

**Civil Engineer Trainee (2 Positions)
Research Engineer Trainee**

IPR Number:	43679	Union Position:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Position Number:	PW110-23-10-902-10-01	Shift:	8:00 am – 4:30 pm
Opening Date:	September 3, 2019		Monday – Friday
Closing Date:	December 2, 2019	Salary:	\$4,275 – \$4,655*

Office/Central Bureau/District/Work Address:

Office of Planning and Programming / Bureau of Research / 2300 South Dirksen Parkway, Springfield, Illinois

Position Purpose:

This position is accountable for assisting with pavement distress surveys, investigations, data collection and analysis, testing, and inspection of pavements and various treatments utilized in transportation infrastructure.

Qualifications:

Position Requirements:

- Completion of a master's or bachelor's degree in engineering from an ABET accredited college OR a current Engineer Intern License in the state of Illinois (includes those expecting to graduate in fall of 2019 or spring of 2020) (Note: Those applying with only a degree must have a minimum of 2.5 cumulative GPA in engineering related courses. If 2.0-2.5 GPA, applicants must have passed the Fundamentals of Engineering exam.)
- Valid driver's license
- Occasional in-state and out-of-state travel with overnight stays
- ANSI Class 75, 6" or higher, steel toe safety shoes required by start date

Position Desirables:

- Completed coursework in pavement design and rehabilitation, materials testing, or pavement testing
 - Experience in technical writing and presentations
 - Strong oral and written communication skills
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How to Apply/Remarks:

Technical Applications PM1080 (rev 8/23/19) 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 4:30 pm on the closing date listed above. Applications will not be accepted after this date and time. The previous application form revised 6/1/17, will be accepted until 4:30 pm on October 23, 2019.

Agency Contact: Bureau of Personnel Management, 217/782-5594

Unofficial college transcripts must be included with application. Official college transcripts must be submitted upon date of employment. Applicants possessing an Engineer Intern License must also include a copy with application. Applicants not submitting these documents by the posting deadline will not be considered for employment.

To be considered for a permanent position within IDOT, you must either be a US citizen or a non-citizen with permanent work authorization.

Only education/coursework and experience listed within the application will be considered for determining eligibility for this position.

Please be advised that if a high volume of applications is received, the applications may be screened to establish a smaller pool of applicants for interview. The screening will be based on the information contained in the application.

Applicants will be notified in writing to schedule interviews.

*Individual salary offers are computed based on an applicant's current position and experience level in comparison to the posted title as well as internal equity of staff in the organizational unit.

**ILLINOIS DEPARTMENT OF TRANSPORTATION
POSITION DESCRIPTION**

DATE:	July 16, 2019	WORKING TITLE:	Research Engineer Trainee
POSITION CLASSIFICATION:	Civil Engineer Trainee	OFFICE/BUREAU:	Office of Planning and Programming / Bureau of Research
POSITION NUMBER:	PW110-23-10-902-10-01	REGION/DISTRICT:	n/a

Position Purpose

This position is accountable for assisting with pavement distress surveys, investigations, data collection and analysis, testing, and inspection of pavements and various treatments utilized in transportation infrastructure.

Dimensions

Programs: All awarded construction contracts

Nature and Scope

This position reports to the Pavement Management and Analysis Engineer. There are no subordinates reporting to this position.

This position assists with surveys, investigations, data collection and analysis, testing, and inspection of pavements and various treatments utilized in transportation infrastructure. These treatments include hot-mix asphalt (HMA) overlays, Portland cement concrete (PCC) overlays, pavement preservation techniques, or other treatments as required. As part of a rotation program, the incumbent may be transferred between various units within the central Bureau of Research.

A typical problem for the incumbent would be to conduct a study to determine how a specific preservation or rehabilitation treatment performed based on pavement condition and material properties and to prepare a report to document the findings. The greatest challenge to this position is in assisting with the evaluation of treatments used in transportation infrastructure.

This position is responsible for: 1) collecting and/or analyzing pavement condition and performance data; 2) analyzing and correlating field data with pavement maintenance and rehabilitation models; 3) evaluating treatments which exhibit performance problems; 4) surveying various pavement types; 5) assisting in the development and updating of pavement design publications and specifications; 6) assisting in the development of reports for special pavement investigations; 7) reviewing research reports from outside agencies; and 8) assisting with various pavement research.

The incumbent has latitude in accomplishing assigned responsibilities. Problems of an unusual or sensitive nature are referred to the Pavement Management and Analysis Engineer for resolution. The incumbent is constrained by departmental policies and procedures, as well as state, local, and federal policies and/or procedures.

The incumbent's primary contacts are within the bureau. However, the incumbent may have occasional contact with other departmental bureaus and districts. Outside contacts may include colleges or universities, Federal Highway Administration, industry organizations, and other state departments of transportation. The incumbent will occasionally travel throughout the state to obtain field data and assist with problem solving, performing

inspections, monitoring studies, collecting data, and attending conferences and meetings. S/He may be required to travel out-of-state to participate in workshops and seminars.

The effectiveness of this position is measured by the success in satisfactorily completing assigned work by scheduled target dates; by the acceptability of collected, analyzed, and summarized data; and by the effective communication of findings through oral and written summaries.

Principal Accountabilities

1. Collects and/or analyzes pavement condition and performance data.
2. Analyzes and correlates field data with pavement maintenance and rehabilitation models.
3. Assists in the development and updating of pavement design publications and specifications.
4. Assists in the development of reports for special pavement investigations and review of research reports.
5. Conducts field surveys of various pavement types used in transportation infrastructure.
6. Prepares memorandums and reports of findings.
7. Travels on an as-needed basis to perform the duties of this position.
8. Performs duties in compliance with departmental safety rules. Performs all duties in a manner conducive to the fair and equitable treatment of all employees.
9. Performs other duties as assigned.

Subordinates of this position

Position Classification	Position Number	Working Title	Authorized Identical
n/a			

Supervisor of this position

Immediate Supervisor Position Classification: Civil Engineer IV
Working Title: Pavement Management and Analysis Engineer
Position Number: PW114-23-10-902-10-01


Position Requirements

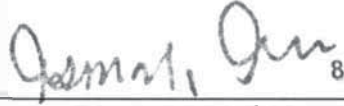
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Agency Approvals


Bureau Chief of Personnel Management


Secretary, Department of Transportation