



NEW JERSEY DEPARTMENT OF TRANSPORTATION
Public Posting

POSTING #: 19-00030

TITLE: Engineer Trainee, Transportation (Civil)

ISSUE DATE: 1/17/2019

TITLE CODE: 16270

CLOSING DATE: 2/28/2019

DIVISION: Planning, Multimodal and Grants Administration

LOCATION: Ewing

UNIT: Statewide Planning

SALARY: \$55,420.53

The New Jersey Department of Transportation (NJDOT) is seeking applications for candidates for the position of **Engineer Trainee Transportation (ETT)** within the Division of Planning, Multimodal & Grants Administration. Engineer Trainees are assigned a 40 - hour work week. Current starting salary is \$55,420 and \$57,557 after six months. As a NJ State Department, NJDOT offers a comprehensive benefits package including Health Care (medical, prescription drug, dental and vision care), Pension, Deferred Compensation, 12 paid holidays, and Benefit Leave (12 vacation days, 15 sick days and 3 administrative days). Standard workweek is Monday through Friday.

This posting is recruiting for positions in only Statewide Planning. If you are found to be eligible for this position, a Preference Form will be provided to you in which you must specify which units you are interested in being considered for.

Work experience within this unit WILL NOT qualify as approved Design Experience for the issuance of a NJ PE License.

DESCRIPTION

The Safety, Bicycle & Pedestrian Programs in the Division of Statewide Planning is responsible for managing New Jersey's Highway Safety Improvement Program (HSIP). The goal of the program is to achieve a significant reduction in traffic fatalities and serious injuries on all public roads, including non - State – owned public roads. Safety Programs is also responsible for providing support with crash analysis and statistical data for internal and external customers. In addition, Safety Programs provides subject matter expertise for various projects in the State's Capital Program.

The EET in this position will be responsible for assisting with a combination of the tasks listed below.

Safety Analysis

Analyze crash data; prepare crash summaries; perform design exception crash analysis for capital projects; prepare cost analysis; and perform Highway Safety Manual analysis.

Safety Program Development, Implementation

Perform the screening, scoping and development of safety projects, carrying out the various steps required to take identified locations through the steps of discovery, crash analysis and selection of appropriate countermeasures; prepare crash diagrams for the identified location and collaborate with relevant stakeholders and field team members to develop crash countermeasures; conduct field visits at all candidate safety locations on the state highway system to ensure that proactive and reactive crash countermeasures are considered.

Local Programs Support and Design Assistance Program

In New Jersey, local roadways are eligible for HSIP improvements through application with the respective Metropolitan Planning Organizations. After analyzing the distribution of severe crashes, it was determined that approximately 57% of the crashes occurred on local roadways. Tasks associated with this function include participating in local road safety audits and helping in the review of local road safety audits and helping in the review of local safety project applications.

Post Analysis of Effectiveness of Projects and Programs

Perform before & after study for a project to calculate the effectiveness of the implemented countermeasures and help perform program evaluation.

Annual Reporting of HSIP

Safety Programs section is responsible for submitting an annual safety report. In this report, BTDS has to report on five performance measures namely the fatality rate, serious injury rates and number of non - motorized fatalities and serious injuries using a five year rolling average, set targets for the following future year based on the previous five year rolling average, and provide the details of all the projects funded under the HSIP program.

REQUIREMENTS

Graduation from an accredited college or university with a Bachelor's Degree in **Civil Engineering**.

Note: Possession of a valid Professional Engineer's License issued by the New Jersey State Board of Professional Engineers and Land Surveyors may be substituted for the Bachelor's degree in Engineering.

Note: An Engineer - In - Training (EIT) certification issued by the Division of Consumer Affairs, New Jersey Office of the Attorney General may be substituted for the above education requirement. Applicants must submit proof of the EIT certification and the Fundamentals of Engineering (FE) exam results. The area of discipline indicated on the FE exam results (e.g., Civil, Electrical and Computers, Chemical, Industrial and Systems, Environmental, Mechanical, and Other Disciplines) must be appropriate to the position.

For more information regarding this position, please refer to: <http://info.csc.state.nj.us/jobspec/16270.htm>

License: Appointee will be required to possess a Driver's License valid in New Jersey.

Work Authorization: Applicants must be authorized to work in the United States according to the Department of Homeland Security, United States Citizenship and Immigration Services regulations. NJDOT does not provide sponsorship or accept student OPT/CPT programs, F1 or H1B work authorization visas.

Residency: All persons hired on or after September 1, 2011 have one year from the date of appointment to establish, and then maintain, principal residence in the State of New Jersey subject to the provisions of N.J.S.A. 52:14 - 7 (P.L. 2011, c. 70), also known as the "New Jersey First Act."

TO APPLY

You must apply through the NJDOT website at: <https://www.state.nj.us/transportation/about/employ/openings.shtm>

Submit a complete packet by the closing date that includes the following documents:

- NJ State Application for Employment (Application and instructions can be found at link above)
- Letter of interest
- Current resume
- Copy of unofficial transcript OR foreign degree evaluation that verifies degree in Civil Engineering was awarded

NJDOT Employees: Submit a letter of interest and current resume **only** by closing date to DOT.NJDOTJOBS@dot.nj.gov.

IMPORTANT NOTES

Applying to Multiple Positions: If applying to multiple opportunities, only **ONE** application packet need be submitted. In your letter of interest, include a list of all the posting numbers you are interested in (example: 19 - 00031, 19 - 0032, 19 - 00040).

Once we review your application, if you are found to be eligible for this position, we will provide you with a Preference Form so that you can specify which specific units within each Division you would like to be considered for. The Preference Form will serve as the official record of which positions NJDOT will consider you for.

Proof of Degree: You must provide transcript or evaluation of your **UNDERGRADUATE** degree. Foreign degree evaluation must be evaluated by a USA recognized evaluation service and include your course - by - course evaluation.

Incomplete Packets: Applicants MAY NOT be considered if they fail to provide all requested documents upon initial submittal or fail to follow instructions when submitting electronically. Applicants will be selected for an interview on the basis of their application/resume.

Anticipated Graduation: NJDOT will accept applications from students anticipating graduation in May 2019. No offer of employment will be made without proof of degree.

Current State employees: Any appointments made that involve movement may result in a forfeiture of rights to any promotional lists in their former unit.