

Job Title: ENGINEERING TECH V - QUALITY ASSURANCE SUPERVISOR - IPR#44997

Agency: Department of Transportation

Closing Date/Time: 08/02/2021

Salary: \$5,120 - \$9,155 Monthly

Job Type: Salaried Full Time

County: Effingham

Number of Vacancies: 1

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. A copy of each completion certificate for the Mixture Aggregate Technician, HMA Level I and HMA Level II QC/QA trainings must accompany application for this position. Please visit <https://idot.illinois.gov/about-idot/employment-opportunities/employment/index> to download the Technical Application PM1080.

Please indicate IPR#44997 on the Technical Application PM1080.

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

Agency Mission Statement

The Illinois Department of Transportation is seeking to hire a Quality Assurance Supervisor.

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 trains and supervises technical personnel responsible for the quality of all hot mix asphalt (HMA) and related mixtures, trains and certifies all department nuclear inspectors, and engages in random sampling and testing of materials incorporated in HMA mixtures.

This position reports to the Mixtures Control Engineer. Reporting to this position is the Hot Mix Asphalt Supervisor.

This position is responsible for the quality of bituminous mixtures and for the training, certifying, and supervising of nuclear inspectors. Quality of mixtures is achieved by surveying plant facilities, by calibrating mixture components, by ensuring use of quality aggregates, and by inspecting, sampling, and testing of the materials. Competent nuclear inspectors must provide precise and timely data to maintain quality products and avoid costly construction delays.

Typical problems of the position involve ensuring the HMA used in construction and maintenance projects conform to the design and specification requirements for quality and density. Major

challenges will be resolving problems with contractors and owners to get cooperation in producing acceptable HMA that meets the volumetrics and density requirements.

The incumbent has the authority to accept or reject bituminous mixtures which do not meet specifications, approve plant equipment, calibrate scales, establish rolling patterns, oversee all density testing, and take investigative cores where problems are encountered.

The incumbent accomplishes his/her accountabilities with the assistance of the following subordinate staff:

Hot Mix Asphalt Supervisor – who is accountable for ensuring HMA and related materials products are acceptable for use on state and local highway improvement projects.

(Job Responsibilities continued)

Direct contacts with the department are primarily with the district Bureau of Project Implementation Construction Section and Bureau of Local Roads and Streets, the central Bureau of Materials and other districts concerning mixtures proportioning, design and nuclear testing. Contacts with the district Construction Section also involve problems in placement or special handling which may be desirable. Direct contacts outside the department are with consultants, producers, contractors, city engineers, county engineers and their personnel, and other governmental agencies concerning mixtures inspections, proportioning, design, and nuclear testing. Extensive district-wide travel is required. The incumbent is evaluated according to the quality and quantity of bituminous products produced, the accurate and timely completion of tests and reports produced by subordinates, accuracy and acceptability of bituminous mix designs, and ability to work with contractors and construction personnel.

Principal Accountabilities

1. Assures proper quality assurance and independent assurance record sampling frequencies for
2. Quality Control/Quality Assurance projects as required by the Project Procedures Guide, Standard Specifications, and Special Provisions. Helps construction personnel set up Pay for Performance and Quality Control for Performance testing frequencies and final pay factor calculations.
3. Schedules, trains, certifies, and motivates nuclear density inspectors and bituminous proportioning inspectors.
4. As District Radiation Safety Officer, assists the nuclear gauge inspectors on problems encountered during the performance of their duties. Maintains current calibration schedule of all nuclear gauges and ensures all gauges are within acceptable calibration limits.
5. Resolves mixture problems during construction and keeps supervisors informed of hot mix asphalt production status and potential problem areas.
6. Reviews and verifies accuracy of proportioning and nuclear test reports.
7. Creates Materials Integrated System for Test Information and Communication (MISTIC) entries and LM-6 forms for Asphalt Cement, release agents, and longitudinal joint sealant.
8. Evaluates and motivates subordinates to ensure a well-developed staff.
9. Administers the MISTIC Workbook for HMA and process reports. Works with contract support to ensure quantities are reported to assist in the finalization of contracts.
10. Administers and enforces department safety policies, particularly the handling of radioactive equipment.
11. Performs duties in compliance with departmental safety rules. Performs all duties in a manner conducive to the fair and equitable treatment of all employees.
12. 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 plus six years of engineering experience OR

- Eight years of engineering experience
- Possess Mixture Aggregate Technician, HMA Level I, and HMA Level II QC/QA training
- Possess or successfully obtain HMA Level III QC/QA training within 12 months of hire date
- Valid driver's license
- District-wide travel

Position Desirables

- Extensive knowledge of hot mix asphalt production methods, various problems associated with asphalt production and lay down, and the testing involved for volumetric and density parameters.
- Supervisory experience
- Extensive organizational skills
- Ability to develop and maintain cooperative relationships with departmental staff
- Good oral and written communication skills

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

Work Location: Effingham - 400 W Wabash Ave

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

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.