



NEW JERSEY DEPARTMENT OF TRANSPORTATION
Public Posting

POSTING #: 24-00378

TITLE: Construction & Maintenance Technician Apprentice

ISSUE DATE: 11/25/2024

TITLE CODE: 10132

CLOSING DATE: 12/16/2024

DIVISION: Operations

LOCATION: Ewing

UNIT: Various

RANGE: I 13

SALARY: \$42,824.17-\$48,542.77

WORK WEEK: 40

The New Jersey Department of Transportation (NJDOT) is accepting applications for candidates interested in the position of **Construction and Maintenance Technician Apprentice**.

Construction and Maintenance Technician Apprentice are assigned a 40 - hour work week. Upon successful completion of the twenty - four (24) month apprenticeship program, appointees will be eligible for advancement to the title of Construction and Maintenance Technician 1.

APPRENTICE POSITIONS ARE AVAILABLE WITHIN THE FOLLOWING DIVISIONS:

Operations Support Electrical Unit

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. 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.

Central Region

The Division of Regional Operations performs project management, construction, and inspection work to maintain our highway system. Maintenance engineering responsibilities for this Unit include, but are not limited to, bridge repair projects, roadway resurfacing projects, pavement preservation projects, drainage repair projects, storm water facilities restoration projects, hot mix asphalt repair, guiderail repair and replacement, and other on - call Regional repair projects. The unit is also responsible for providing emergency response to roadway and bridge emergencies to address health and safety hazards on the highway transportation system within the designated Region. Work within this unit is complex and involve activities that are critical during times when emergency response is paramount. Travel is required.

Field assignment workdays are 8 hours in length. Standard work hours are 7:00 a.m. - 3:30 p.m., but are subject to change based on contractors need. Such hours may include nights, weekends, and holidays depending on the contractor and the project assignment. It should be noted that the hours set by the contractor may differ from day to day, but every effort is made to provide advance notice in cases of shift change. Work assignment locations may also vary frequently based on the contractor and project assignment and includes all areas within the boundaries of the region. Appointees must also be available to work overtime, if and when required. Some technicians are required to use their personal vehicle to get to the jobsite or supplier's plant and, if necessary, to transport Test specimens. These appointees are eligible for mileage reimbursement.

Under close supervision of an engineer or higher - level technician, an apprentice receives on - the - job training in:

(a) performing assignments involved in the inspection or testing of road and bridge construction including electrical, environmental, landscaping, general construction or materials to ensure compliance with plans and specifications; or

(b) performing assignments involved in reviewing permit applications, inspecting permit construction sites, and performing field investigations; does other related duties as required.

Below is a list of examples of the work an appointee will be expected to learn. Job duties and responsibilities will vary between units. A particular position may not perform all duties listed, and conversely, all duties performed on the job may not be listed.

- inspect the installation of all electrical work, facilities, landscaping materials, or highway appurtenances including but not limited to curbs, environmental systems, guiderails, utility systems, drainage systems, and traffic control devices.
- inspect or test the quality and determines the quantity of electrical, landscape, structural, or road materials, and collects samples for laboratory analysis.
- inspect the construction of subgrade, subbase, and base courses, paving or landscape construction work.
- inspect construction of structures including bridges, tunnels, culverts, walls, and ancillary structures.
- inspect and test the production of construction materials at the remote sites.
- set up, standardize, and maintain testing equipment in satisfactory condition.
- perform routine chemical, nondestructive, and/or physical tests in the field or laboratory.
- investigate work proposed permit applications; evaluates the effect of such work on State rights of way and the public; ensures that proposed work complies with the New Jersey Administrative Code and zoning, visibility, and spacing regulations; and prepares recommendations for approval or disapproval of permits.
- ensure that permits have been issued and collect fees for applications and violations.
- inspect permit construction sites during construction and to initiate final inspection of projects.
- monitor an assigned area to ensure compliance with State and federal Highway Beautification Laws and regulations, and investigates complaints relevant to encroachment on highway properties.
- perform basic mathematical calculations including computing contract work and determining quantities of earthwork and construction items.
- respond to emergency situations and/or works contractors' hours which are variable and may include nights, weekends, and holidays.
- prepare clear, accurate, and detailed reports; establish and maintain records, files, and progress reports.

The inability of an employee in the Apprentice title to successfully complete the required apprenticeship period and attain a level of performance warranting advancement to the Construction and Maintenance Technician 1 title, shall be considered as cause for separation from employment.

REQUIREMENTS

Education: 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: Appointees must 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 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."

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

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

As a NJ State Department, NJDOT offers a comprehensive benefits package including Health Care (medical, prescription drug, dental and vision care), Pension, Deferred Compensation, 13 paid holidays, and Benefit Leave (12 vacation days, 15 sick days and 3 administrative days).

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