Job Title: ENGINEERING TECH I - MATERIALS TECHNICIAN - IPR#46036

Agency : Department of Transportation
Closing Date/Time: 11/17/2022
Salary: $2,695 - $4,735 Monthly
Job Type: Salaried Full Time
County: Lee
Number of Vacancies: 3
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 an Engineering Technician 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 an Engineering Tech I, you have the possibility of promoting to an Engineering Tech II within 18-24 months.
- A possibility of promoting to an Engineering Tech III within 30-36 months.

Engineering Technician I's with the Illinois Department of Transportation 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 is accountable for performing inspection, sampling, testing, and reporting for various construction materials originating in the district.

Graphic Region:	2 - 5 County Area
Annual Value of Materials Inspected:	$7 - $20 Million
Number of Mixture Plants:	25 - 30
Number of Aggregate Plants:	20 - 40
Number of Laboratory Samples:	250 - 2,500

This position reports to the Area QC/QA Bituminous Mixtures Technician. This position has no subordinate personnel. The incumbent of this position may also be assigned to one of the other sub-units of the Mixtures Control Unit or one of the other functional units in the Materials Section which include Physical Tests or Geotechnical on a project basis.

The incumbent will perform in an encompassing environment of material inspection, sampling, and testing. The incumbent may be utilized by each unit to allow for training in the specific responsibilities of each unit and/or sub-unit. This continuous development program is an attempt to allow for the incumbent's advancement to any unit in the materials section.

A typical problem for the incumbent includes completing tests in a timely and accurate manner. The greatest challenge to this position is recognizing situations requiring corrective action and then recommending the corrective action to be taken.

Functions personally performed by the incumbent include sampling all types of materials utilized in highway construction; performing various laboratory tests related to Portland cement concrete mixture, bituminous mixtures, and soils and aggregate production; assisting the drilling technician on drill rig crews; and assisting with various tests performed in the casting of pre-stress concrete beams.

In accomplishing the objectives of this position, the incumbent operates within the following guidelines: American Association of State Highway and Transportation Officials (AASHTO), Bituminous Proportioning Manual, Portland Cement Concrete Manual, Aggregate Manual, and other Illinois Department of Transportation (IDOT) publications. Problems that cannot be resolved by the incumbent are referred to a supervisor for resolutions.

Internal contacts include other materials personnel, unit supervisors, and project personnel within the district. Outside contacts include manufacturing superintendents and personnel, local agency inspectors, and consulting engineers. Overtime, extensive travel within the district and occasional statewide travel is required.

(Job Responsibilities continued)

The incumbent will work outdoors in a variety of conditions including, but not limited to, production facilities, active construction sites and roads open to traffic. This position requires the ability to lift 60 pounds.

The effectiveness of this position is measured by the timeliness of inspection reports, knowledge of laboratory procedures, and personal development gained through exposure to the various sections of the bureau.

Principal Accountabilities

1. Performs adequate inspections including sampling and testing of material produced in the district.
2. Prepares all required documents and reports in a timely and accurate manner.
3. Maintains a working relationship with producers' and suppliers' personnel.
4. Uses field and laboratory test equipment properly.
5. Serves in capacities as directed by the materials engineer.
6. Performs duties in compliance with departmental safety rules. Performs all duties in a manner conducive to the fair and equitable treatment of all employees.
7. Performs other duties as assigned.

Qualifications

Position Requirements

- Education/Experience
    - Two years of college in civil engineering technology, pre-engineering or a job related technical/science curriculum OR

    - Two years of engineering experience
- Valid driver's license
- Ability to pass QC/QA classes as assigned
- Extensive travel within the district and occasional statewide travel
- Outdoor work in a variety of conditions including, but not limited to, production facilities, active construction sites and roads open to traffic
- Must be able to lift 60 pounds
- Ability to work overtime

Position Desirables

- Experience in preforming materials testing
- Strong oral and written communication skills

Work Hours: 7:00 AM - 3:30 PM Monday-Friday with possible night work and weekends
Work Location: 819 Depot Ave Dixon, IL 61021-3546
Office: Office of Highways Project Implementation/Region 2/District 2/Project Implementation
Agency Contact: DOT.CONTACTHR@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