, contractors, engineering professionals, and Agency staff regarding engineering projects or area of assignment.
- Assists in negotiations and establishment of formal agreements with contractors and consulting firms; administers assigned engineering contracts; and monitors engineering activities to assure contract compliance.
- Coordinates assigned activities and functions with other agency staff, local, state, and federal agencies/jurisdictions, and business partners. Interact, share knowledge, negotiate issues, and develop collaborative relationships.
- Coordinates the administration and approval of all necessary changes to the baseline scope, schedule, and budget for all contract work for assigned projects including achieving required approvals from the Change Control Board.
- Provides support to the department/division and others on matters as directed; serves as staff on a variety of committees as requested; prepares and presents staff reports and other necessary correspondence.
- Attends and participates in professional group meetings; maintains awareness of new trends and developments in the fields related to area of assignment; incorporates new developments as appropriate; ensures processes, policies and practices are interpreted and applied consistently and effectively; ensures accountability and compliance with all current and applicable state and federal laws, Agency policies and procedures, rules and regulations.

### MINIMUM QUALIFICATIONS:

#### Education and Experience:

Bachelors Degree in civil engineering, or closely related field and ten years of structural design and construction project administration experience with heavy civil structures including aerial structures, mined and cut-and-cover underground structures and tunnels, parking structures and maintenance buildings; OR an equivalent combination of education and experience.

#### Required Licenses or Certifications:

- Possession of a valid Washington State Drivers License.
- A valid certificate of registration as a Professional Engineer and Professional Structural Engineer issued by the State of Washington; is preferred.

#### Required Knowledge of:

- Operations, services, and activities of an engineering and construction program.
- Complex principles and practices of structural engineering.
- Project management techniques and principles.
- Principles of team leadership.
- Engineering consulting services and methods.
- Principles and practices of contract administration and management.
- Recent developments, current literature, and sources of information related to innovations and trends in civil engineering design and development.
- Engineering maps and records.
- Pertinent federal, state, and local laws, codes, and regulations as they apply to transit operations.
- Techniques to work effectively under pressure, meet deadlines, and adjust to changing priorities.
- Advanced principles and practices of governmental budget preparation and administration.
- Principles of business letter writing and basic report preparation.
- English usage, spelling, grammar, and punctuation.
- Modern office procedures, methods, and equipment including computers and computer applications such as word processing, spreadsheets, and statistical databases.

#### For a complete job description and to apply online, please visit:

<http://www.soundtransit.org/About-Sound-Transit/Jobs>

We are an Equal Opportunity Employer and value workplace diversity. We seek to create an environment and culture that embraces the differences of our employees. You will find an exceptionally diverse group of people at Sound Transit with regard to culture, beliefs, communication styles, and life and work experiences.

All qualified applicants are considered in accordance with applicable laws prohibiting discrimination on the basis of race, religion, color, gender, age, national origin, sexual orientation, physical or mental disability, marital status or veteran status or any another legally protected status.