

Job Title: ENGINEERING TECH III - LOCAL BRIDGE SERVICES TECHNICIAN - IPR#45935

Agency : Department of Transportation

Closing Date/Time: 10/05/2022

Salary: \$3,920 - \$6,775 Monthly

Job Type: Salaried Full Time

County: Sangamon

Number of Vacancies: 2

Plan/BU: NR916 - Protech Teamsters

*This position is covered by the Revolving Door Prohibition Policy.

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 Local Bridge Services Technicians.

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. 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 is accountable for providing practical working knowledge in moderately complex structural inspection, rating, posting, repair, and rehabilitation of local bridges needed by the Bureau of Bridges and

Structures in administering the Federal Bridge Standards and State Statutes. Additionally, this position reviews and updates structure inventory data in the Illinois Structure Information System.

Operating expenses:	\$80,000 annually
Bridge investigations:	350 annually
Number of bridges monitored:	18,000

This position reports to the Local Bridge Unit Chief. There are no subordinates reporting to this position.

This position works in an environment that involves direct contact and working arrangements with representatives of local agencies while investigating structures to be rated or rehabilitated. It is characterized by providing moderately complex services to state, local, and private agencies for direction and assistance in their inspection, rating, and posting. This position provides information and guidance to district offices and local agencies to assist them in establishing and prioritizing candidate bridges for replacement or rehabilitation, and in properly obtaining and coding accurate and timely structure inventory data in accordance with federal requirements and statutes.

The greatest challenge of this position is protecting the motoring public from dangerous bridges by detecting structural defects that have reached a critical state and recommending local agencies to immediately post, close structures, or make repairs when necessary. Typical challenges include gathering complete information to allow an accurate determination of a moderately complex structure's load carrying capacity. Other challenges include dealing with various state and local agencies to prompt required local bridge inspections within prescribed time frames and to ensure that bridges are posted, closed, and reported as required.

The incumbent schedules inspections with district offices and local agencies and performs inspections of local agency bridges. The incumbent prepares clear and accurate field measurements, drawings, and photographs; determines and records structural deterioration or damage; and submits this data to the Senior Local Bridge Liaison Engineer for structural capacity determination. The incumbent inputs, analyzes, and reviews moderately complex computerized structure data and develops and applies improved procedures to ensure its accuracy. S/He develops, coordinates, and distributes reports to be used in reviewing and monitoring the status of bridge inspections, ratings, and postings.

(Job Responsibilities continued)

The incumbent is given general latitude to undertake and organize work and accomplish objectives according to established policies and procedures. S/He has freedom to exercise personal judgment in many activities to expedite their satisfactory completion within prescribed schedules. S/He consults with the Local Bridge Unit Chief in unusual or sensitive issues or if complex problems are encountered.

The incumbent's frequent internal contacts include staff in the Bureaus of Local Roads and Streets and Operations, Office of Planning and Programming, and district offices. External contacts include county, municipal, and township officials; railroad personnel; consulting engineers; and staff at the Illinois Toll Highway Authority, Federal Highway Administration (FHWA), and Department of Natural Resources. Frequent statewide travel with overnight stays is required to perform bridge inspections and attend training sessions. The incumbent must be able to inspect bridges with the use of ladders, waders, and under-bridge inspection vehicles.

The effectiveness of this position is measured by the number of structures inspected and the quality of field condition drawings and photographs submitted for rating. It is also measured by the degree of assistance provided to district office and local agency personnel, quality and consistency of structure reports and tabulations, and feedback from personnel with whom the incumbent has contact.

Principal Accountabilities

1. Prioritizes, schedules, and performs local agency bridge rating inspections varying from simple to moderately complex.
2. Ensures that accurate field drawings, measurements, and photographs are produced for evaluation and structural determination of local agency structures.
3. Provides advice and guidance to district office and local agency personnel concerning bridge closures, posting procedures, and inspection techniques.
4. Establishes, develops, and utilizes moderately complex techniques to identify, monitor, and correct shortcomings or deficiencies in Illinois bridge inventory data that are not consistent with federal and state requirements and statutes which could result in reduced bridge funding.
5. Ensures moderately complex official departmental structural rating and posting recommendations are clearly

and accurately reported to the local agency having jurisdiction, and that they are included in the structure database in accordance with state statutes.

6. Ensures complete and accurate letters, articles, and reports are provided as scheduled or requested.
7. Performs duties in compliance with departmental safety rules. Performs all duties in a manner conducive to the fair and equitable treatment of all employees.
8. 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 PLUS thirty months of engineering experience; OR
 - Six years of engineering experience
- Successful completion of FHWA-NHI-130055: Safety Inspection of In-Service Bridges
- Illinois National Bridge Inspection Standards Team Leader Certification
- Ability to inspect bridges with the use of ladders, waders, and under-bridge inspection vehicles
- Valid driver's license
- Frequent statewide travel with overnight stays

Position Desirables

- Ability to plan, organize, and coordinate local agency bridge inspection trips statewide
- Knowledge of the IDOT Structure Information and Procedure (SIP) Manual
- Knowledge of the Illinois Structure Information System
- Experience using MicroStation, Microsoft Word, and Microsoft Excel
- Bridge inspection experience including taking section loss measurements and inspection sketch detailing
- Successful completion of FHWA-NHI-130078: Fracture Critical Inspection Techniques for Steel Bridges

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.CO.BPM.EmploymentApplications@illinois.gov

Job Family: Transportation

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