



Illinois Department of Transportation

Memorandum

To: DEPUTY SECRETARIES, DIRECTORS AND BUREAU CHIEFS
From: Dianna L. Taylor
Bureau Chief of Personnel Management
Subject: Technical Vacancy
Date: July 5, 2017

Attached are the Position Summary Sheet and Position Description for the vacant technical position listed below. Please post this vacancy announcement July 10, 2017 in the designated areas.

The deadline for applicants to submit their names for consideration is **4:30 p.m.** on **Friday, July 21, 2017**. Applicants will not be accepted after that time and date.

NOTE: Official college transcripts or an Engineer Intern License in the State of Illinois must be included with the application. Applicants not submitting these documents by the posting deadline will not be considered. Please be advised that if a high volume of applications are 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.

All applicants will receive a position description for the position they are applying for. If you have any questions, please contact the Bureau of Personnel Management at 217/782-5594.

CE III Safety Programs Evaluation Services Engineer
Bureau of Safety Programs & Engineering
Office of Program Development
Springfield

Attachments
42056

***IDOT considers official college transcripts to be original embossed transcripts in a sealed envelope from the university/college or in PDF format sent from the university/college directly to the Bureau of Personnel Management.**

Technical Applications [PM1080 rev 6/1/17](#)****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 **Friday, July 21, 2017**, 4:30 p.m. Please include address, daytime phone and position for which applying if not already listed on application. Applicants will be notified in writing to schedule interviews.

NOTE: Official college transcripts or an Engineer Intern License in the State of Illinois must be included with the application. Applicants not submitting these documents by the posting deadline will not be considered. Please be advised that if a high volume of applications are 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.



**Illinois Department
of Transportation**

An Equal Opportunity Employer

Position Summary Sheet

Classification:	Civil Engineer III	Salary:	\$5,320 - \$7,160
Position Title:	Safety Programs Evaluation Services Engineer	Union Position:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Position Number:	PW113-23-65-803-10-01	IPR#:	42056

Office/Central Bureau/District/Work Address:

Office of Program Development / Bureau of Safety Programs & Engineering / 2300 S. Dirksen Parkway, Springfield, IL

Description Of Duties:

This position is responsible for reviewing crash data to identify patterns with specific roadway designs and assisting in developing mitigating measures; performing crash trend analysis to assist district staff in identifying engineering opportunities for reducing fatal and severe injury crashes in relation to state highway projects; and assisting in the investigative research and development needed in preparation of highway safety policy revisions and development.

Special Qualifications:

Required:

- Four-year engineering degree from an ABET accredited college or Engineer Intern License in the State of Illinois
- Valid driver's license
- Occasional in-state and out-of-state travel which may require overnight stays

Desired:

- Four years of experience in the practice of civil engineering of which at least one year should be in highway safety
- Working knowledge of modern methods and techniques as related to safety analysis and engineering design practices
- Ability to conduct engineering research and provide recommendations for implementation of procedures and policies relative to highway safety needs
- Strong oral and/or written communication skills

Shift/Remarks:

8:00 am – 4:30 pm / Monday – Friday

*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.

**Technical Application PM1080 was revised 6/1/17. The previous application form, revised 9/9/16, will be accepted until close of business 7/31/2017. Applications received on 8/1/17 or after must be on the revised form.

**ILLINOIS DEPARTMENT OF TRANSPORTATION
POSITION DESCRIPTION**

DATE:	May 1, 2017	POSITION:	Safety Programs Evaluation Services Engineer
APPROVED BY:	<u>Paul Lorton</u>	OFFICE/DIVISION:	Office of Program Development / Bureau of Safety Programs & Engineering
CODE:	PW113-23-65-803-10-01	REPORTS TO:	Highway Safety Programs Unit Chief

Position Purpose

This position is accountable for reviewing crash data to identify patterns with specific roadway designs and assists in developing mitigating measures. This position performs crash trend analysis to assist district staff in identifying engineering opportunities for reducing fatal and severe injury crashes in relation to state highway projects. S/He is responsible for assisting in the investigative research and development needed in the preparation of highway safety policy revisions and development.

Dimensions

Programs:	Crash analysis, work zone and highway-railroad grade crossing safety, clear zones, safety audits
Construction Projects:	\$1.3 Billion Annually
Training:	1-2 Annually

Nature and Scope

This position reports to the Highway Safety Programs Unit Chief. There are no subordinates reporting to this position.

This position operates in an environment of developing and applying the skills to perform crash trend analyses, policy and procedure research concerning work zone and highway-railroad grade crossing safety items in order to assist in making recommendations to revise or develop new policies. The incumbent is also responsible for being current on innovative safety analysis techniques and software, and engineering design practices.

Typical problems in this position involve the continual analysis of crash data to identify potential safety issues and state-wide trends. In addition, in-house and industry recommendations for new and/or revised policies must be reviewed with the objective of determining applicability to Departmental interest and goals. The greatest challenge of this position is to identify areas for safety improvements to reduce the fatalities and serious injuries on Illinois roadways.

The incumbent is personally responsible, under general supervision, for preparing technical correspondence and reports on safety engineering issues along with on-site reviews on an as-needed basis. The incumbent assists with recommendations to changes/revisions to the standards, procedures and policies relative to highway safety needs. S/He may consult with district personnel to assist them in identifying engineering opportunities for reducing crashes in relation to state highway projects, policy development units in the Bureau of Design and Environment, other central bureaus, other states and FHWA to ensure that proposed policies are uniform.

The incumbent is given some latitude to act independently when performing the responsibilities assigned to this position. S/He must refer complex problems to his/her superior for resolution. The incumbent is guided by State and Federal policies and by the rules and regulations of the Department.

The incumbent's regular contacts within the Department involve the other central bureaus in the Office of Program Development and the district offices. In addition, contacts are frequently made with the FHWA, and with other state highway agencies and research consultants. S/He may be required to travel within the state for district meetings, technical training, on-site reviews and occasionally outside the state for technical meetings.

The effectiveness of the position is measured by the ability of the incumbent to develop timely and effective crash analyses, procedure and policy recommendations which result in safe, cost-effective traffic operations. The effectiveness can also be measured by the incumbent's ability to innovate and recommend new concepts in development of solutions for crash patterns regarding work zones and highway-railroad grade crossings.

Principal Accountabilities

1. Assists in evaluation of state-of-the-practice published research on state-of-the-art roadside appurtenances.
2. Reviews crash data to identify patterns regarding work zones and highway-railroad grade crossings and assists in developing mitigating measures.
3. This position performs crash trend analyses to assist district staff in identifying engineering opportunities for reducing fatal and severe injury crashes in relation to state highway projects.
4. Assists in the investigative research and development needed in the preparation of highway safety policy revisions and development.
5. Prepares technical correspondence and reports of safety issues, under general supervision.
6. Performs on-site reviews on an as-needed basis, under general supervision.
7. Consults with district personnel to assist them in identifying potential projects for the multiyear plan, policy development units in the Bureau of Design and Environment, other central bureaus, other states and FHWA to ensure that proposed policies are uniform.
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 required or assigned.