

Job Title: ENGINEERING TECH I - ASSISTANT REPAIR PLANS TECHNICIAN - IPR#46470

Agency : Department of Transportation

Closing Date/Time: 04/17/2023

Salary: \$2,695 - \$4,735 Monthly

Job Type: Salaried Full Time

County: Sangamon

Number of Vacancies: 1

Plan/BU: NR916 - Protech Teamsters

This position is a union position; therefore, provisions of the relevant collective bargaining agreement/labor contract apply to the filling of this position.

All applicants who want to be considered for this position MUST apply electronically through the illinois.jobs2web.com website. State of Illinois employees should click the link near the top left to apply through the **SuccessFactors employee career portal.**

Applications submitted via email or any paper manner (mail, fax, hand delivery) will not be considered.

Agency Mission Statement

The Illinois Department of Transportation is seeking to hire Engineering Technicians (ET I).

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.

The department offers extensive training and career advancement opportunities.

- As a Engineering Technician I, you have the possibility of promoting to an Engineering Technician II within 18-24 months.
- A possibility of promoting to an Engineering Technician III within 30-36 months.

Engineer Technician I's with the Illinois Department of Transportation are trained in a variety of specializations during their career. They work with engineers from diverse backgrounds, experiences, and careers. They are exposed to both external and internal engineering professionals. This program is a unique opportunity to expand your knowledge and career while networking within a vast engineering network. IDOT offers an ideal program to start and expand an engineering career.

Employees also receive a robust benefit package including:

- Monday-Friday work schedule
- Flexible work schedules are available in many program areas.
- Health, Life, Vision, and Dental Insurance
- Pension Plan
- (10) Weeks paid Maternity/Paternity Leave
- Deferred Compensation Program and other pre-tax benefit programs (Medical/Daycare)
- Employees earn (12) paid Sick Days annually.
- New Employees earn (10) paid Vacation Days their first year of service and can earn up to (25) paid Vacation Days annually.
- Employees earn (3) paid Personal Days annually.
- (13-14) paid holidays annually (based on start date)
- Tuition Reimbursement

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

Job Responsibilities

This position serves as a member of the Investigations and Repair Plans Group Sub-Unit which is accountable for using computer-aided design and drafting (CADD) equipment in the drafting of structural repair and retrofit design drawings for emergency maintenance and repair design work. The Investigations and Repair Plans Group Sub-Unit also provides other structural repair and design drawings for the Bureau of Bridges and Structures as needed.

Annual projects: 75 - 100

Annual contract value of repairs: \$2,500,000 - \$5,000,000

This position reports to the Investigations and Repair Plan Group Technician. There are no subordinates reporting to this position.

CADD systems are highly specialized and are a rapidly developing area of highway and structural engineering. The incumbent operates in an environment that coordinates the ongoing rehabilitation projects with the sudden and unpredictable emergency repair characteristics of the Bridge Investigations and Repair Plans Unit. This position operates in an environment of drafting plan layouts of structural repairs, rehabilitations, and retrofit plans of structures of moderate complexity. These structures require comprehensive, concise, and clear structural detailing to convey the engineer's design in the most efficient manner.

The greatest challenge faced by the incumbent is the production of complete and comprehensive repair plans. S/He is challenged to assist in preparing emergency repair plans in a minimum amount of time while ensuring compliance with departmental policies and procedures. Typical challenges encountered in this position include the need to develop and maintain a working knowledge of repair techniques and unique details for structural deficiencies of simple to moderate complexity.

The incumbent will assist in drafting repair and retrofit structural plans from design computations prepared by engineers within the Bridge Investigations and Repair Plans Unit. S/He will assist in using CADD equipment in the production of repair and rehabilitation plans.

The incumbent is given minimum latitude to act when performing the accountabilities of this position but refers problems concerning deviation from departmental policies, specifications, and standards to the Investigations and Repair Plan Group Technician for resolution. The incumbent is guided by the American Association of State Highway and Transportation Officials (AASHTO) specifications, interim specifications, and departmental policies and specifications.

(Job Responsibilities continued)

Internal contacts include engineers within the Bridge Investigations and Repair Plans Unit, along with contacts within the Local Bridge Unit, the Bridge Ratings and Permits Unit, the Bridge Management and Inspection Unit, and other staff within the Bureau of Bridges and Structures.

The effectiveness of this position can be measured by the technical expertise displayed in the production of simple repair plans and by the timely completion of assigned projects.

Principal Accountabilities

1. Performs layout and drafting of simple structural repair plans from design computations.
2. Produces repair plans utilizing MicroStation software.
3. Prepares efficient and concise emergency repair details in a minimum amount of time while ensuring compliance with departmental policies and procedures.
4. Develops and maintains knowledge of repair techniques and unique details for incorporation into repair plans.
5. Performs duties in compliance with departmental safety rules. Performs all duties in a manner conducive to the fair and equitable treatment of all employees.
6. Performs other duties as assigned.

Qualifications

Position Requirements

- Education/Experience:

- Completion of two years of college in civil engineering technology, pre-engineering, or a job-related technical/science curriculum; OR
- Two years of engineering experience

Position Desirables

- Working knowledge of CADD software applications with a special emphasis on plan preparation
- Working knowledge of MicroStation software
- Working knowledge of ProjectWise and Microsoft Office Suite software applications
- Strong attention to detail skills
- Good oral and written communication skills

Work Hours: 8:00 A.M. - 4:30 P.M. Monday-Friday

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

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

Agency Contact: DOT.CONTACTHR@ILLINOIS.GOV

Job Family: Transportation; Sciences and Natural Resources; Technology

APPLICATION INSTRUCTIONS

Use the “Apply” button at the top right or bottom right of this posting to begin the application process.

If you are not already signed in, you will be prompted to do so.

State employees should sign in to the career portal for State of Illinois employees – a link is available at the top left of the Illinois.jobs2web.com homepage in the blue ribbon.

Non-State employees should log in on the using the “View Profile” link in the top right of the Illinois.jobs2web.com homepage in the blue ribbon. If you have never before signed in, you will be prompted to create an account.

If you have questions about how to apply, please see the following resources:

State employees: Log in to the [career portal](#) for State employees and review the [Internal Candidate Application Job Aid](#)

Non-State employees: on Illinois.jobs2web.com – click “Application Procedures” in the footer of every page of the website.

The main form of communication will be through email. Please check your “junk mail”, “spam”, or “other” folder for communication(s) regarding any submitted application(s). You may receive emails from the following addresses:

- donotreply@SIL-P1.ns2cloud.com
- systems@SIL-P1.ns2cloud.com