

Job Title: SEASONAL ENGINEERING INTERN - BUREAU OF BRIDGES AND STRUCTURES

Agency: Department of Transportation

Closing Date/Time: 03/31/2023

Salary: 15.85 / Hour

Job Type: Hourly Full Time

County: Sangamon

Number of Vacancies: 3

*******COLLEGE TRANSCRIPTS ARE REQUIRED FOR THIS JOB POSTING*******

Please attach **COLLEGE TRANSCRIPTS** (official or unofficial) to the **MY DOCUMENTS** section of your application. You **WILL NOT** be considered for the position if you do not attach college transcripts.

All applicants who want to be considered for this position **MUST** apply electronically through SuccessFactors. Applications submitted via email or any paper manner (mail, fax, hand delivery) will not be considered. Interviews will not be conducted for these positions, only the education/coursework and experience listed with the application and transcript will be considered for determining eligibility and selection.

Agency Mission Statement

The Illinois Department of Transportation is seeking to hire Seasonal Engineering Interns for the summer of 2023. The Seasonal Engineering Intern Program is designed to give engineering students an opportunity to obtain on-the-job training from May 16, 2023, through August 15, 2023.

The IDOT team works diligently to provide safe, cost-effective transportation for Illinois in ways that enhance quality of life, promote economic prosperity and protect our environment. We are problem solvers and leaders, constantly searching for innovations and improvements in support of our commitment to providing the best multimodal transportation system for Illinois.

Our team fosters a culture of inclusivity. We value diversity and hold ourselves to the highest ethical standards as we work together for a common purpose. Team members frequently collaborate with colleagues and others outside the department to best meet customer needs.

We invite qualified applicants to apply to become part of our team for the summer of 2023. We are confident that you will take pride in serving Illinois and its residents and visitors.

Job Responsibilities

Under immediate supervision, this position assists in the structural analysis and detailed design required in the production of structural contract plans utilized in the construction of simple bridge and traffic structures.

This position reports to the In-house Bridge Design Unit Chief. There are no subordinates reporting to this position.

This position operates in an environment of developing and applying skills required to perform reviews of the structural analysis and design of simple structures. Under immediate supervision, this position processes bridge contract plans, assists in processes to determine bridge load capacities, and helps prepare estimates.

Typical problems faced by the incumbent may include the resolution of simple engineering problems and the utilization of learned structural theory to practical applications in structural design. The greatest challenge faced by the incumbent is utilizing technical knowledge to design and analyze simple types of structures which incorporate all departmental design policies ensuring they are cost effective and are structurally sound.

The incumbent assists in processing bridge contract plans, preparing estimates, helping with bridge standards and manual development, assisting in processes to determine bridge load capacities, and assisting with inspections.

(Job Responsibilities continued)

The incumbent performs his/her accountabilities under immediate supervision. The incumbent is guided by the American Association of State Highway Transportation Officials (AASHTO) specifications and current interim specifications and applicable departmental policies.

The incumbent has internal contact with personnel within the Bureau of Bridges and Structures.

The effectiveness of this position can be measured by the timely completion of assigned projects, the structural and analytical expertise displayed in the analysis and design of projects and the incumbent's ability to solve structural engineering problems in the office.

Principal Accountabilities

1. Assists with processing bridge contract plans.
2. Assists with the preparation of estimates.
3. Assists with processes to determine bridge load capacities.
4. Performs all duties in compliance with departmental safety rules. Performs all duties in a manner conducive to the fair and equitable treatment of all employees.
5. Performs other duties as assigned.

Qualifications

Position Requirements

- Valid driver's license
- Completion of high school or a GED
- Current enrollment in a college engineering program
- Frequent travel within the district
- ANSI Class 75, 6" or higher, steel toe safety shoes
- Automobile liability insurance

Position Desirables

- Understanding of design plans/blueprint reading and the ability to perform necessary technical computations in plan preparation
- Education in math to the level of trigonometry
- Strong computer skills
- Knowledge of materials testing and laboratory testing equipment
- Ability to communicate effectively and follow oral and written instructions

Work Hours: 8:00 AM - 4:30 PM; Monday - Friday

Work Location: 2300 S Dirksen Pkwy Springfield, IL 62764-0001

Office: Office of Highways Project Implementation/Bureau of Bridges and Structures

Agency Contact: Dot.SummerApplications@Illinois.gov

Job Function: Transportation