Job Title: CIVIL ENGINEER V - ARTERIAL TRAFFIC FIELD ENGINEER - IPR#45562

Agency: Department of Transportation
Closing Date/Time: 07/25/2022
Salary: $6,445 - $10,210 Monthly
Job Type: Salaried Full Time
County: Cook
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 SuccessFactors. Applications submitted via email or any paper manner (mail, fax, hand delivery) will not be considered.

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

Agency Mission Statement
The Illinois Department of Transportation is seeking to hire an Arterial Traffic Field Engineer.

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 is accountable for improving the safety and efficiency of the traffic flow on the district highways by directing and coordinating those activities related to the installation and continuous evaluation of traffic control devices, and the investigation and development of solutions to pedestrian safety, parking, and other operational problems that occur.

Subordinate Personnel: 12 Direct
Centerline Miles: 2,930
Communities Served: 260
Value of Signs: $30M
Number of Signs: 300,000

This position reports to the Arterial Traffic Operations Engineer. Reporting to this position are the Area Traffic Field Engineers, the Pedestrian Safety and Parking Studies Engineer, the Area Traffic Field Technicians, and the Data Collection Specialists.

This position functions in a transitional area characterized by intense urban development in the environment with and immediately abutting the city of Chicago, the rapidly changing land use that characterizes the central portions of the Metropolitan Area, and the suburban and rural areas of the district’s western areas, all of which pose a wide variety of engineering and technical problems in responding rapidly and effectively to traffic operational problems that arise. Traffic volumes amount to thirty-five billion vehicle miles traveled annually on the ten thousand lane
miles of district highways, which creates a situation where any traffic disruption can soon reach disastrous proportion and demands almost immediate and intelligent response time. The tremendous traffic volumes on the district highways make them highly visible and results in continuous political, media, and public attention; and requires a high level of sensitivity to such circumstances and the ability to diplomatically negotiate acceptable solutions to traffic operational problems and effectively coordinate and direct the installation, operation and maintenance of pavement marking and signing traffic control devices. This is further complicated by close intersection spacing and declining availability of right-of-way, which requires more efficient utilization of the existing lanes because of the inability to expand the physical capacity of the highways and requires continuous application of the principles and practices of traffic engineering covering geometric design, capacity analysis, canalization, pavement marking and signing; and the ability to establish procedures and train subordinate personnel to respond promptly and knowledgeably to traffic operational problems as they occur.

(Job Responsibilities continued)
Typical problems confronting this position include: ensuring the application of appropriate design criteria to traffic control devices included in proposed highway improvements; determining the proper applicability of traffic control devices and traffic engineering techniques to existing conditions; developing solutions to districtwide traffic control problems, including parking and pedestrian safety, ensuring that traffic control installations are properly inspected and operative prior to final acceptance; providing the scheduling and assignment of subordinate personnel to accommodate unbalanced workloads or unique activities in a particular area of the district; resolving problems associated with contract special provisions on low cost traffic improvement contracts. The greatest challenge to this position is ensuring effective operation of signing and pavement marking traffic control devices on the district highways, and to develop the capability for prompt and effective response to traffic operational problems as they occur.

The incumbent personally schedules and assigns work, and establishes the priority in which work will be done; approves all work orders for changes, additions or deletions in signing or pavement marking traffic control devices on state highways; participates in the design, plan review, or plan preparation of traffic control devices so as to ensure their operating feasibility; implements internal procedures designed to ensure prompt and effective response to traffic problems; and meets with local officials to explain state policies regarding traffic control devices and to develop acceptable solutions to traffic operational problems including parking and pedestrian safety which require coordinated state and local action. The incumbent provides for the continuous technical development of the subordinates so as to ensure their competency to apply the principles of traffic engineering problems as they arise. Incumbent prepares or reviews all unit correspondence on behalf of the Arterial Traffic Operations Engineer, the District Traffic Engineer or the Region Engineer.

The incumbent accomplishes his/her responsibilities through the following staff:
- **Area Traffic Field Engineer**: is responsible for investigating traffic operational problems and initiating work orders for all changes in traffic control devices.
- **Pedestrian Safety and Parking Studies Engineer**: is responsible for developing solutions to pedestrian and school crossing safety, parking problems and district wide traffic operation problems. This individual also processes applications for Parent/Guardian reimbursement and services Safety Hazard findings.
- **Area Traffic Field Technician**: is responsible for investigating traffic operational problems and initiating work orders for all changes in traffic control devices.
- **Data Collection Specialist**: is responsible for the data collection of vehicle and pedestrian counts.

(Job Responsibilities continued)
The incumbent has the authority to make and implement all decisions affecting changes in traffic control on state highways within the guidelines established by state statutes and standards.

The most significant contacts outside the department occur on a daily basis as the incumbent responds to requests for changes and improvements in traffic control devices. Within the department, the incumbent consults with other units in the Bureau of Traffic to solve mutual traffic control problems. Incumbent also is required to maintain liaison with the Bureaus of Construction and Design on final traffic operational aspects of construction projects.

The effectiveness of this position can be measured by significant improvements in traffic flow and safety for both pedestrian and vehicular traffic by providing a uniform and well-maintained system of traffic control devices.

**Principal Accountabilities**
1. Organizes, directs, and coordinates those activities related to providing motorists with sufficient and effective guidance and control to permit safe and efficient traffic flow.
2. Provides for the continued effective operation of traffic control devices through appropriate inspection and application of standards.
3. Implements new traffic control techniques.
4. Provides for the prompt and effective response to public requests for solutions to traffic operational problems.
5. Ensures consistent and effective solutions to common districtwide traffic operations problems.
6. Ensures effective solutions to pedestrian safety and parking problems.
7. Provides proper coordination with local officials in the solution of joint traffic operational problems.
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 assigned.

Qualifications
Position Requirements
- Education/Experience
  - Current registration as a licensed Professional Engineer in the state of Illinois
  - Five years of experience in traffic engineering
- Districtwide travel and occasional state-wide travel which may require overnight stays
- Occasional overtime during evenings and weekends
- Ability to work outdoor and traverse uneven terrain
- Valid driver’s license

Position Desirables
- Knowledge and understanding of the Manual of Uniform Traffic Control Devices (MUTCD)
- Familiarity with the Illinois Vehicle Code
- Ability to plan, organize and establish priorities
- Strong oral and written communication skills, experience with public speaking and dealing with the media

Work Hours: 8:00 AM - 4:15 PM Monday-Friday (45-minute lunch)
Work Location: 201 Center Ct Schaumburg, IL 60196-3169
Office: Office of Highways Project Implementation/Region 1/District 1/Traffic
Agency Contact: DOT.CO.BPM.EmploymentApplications@Illinois.gov
Job Function: 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 work.illinois.gov homepage in the blue ribbon.
Non-State employees should log in on the using the “View Profile” link in the top right of the work.illinois.gov 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 [KS(1) and review the Internal Candidate Application Job Aid HERE [KS(2]
Non-State employees: on work.illinois.gov – click “Application Procedures” in the footer of every page of the website.