

Job Title: ENGINEERING TECH I - PAVEMENT PROPERTIES TECHNICIAN - IPR#44525

Agency: Department of Transportation

Closing Date/Time: 04/15/2021

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

Job Type: Salaried Full Time

County: Sangamon

Number of Vacancies: 2

Plan/BU: NR916

DO NOT APPLY ONLINE

****DO NOT CLICK THE APPLY BUTTON****

HOW TO APPLY:

Technical Applications PM1080 (rev 3/8/21) must be received by the Bureau of Personnel Management, Room 113, 2300 South Dirksen Parkway, Springfield, IL 62764 (Fax# 217/557-3134) or emailed to DOT.CO.BPM.EmploymentApplications@Illinois.gov by the closing date listed above. The previous application form revised 10/16/20 will be accepted until May 8, 2021. The previous application form revised 10/16/20 will be accepted until May 8, 2021. Please visit <https://idot.illinois.gov/about-idot/employment-opportunities/employment/index> to download the Technical Application PM1080.

Please indicate IPR#44525 on the Technical Application PM1080.

Applicants may submit college transcripts for completed coursework.

Agency Mission Statement

The Illinois Department of Transportation is seeking to hire Pavement Properties 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.

Employees enjoy excellent benefits, including health, vision and dental insurance; a retirement plan and deferred compensation options; state holidays and other time off; tuition reimbursement; flexible schedules; and pre-tax benefit programs. The department also offers extensive training and career advancement opportunities.

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 the daily collection of field data during the annual test season (approximately March 1 through October 31). Additionally, the incumbent will be responsible for assisting with equipment maintenance and calibration. The incumbent may participate in roadway surveys and in the collection of information to support the research and pavement management responsibilities of the Bureau of Research.

This position reports to the Operations Chief. No subordinates report to this position.

This position works in an environment where the incumbent, following general oral and written instructions and location maps, assists with pavement testing during the annual test season. During the non-testing season, the incumbent assists with routine equipment maintenance and calibration, general office assistance, or is assigned to one of the Bureau of Research's laboratory testing areas.

Test equipment involved in the annual testing program includes video inspection vehicles, a lightweight profiler, skid testing equipment, and a falling weight deflectometer. The incumbent assists in the processing of data using computers or calculators and provides collected data in a useable format. Results of tests made with this equipment directly impact decisions made by central offices, central bureaus, and districts regarding various departmental operations.

Typical problems include conducting field testing during inclement weather while on overnight travel and determining the most effective manner to complete the testing in a safe and accurate way. The greatest challenge of this position is in planning the efficient use of time and equipment while ensuring that the collected data is accurate and appropriate.

As a member of a test crew, the incumbent is responsible for operating or assisting in the operation of pavement evaluation equipment under traffic conditions. As such, the incumbent needs the ability to safely drive and maneuver vehicles with or without trailers under all traffic conditions. As necessary, s/he assists with maintaining, calibrating, and correlating field test equipment.

(Job Responsibilities continued)

Repairs, parts, and supplies required for the successful completion of the work schedule are recommended to the Operations Chief. The incumbent provides schedules and reports the progress of field test programs. On occasion, the incumbent may be required to participate in short-term research studies. While involved with special research studies, s/he may be responsible for installing and monitoring specialized instrumentation equipment. During the off-season, the incumbent may be assigned to other duties such as laboratory testing within the Bureau of Research.

The incumbent is under direct supervision and performs assigned tasks while referring problems to the Operations Chief. The incumbent collects all field data following established American Society for the Testing of

Materials (ASTM) and American Association of State Highway and Transportation Officials (AASHTO) test procedures and test methods, as well as those established by the Operations Chief.

At the test site, the incumbent has frequent contact with district and local agency personnel to coordinate field testing programs and arrange traffic protection needs. Occasionally, the incumbent meets with central bureaus, the Federal Highway Administration, and University of Illinois representatives to discuss results and methods of field data collection. The incumbent will personally operate various types of test equipment as manpower availability dictates and verify that collected data is in a usable form. He or she must have the ability to safely drive and maneuver vehicles with or without trailers under all traffic conditions. During the test season, local and overnight stays are required to conduct field testing. Limited out-of-state travel with occasional overnight stays may be required to participate in equipment correlation/calibration sessions.

The effectiveness of this position is measured by the ability to travel daily, ensure that equipment is functioning properly, and that tests are made at the correct location to ensure the timely completion of the field-testing programs. This is accomplished by understanding the test equipment used, the motivation to travel daily, the ability to verify the quality and accuracy of collected results and ensuring that down time for equipment repairs is kept to a minimum.

Principal Accountabilities

1. Develops an understanding of the test equipment operation and goals of the various testing programs.
2. Operates or assists in the operation of the equipment used and providing results promptly and accurately.
3. Performs or assists in the maintenance of test equipment and assists in their calibration and correlation.
4. Performs data reduction of field data into the usable format with the aid of computers or calculators.
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
- Valid Illinois driver's license with no court ordered restrictions and ability to safely drive and maneuver vehicles with or without trailers under all traffic conditions
- During the test season, local travel and overnight stays. Limited out-of-state travel with occasional overnight stays

Position Desirables

- Working knowledge of reading and interpreting roadway construction plans
- Physically able to lift 50 pounds and occasionally lift 100 pounds
- Working knowledge of Microsoft Word, Excel, and Access
- Strong written and oral communication skills

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

Work Location: Springfield - 631 Eastdale Ave

Office: Office of Planning & Programming/Research

Agency Contact: DOT.CO.BPM.EmploymentApplications@Illinois.gov

Job Function: Transportation

Collective Bargaining Agreement language applies to this requisition

We are currently transitioning our application process away from paper process to an electronic application process. This position has not been transitioned please follow the directions below when applying to this position.

Please visit the IDOT website at <http://www.idot.illinois.gov/about-idot/employment-opportunities/employment/index> to obtain the required bid forms and application forms.