



## **Associate Engineer (Structural Program)**

### **JOB SUMMARY**

Primary tasks are related to engineering design of structures, including preparing construction drawings, conducting engineering analysis and coordinating with clients, government agencies, and other design consultants; completing engineering designs and permit documents; and applying for relevant permits. Secondary tasks will include assisting with and conducting fieldwork, inspections, and other technical support.

### **MAJOR TASKS, DUTIES, AND RESPONSIBILITIES**

1. Serve as an Associate Engineer performing the following functions:
  - a. Prepare design drawings and visual aids in Autodesk Revit and AutoCAD software.
  - b. Make drawing revisions from sketches and red-line mark-ups.
  - c. Assists on tasks such as: preparation of permit applications, material testing, drawings, exhibits, and CAD work. Prepares portions of project documents independently.
  - d. Perform standard computations and analyses consistent with Y2 standards and the requirements of the appropriate permitting agencies including IBC, ASCE 7 and mechanics of materials.
  - e. Evaluates, selects, and applies standard techniques, procedures, and criteria to perform a task or sequence of tasks for conventional projects with few complex features.
  - f. Assist project engineer by collect data and gather information and/or documents from clients, agencies, site visits, etc.
  - g. Monitor construction, take field measurements for as-built conditions, verify site conditions are accurately represented in construction documents.
  - h. Perform field inspections, document observations, collect field samples or data, analyze field conditions.
  - i. Continually develop and increase knowledge and skills relevant to the engineering of structures both in new construction and remodel conditions.
  - j. Apply standard techniques, procedures, and criteria to perform assigned tasks.
  - k. Perform design tasks using the application of standard methods.
  - l. Increase in understanding of design and grow engineering judgement.
  - m. Prepare and submit reports and permit applications.
  - n. Works on small projects or portions of larger projects.
  - o. Performs basic to moderate design tasks.
  - p. Collaboratively uses judgement to determine adaptations in methods for non-routine aspects of assignments.
  - q. Performs research and investigations.
  - r. Presents design data in the form of a report, exhibit, or plan set.
  - s. Receives close supervision on unusual or difficult problems and receives a general review of all aspects of work.
  - t. Assists with client, customer, or official contacts and communication pertaining to specific assignments or meetings.
  - u. Possesses effective oral and written communication skills.
  - v. Actively seeks understanding of new information as encountered.

2. Work with Y2 team members and project team members; interface between team members and Y2 leadership.
  - a. Maintain a positive working relationship with team members.
  - b. Collaborate with Y2 leadership and other teams to prioritize projects, workloads, and clients.
  - c. Work with clients to ensure projects are meeting their goals and needs, then communicate necessary adjustments to leadership, teams, and owners.
  - d. Engage in appropriate professional development to enhance performance and gain or maintain certifications.
  
3. Service to the company, community, and profession
  - a. Engage in appropriate behavior and/or conduct that is consistent with continued growth of Y2.
  - b. Work within team to resolve internal conflicts and avoid escalation of issues.
  - c. Take an active role as an engineer to allow the owners and supervisors to focus on project management, staff, and corporate management.
  - d. Participate in marketing efforts for Y2 Consultants.
  - e. Take an active role in community and regional organizations to positively represent Y2.

## **PHYSICAL REQUIREMENTS:**

The ideal candidate must be able to complete all physical requirements of the job with or without a reasonable accommodation.

- Must be able to drive and/or hike to job sites.
- Must be able to remain in a sitting or standing stationary position 50% of the time.
- Must be able to safely lift and carry or otherwise move 50 pounds regularly, including while traversing irregular, steep terrain and changing elevations including mountainous areas.
- Must be able to consistently work in various outdoor weather conditions such as snow, cold, hot, and / or windy type environments.
- Must be able to ascend and descend ladders, scaffolds, stairs and work in confined spaces and in proximity to loud equipment.
- Must be able to position oneself to work in confined spaces such as trenches, pits, manholes, attics, and tunnels.
- Must be able to wear personal protective gear most of the day.
- Must be able to work alone at times.

## **QUALIFICATIONS**

1. Experience with CAD and design software.
2. Civil engineering/Architectural Engineering degree.
3. EIT Certificate or ability to obtain with in first three months of employment

## **BENEFITS**

This position is a full-time, benefited position. Benefits include medical, vision, and dental insurance; 401(k) plan; paid time off; life insurance; and short-and long-term disability insurance. Salary commensurate with experience. \$12,000 annual housing stipend for full-time, Jackson-based staff (pro-rated by pay period). Subsidized housing may also be available.

## **TO APPLY**

Email cover letter, resume, and professional references (3 or more) to [jobs@y2consultants.com](mailto:jobs@y2consultants.com) with the job title in the subject line.