



**NEW JERSEY DEPARTMENT OF TRANSPORTATION**  
**Public Posting**

**POSTING #:** 25-00140

**TITLE:** Engineer Trainee, Transportation (Electrical)

**ISSUE DATE:** 5/23/2025

**TITLE CODE:** 16270

**CLOSING DATE:** 6/13/2025

**DIVISION:** Operations

**LOCATION:** Cherry Hill and Ewing

**UNIT:** Operations Support & Transportation Mobility

**RANGE:** P95

**SALARY:** \$64,261.62-\$66,739.26

**WORK WEEK:** 40

**Bachelor's Degree in Electrical Engineering Required to Apply**

**The New Jersey Department of Transportation (NJDOT) is seeking applications for candidates for the position of Engineer Trainee Transportation (ETT), Electrical.** Engineer Trainees are assigned a 40 - hour work week. Current starting salary is \$64,264 and \$66,7398 after six months. Standard workweek is Monday through Friday.

The Department of Transportation (DOT) currently offers a telework pilot program, and this position may qualify for up to 2 days of remote work at your primary residence outside of your assigned DOT work location. This program does not supersede the "New Jersey First Act", which requires newly hired NJDOT employees to establish, and then maintain, principal residence in the State of New Jersey.

**Operations Support (Ewing)**

The Division of Operation Support serves as the dynamic backbone of our NJDOT Maintenance infrastructure initiatives, orchestrating every aspect of maintenance engineering planning and maintenance construction valued at over \$300M per year. From crafting contract plans and specifications, to analyzing bid pricing and consultant agreements to manage statewide maintenance construction contracts, our team, ensures that our projects keep New Jersey's roadway signs, bridges, tunnels, electrical assets, and drainage in a state of good repair.

**Electrical Administration:**

Imagine the opportunity to accomplish the execution in modernizing our High Intensity Discharge (HID) Lighting load centers (+1,200) to energy efficient LED fixtures. Create opportunities to lessen the reliance and dependence on the antiquated power grid by installing stand - alone solar applications which would lessen our carbon footprint and lead New Jersey towards being carbon neutral. In addition, as support to our Regional Operations teams, we assist in design aspects for fast paced emergency repairs when needed. Dive into the heart of NJDOT's maintenance operations and engineering with us, where you'll play a pivotal role in improving lives by improving transportation.

## **Transportation Mobility** (Ewing and Cherry Hill)

The Division of Transportation Mobility is the home for coolest roadway technology. Want to learn how fiber optic cable sends information at the of light? What about designing electronic message signs that say •SLOW DOWN, BAD DRIVERS AHEAD•? Or how cars can talk to each other and what they're saying? Mobility's team of engineers develop new and innovative ways to get people where they're going safely. Want to be a part of an amazing team that makes magic happen? Join Transportation Mobility and do all the cool stuff you never realized state agencies do!

### **Mobility Engineering:**

The Bureau of Mobility Engineering is responsible for the design, construction, and maintenance of Intelligent Transportation Systems for the Transportation Mobility unit of Division of Operations. The Bureau of Mobility Engineering is also responsible for the review of communication and electrical engineering submissions for all projects managed by Mobility Engineering that involves installation of Fiber Optic Communication network, Dynamic Message Signs, Traffic Cameras, Connected Vehicle technologies. Mobility Engineering manages ITS projects from concept development to construction phase following a custom designed limited scope project delivery process; Installation of Connected Vehicle Infrastructure along State Highways; providing support to maintenance of all ITS device and system operations; provide field assistance to designers, contractors, resident engineers, and construction safety staff; provide Subject Matter Expert (SME) support to other Divisions within NJDOT.

### **Work Description:**

Appointee will assist in the preparation of electrical engineering designs, conduct reviews and field investigations as required for new and replacement ITS facilities such as Dynamic Message Signs, Traffic Cameras, Traffic Sensors, Radar Detectors, Wrong Way Driving Detection Systems, material approvals for all ITS construction projects. Duties will involve both field and office work.

## **REQUIREMENTS**

**Degree:** Graduation from an accredited college or university with a **Bachelor's Degree in Electrical 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: <https://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 **Electrical Engineering** was awarded

## **IMPORTANT NOTES**

**Proof of Degree:** You must provide transcript or evaluation of your **UNDERGRADUATE** degree.

**Foreign Degree Evaluation:** If you obtained your undergraduate degree outside of the US, you **MUST** provide a Foreign Degree Evaluation from a USA recognized evaluation service agency that includes a course - by - course evaluation in order to be deemed eligible. Failure to provide evaluation will result in your application being disqualified.

**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.

## **BENEFITS PACKAGE**

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

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](mailto:SAME@csc.nj.gov) , or call CSC 609 - 292 - 4144, option 3.

**New Jersey Is An Equal Opportunity Employer**