



NEW JERSEY DEPARTMENT OF TRANSPORTATION
Temporary Employee Services

POSTING #: 22-00395

TITLE: Temporary Employee Services (TES)- Geotechnical Engineering

ISSUE DATE: 12/23/2022

TITLE CODE:

CLOSING DATE: 1/31/2023

DIVISION: Capital Program Management

LOCATION: Ewing

UNIT: Bridge Engineering & Infrastructure Management

SALARY: \$22 per hour

POSITION: 2

The New Jersey Department of Transportation (NJDOT) is seeking currently enrolled college students who are interested in hourly employment opportunities this upcoming summer.

As the State's Department of Transportation, the NJDOT plans, designs, builds, and maintains New Jersey's transportation network. The Department is now offering hourly positions that will allow students to work on an hourly basis in the summer of 2023 (between May and August). Hours of work will be determined by the hiring unit, but will not exceed 40 hours per week. It should be noted that the position does not offer a benefits package.

Division Description:

The Division of Bridge Engineering & Infrastructure Management plans, organizes, oversees, and implements the various work programs in the offices of Structural Design & Geotechnical Engineering, Structural Evaluation & Bridge Management, and Structural & Railroad Engineering Services. This Division is also responsible for implementing and maintaining comprehensive management systems to preserve and improve the transportation infrastructure of New Jersey's highway network. These management systems include bridge, geotechnical and highway railroad crossings. In addition, this Division is responsible for the safety inspection of all bridges, railroad crossings, state - owned sign structures, minor bridges, culverts, dams, and tunnels in New Jersey.

Unit Description:

The Geotechnical Engineering staff performs and approves geotechnical engineering designs for foundations for highway related structures such as bridges, sign structures, culverts, retaining walls and noise walls. This unit also provides design and review of new roadway foundations, embankments and cuts. In addition, this unit prepares technical specifications, engineering estimates and construction schedules for the geotechnical work. They evaluate and implement new geotechnical engineering technology. Construction and Maintenance Operations are supported by providing general geotechnical guidance, approving pile driving hammer systems, reviewing test data from piles, drilled shafts, micro - piles, soil nails, embankment geotechnical instrumentation and then recommending production order lengths or criteria to Resident Engineers.

Position Description:

- Review and learn to make recommendations to in - house and consultant soil and rock laboratory testing programs required for the design of highway structures
- Learn how to create a soil profile at a structure
- Review construction plans, specifications, engineer estimates and construction schedules at the various stages of project completion with regard to the geotechnical engineering aspects of projects and learn what should be shown on the contract documents as well as constructability issues
- Review drilled shaft Crosshole Sonic Logging test results, Tomography results, Bi - Directional Load Cell results and coring results for the proposed drilled shaft foundations and learn what recommendations are to be made to the contractor for production shafts
- Learn how to investigate and make recommendations for Geotechnical related issues arising during construction
- Learn some of the NJDOT Standard Specifications and NJDOT Design Standards that apply to Geotechnical Engineering

Preferred Qualities/Experience:

- Third year student pursuing a degree in Geotechnical Engineering
- Proficient in Microsoft Office applications
- Familiarity with Soil Testing in Laboratory

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 program, F1 or H1B work authorization visas.

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 instructions can be found at link above)
- Letter of interest
- Current resume
- Copy of unofficial transcript OR foreign degree evaluation
- Letter of recommendation from a previous employer or college professor

IMPORTANT NOTES

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.

Current NJDOT employees are not eligible for this opportunity.

NJDOT provides reasonable accommodations to applicants with disabilities where appropriate. If you need a reasonable accommodation for any part of the application and hiring process, please email dot - hr.ada@dot.nj.gov. Determinations on requests for reasonable accommodation will be made on a case - by - case basis.

New Jersey Is An Equal Opportunity Employer