



**Engineering Technician I (4 positions)
Materials Technician**

Becky Koehler

IPR Number:	44682	Union Position:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Position Number:	PW011-23-52-203-21-01	Shift:	8:00 am – 4:30 pm Monday – Friday
Opening Date:	October 1, 2020		
Closing Date:	October 30, 2020	Salary:	\$2,695 – \$4,735 *

Office/Central Bureau/District/Work Address:

Office of Highways Project Implementation / Bureau of Project Implementation / Region 2 / District 2 / 819 Depot Ave., Dixon, IL

Position Purpose:

This position is accountable for performing inspection, sampling, testing, and reporting for various construction materials originating in the district.

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

Position Desirables:

- Working knowledge of math to include trigonometry

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.

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

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.

Applicants may submit college transcripts for completed coursework.

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 qualifications and experience relative to the posted title as well as internal equity of staff in the organizational unit.

**ILLINOIS DEPARTMENT OF TRANSPORTATION
POSITION DESCRIPTION**

DATE:	August 1, 2019	WORKING TITLE:	Materials Technician
POSITION CLASSIFICATION:	Engineering Technician I	OFFICE/BUREAU:	OHPI/Project Implementation
POSITION NUMBER:	PW011-23-52-203-21-01	REGION/DISTRICT:	Region Two/District Two

Position Purpose

This position is accountable for performing inspection, sampling, testing, and reporting for various construction materials originating in the district.

Dimensions

Graphic Region:	2 - 5 County Area
Annual Value of Materials Inspected:	\$7 Million
Number of Mixture Plants:	25 - 30
Number of Aggregate Plants:	20 - 40
Number of Laboratory Samples:	Physical Test - 600

Nature and Scope

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 Physical Tests Unit or one of the other functional units in the Materials Section which include Mixtures Control and 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.

Materials Technician
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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.

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.

Subordinates of this position

Position Classification	Position Number	Working Title	Authorized Identical
N/A			

Supervisor of this position

Immediate Supervisor Position Classification: Engineering Technician IV
 Working Title: Area QC/QA Bituminous Mixtures Technician
 Position Number: PW014-23-52-203-21-01

Position Requirements

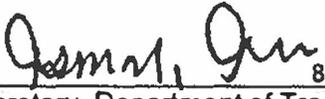
- Education/Experience
 - Completion of two years of college in civil engineering technology, pre-engineering or a job related technical/science curriculum; OR
 - Two years of engineering experience.

Position Desirables

- Working knowledge of math to include trigonometry

Agency Approvals


 Bureau Chief of Personnel Management


 Secretary, Department of Transportation