



NEW JERSEY DEPARTMENT OF TRANSPORTATION
Public Posting

POSTING #: 24-00245

TITLE: Senior Engineer, Structural Bridge Design

ISSUE DATE: 7/10/2024

TITLE CODE: 10473

CLOSING DATE: 7/31/2024

DIVISION: Capital Program Management

LOCATION: Ewing

UNIT: Structural Design & Geotechnical Engineering

RANGE: P23

SALARY: \$68,049.63-\$77,543.91

POSITION: Ten (10)

WORK WEEK: 40 hours

OFFICE DESCRIPTION

The New Jersey Department of Transportation (NJDOT) is seeking applications for candidates for the position of **Senior Engineer, Structural Bridge Design**. Senior Engineers in the Structural Design and Geotechnical Engineering Unit are assigned a 40 - hour work week with the potential for overtime. The standard workweek is Monday through Friday. Work experience within this unit will qualify as approved design experience for the issuance of a New Jersey Professional Engineer (P.E.) License.

The Division of Bridge Engineering and Infrastructure Management plans, organizes, oversees, and implements the various work programs in the offices of Structural Design and Geotechnical Engineering, Structural Evaluation and Bridge Management, and Structural Engineering Services

UNIT DESCRIPTION

The Structural Design and Geotechnical Engineering unit is responsible for performing structural and geotechnical engineering design services for in - house bridge design projects. Structural engineers within the unit's Structural Design squads conduct inspections and field investigations to collect data in support of bridge design projects, design bridges and other structures, and prepare design calculations, contract plans, engineering estimates, and specifications (PS&E Packages). Structural engineers also provide engineering support services during construction, which includes providing responses to Requests for Information (RFIs), working drawing review, and field visits to investigate and resolve unanticipated construction conditions.

POSITION DESCRIPTION

The daily functions of the Structural Design unit include, but are not limited to:

Functions:

- Perform structural designs for in - house bridge design projects.
- Design and produce structural contract documents (Plans, Specifications, and Estimates) for in - house design projects, including bridges, culverts, retaining walls, sign structures, and other related transportation structures.
- Provide Subject Matter Expert (SME) opinion for developing structural scope of work for various projects.
- Serve on proposal technical evaluation committees to support Project Management in reviewing Expression of Interest (EOI) and Technical Proposals during the consultant selection process.
- Coordinate with SMEs of various disciplines throughout the department for the development of structural engineering designs for in - house projects.
- Prepare bridge and structure related engineering estimates and specifications.
- Work closely with the Geotechnical Engineering unit to prepare foundation designs.
- Provide structural construction engineering services consisting of working drawing reviews, technical interpretations, responses to RFI's, field inspections, and resolution of emergent construction conditions for in - house design projects.

REQUIREMENTS

Education: Graduation from an accredited college or university with a Bachelor's degree in Civil Engineering.

NOTE: A Bachelor of Science degree in Engineering Technology (BSET) in a field related to civil engineering from an accredited college having a curriculum approved by the Accreditation Board of Engineering Technology (ABET) meets the above education requirement

NOTE: Possession of a valid license as a Professional Engineer issued by the State Board of Professional Engineers and Land Surveyors may be substituted for the Bachelor's degree in Engineering

Experience: Two (2) years of experience in structural design and/or structural engineering work.

For more information regarding this position, please refer to: <http://info.csc.state.nj.us/jobspec/10473.htm>

License:Appointees will be required to possess a valid US driver's license. Appointees will be required to obtain driver's license valid in New Jersey only if the operation of a vehicle, rather than employee mobility, is necessary to perform the essential duties of the position.

APPOINTEES TO THIS POSITION WILL BE SUBJECT TO CIVIL SERVICE COMMISSION TESTING AND MUST PLACE HIGH ENOUGH FOR PERMANENT APPOINTMENT ON THE SUBSEQUENT EMPLOYMENT LIST.

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

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

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.

IMPORTANT NOTES

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.

Residency: All persons newly 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 (L.2011, Chapter 70), also known as the "New Jersey First Act."

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