



NEW JERSEY DEPARTMENT OF TRANSPORTATION
Public Posting

POSTING #: 25-00130

TITLE: Engineering Technician Apprentice

ISSUE DATE: 5/12/2025

TITLE CODE: 10119

CLOSING DATE: 6/2/2025

DIVISION: Capital Program Management

LOCATION: Ewing

UNIT: Pavement & Drainage Management and Technology

RANGE: A13

SALARY: \$43,620.21-\$49,445.58

WORK WEEK: 40 Hours

The New Jersey Department of Transportation (NJDOT) is accepting applications for candidates interested in the position of **Engineering Technician Apprentice** within the Division of Capital Program Management, Highway Design, Pavement & Drainage Management & Technology.

Engineering Technician Apprentices are assigned a 40 - hour work week.

Current starting salary is between \$43,260 and \$49,445, based on experience.

Upon successful completion of the twenty - four (24) month apprenticeship program, appointees will be eligible for advancement to the title of Engineering Technician 1.

Office Description:

The Pavement Management Unit is dedicated to enhancing the State - maintained pavement network through innovative, data - driven strategies. Our mission is to manage NJDOT's pavement assets effectively and economically, in harmony with both DOT and National Asset Management initiatives. Our core responsibilities include:

- Developing and maintaining the Department's advanced Pavement Management System.
- Conducting annual assessments of pavement conditions across the State - maintained highway network, including comprehensive analyses of raw data to assess pavement health.
- Evaluating ride quality on newly constructed pavements with detailed analyses to ensure construction quality for optimal performance.
- Performing rigorous skid testing and analyzing raw data to uphold safety standards.
- Forecasting pavement network conditions under various funding scenarios to support Asset Management and Capital Investment Strategy (CIS) planning.
- Prioritizing capital projects related to pavement improvement to maximize investment impact.
- Compiling the annual pavement report for submission to the Governor and Legislature, highlighting key findings and recommendations.
- Providing annual pavement condition data to the Federal Highway Administration (FHWA) to ensure compliance and support national infrastructure goals.
- Prioritizing pavement capital projects
- Providing predicted pavement network condition levels under various funding scenarios for Asset Management and Capital Investment Strategy (CIS) purposes
- Preparing the annual pavement report for submission to the Governor and Legislature
- Submitting annual pavement condition data to the FHWA

Job Description:

1. Assist in performing field - testing of pavement condition data acquisition in accordance with the State Highway System Network Testing Schedule, Ride Quality QA testing and any special testing requests.
2. Assist in performing field testing of the Frictional Resistance data in accordance with the Skid Testing Schedule. Assist in setting up properly and execution of tests to maintain consistency and reliability of data.
3. Assist in storage and identification of field collected raw data, charts/disks/drives.
4. Assist in performing necessary calibration, verification, and correlation of all Testing equipment used by the Pavement Management Unit for the data collection.
5. Assist in ensuring all testing equipment used by the Pavement Management Unit is maintained and functioning accurately.
6. Learn to utilize programs and software applications that are needed to maintain records and files produced by the Pavement Management testing equipment including Access, Excel and any other program needed for Pavement Management data collection, recording and processing.
7. Assist in pavement data quality reviews to ensure accuracy, integrity and completeness of all collected data.

REQUIREMENTS

High school diploma and satisfactory completion of high school level courses in basic mathematics which shall have included completion of courses in Geometry and Algebra levels 1 and 2.

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

Additional Job Requirements:

This field position involves collecting pavement data using a full - size van or pickup truck equipped with a trailer that has sensors to automatically gather pavement data at highway speeds. This role requires driving over extended distances, necessitating proficiency in maneuvering and accurately backing up these vehicles.

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 program, F1 or H1B work authorization visas.

Residency: All persons newly hired on or after September 1, 2011 have one year from the date of employment 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 (L.2011, Chapter 70), also known as the "New Jersey First Act."

BENEFITS

As a NJ State Department, NJDOT offers a comprehensive benefits package including:

- Health Care (medical, prescription drug, dental & vision care)
- Pension
- Deferred Compensation
- 13 paid holidays
- Benefit Leave (12 vacation days, 15 sick days and 3 administrative days)
- Training & Tuition Aid Opportunities

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 High School Transcript to verify completion of Geometry, Algebra 1 and Algebra 2 courses

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

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.

SAME APPLICANTS: If you are under the NJ "SAME" program, your supporting documents (Schedule A or B letter), must be submitted along with your resume by closing date indicated above. For more information on the SAME Program visit their Website at: <https://nj.gov/csc/same/overview/index.shtml> , email: SAME@csc.nj.gov , or call CSC 609 - 292 - 4144, option 3.

New Jersey Is An Equal Opportunity Employer