

# Job Title: ENGINEERING TECH II - AGGREGATE INSPECTION TECHNICIAN - IPR#45555

**Agency :** Department of Transportation

**Closing Date/Time:** 06/05/2023

**Salary:** \$3,235 - \$5,690 Monthly

**Job Type:** Salaried Full Time

**County:** Effingham

**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](http://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 Aggregate Inspection Technician.

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 performs laboratory tests and inspections on aggregates used for district, county, local and other state agency transportation projects.

Annual samples taken:	500-1,000
Annual reports submitted:	500-1,000
Value of materials tested:	\$15,000,000 - \$25,000,000

This position reports to the Aggregate Inspection Supervisor as do the Senior Aggregate Inspection Technician and the Junior Aggregate Inspection Technician.

This technical position performs a variety of tests on aggregates sampled or purchased for use in district transportation projects or materials obtained for special investigations. Test results determine the acceptance or rejection of the material tested during the construction of projects. This position requires the ability to frequently lift 50 pounds and traverse a variety of terrain including, but not limited to, slopes, ladders, steps, rocks and mud. This position performs outdoor work in a variety of conditions including, but not limited to, active construction sites, aggregate quarries and pits, and roads open to traffic.

This position must possess the 3-Day Mixture Aggregate Technician and successfully obtain the 5-Day Aggregate Technician QC/QA training within 12 months of hire date.

Typical problems encountered include developing a knowledge of the different testing procedures and the range of typical results so anomalous results can be identified and their causes identified and corrected and organizing a large number of samples from multiple sources requiring multiple tests. The greatest challenge is performing the appropriate tests efficiently and accurately to accommodate construction and production schedules.

Functions performed by the incumbent include performing laboratory tests, calculating and reporting results, maintaining, repairing and calibrating laboratory test equipment, and maintaining a clean and organized lab environment. The incumbent is required to perform data entry into various computer programs including Excel spreadsheets. The incumbent may also temporarily assist with other tasks in the Materials Section as needed.

### **(Job Responsibilities continued)**

This position operates within the guidelines established in the department's Manual of Test Procedures for Materials and other applicable departmental guidelines. S/He works under the close supervision of the Aggregate Inspection Supervisor. Any questions which arise during the testing will also be directed to the Aggregate Inspection Supervisor.

The incumbent has internal contacts with the district Bureaus of Project Implementation and Operations, along with the central Bureau of Materials. Externally, s/he has contacts with suppliers, producers, county and local agencies to gather information. District-wide travel is required. Overtime is required during construction season.

The effectiveness of this position is determined based on the incumbent's ability to perform appropriate tests efficiently and accurately.

### **Principal Accountabilities**

1. Organizes aggregate samples and ensures testing is completed efficiently.
2. Performs materials tests to determine whether the product conforms to approved standards and/or determine properties of the product.
3. Reports test results and maintains complete and accurate materials test records.
4. Calibrates, maintains, and repairs laboratory testing equipment.
5. Performs data entry.
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:
  - Completion of two years of college in civil engineering technology, pre-engineering or a job related technical/science curriculum PLUS eighteen months of engineering experience; OR
  - Four years of engineering experience
- Possess Mixture Aggregate Technician (3-Day)
- Successfully obtain Aggregate Technician (5-Day) QC/QA training within 12 months of hire date
- Valid driver's license
- District-wide travel
- Overtime
- Ability to frequently lift 50 pounds and traverse a variety of terrain including, but not limited to, slopes, ladders, steps, rocks and mud
- Perform outdoor work in a variety of conditions including, but not limited to, active construction sites, aggregate quarries and pits, and roads open to traffic

### **Position Desirables**

- Working knowledge of math to include algebra
- Experience in transportation materials testing and use of laboratory testing equipment

**Work Hours:** 7:00 am - 3:30 pm Monday-Friday

**Work Location:** 400 W Wabash Ave Effingham, IL 62401-2670

**Office:** Office of Highways Project Implementation/Region 4/District 7/Project Implementation

**Agency Contact:** DOT.CONTACTHR@ILLINOIS.GOV

**Job Family:** Transportation; Science, Technology, Engineering & Mathematics

## **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](http://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](http://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](http://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](mailto:donotreply@SIL-P1.ns2cloud.com)
- [systems@SIL-P1.ns2cloud.com](mailto:systems@SIL-P1.ns2cloud.com)