ENGINEERING TECHNICIAN 4 – CONSTRUCTION

Posting ID: EM186033FF

Company: Nevada Department of Transportation

Position Type: Full-Time

College Major(s): Civil Engineering (CEE), Construction Management (CEM), Mechanical Engineering (ME)

Company Website: https://www.nevadadot.com/

Work Location: Las Vegas, NV

Salary: $44,474.40/yr

College Level(s): Graduate Student, Alumni

OVERVIEW

This position is located within District I in Las Vegas. This is a field-level construction position which performs required inspections, testing, and surveying. Incumbent will be responsible for assuring contractor work is documented per the specifications and quantities to ensure prompt contractor payment.

Roles and Responsibilities

Engineering Technician positions perform a broad range of duties involving technical engineering work in support of professional engineers. Duties include but are not limited to drafting, engineering calculations, surveying, materials/soils testing, construction inspection, roadway design, right-of-way engineering, planning, permitting and inspection, water rights appropriation and land acquisition in support of civil or related professional engineering work. Duties require the application of technical engineering skills, methods, and practices in compiling technical data, drafting, computers, computer aided software, operating specialized equipment, and preparing engineering related documents.

Under general direction, incumbents function independently at the advanced journey level performing technical work requiring knowledge of engineering theories, principles, concepts and practices in a specialized area.

Education and Qualifications

Education and Experience (Minimum Qualifications)
Bachelor's degree from an accredited college or university with major course work in civil, mechanical, chemical or metallurgical engineering, mathematics or closely related field and one year of progressively responsible technical engineering work experience involving the coordination of technical engineering work projects, having technical responsibility over a specialized engineering function or program area, serving as lead worker to technical engineering staff, independently determining work priorities, implementing and/or developing work procedures, techniques, standards and controls; OR Associate's degree from an accredited
college, university or technical school with major course work in engineering, engineering technology, math or related field and three years of progressively responsible experience as described above; OR graduation from high school or equivalent education and five years of progressively responsible experience as described above; OR two years as an Engineering Technician III in Nevada State service; OR an equivalent combination of education and experience.

Special Requirements
A valid driver's license is required at the time of appointment and as a condition of continuing employment.

Pursuant to NRS 284.4066, this position has been identified as affecting public safety. Persons offered employment in this position must submit to a pre-employment screening for controlled substances. In addition, federal law required random testing for controlled substances during employment.

The Examination

● Describe your training & certification(s) in the following areas: 1) NDOT courses (i.e., Surveying, Asphalt Inspection, Concrete Inspection, General Inspection, Office School, Testing School, Partnering.); 2) Certifications and expiration dates if applicable (i.e., ATSSA Traffic Control Supervisor, NAQTC, ACI, OSHA); 3) Other training, certifications, Engineering Technician related education (i.e., ICC, NICET, EI, College courses); and 4) Experience training lower level staff as assigned.

● Describe your experience inspecting and surveying in a construction setting in the categories listed in A-I. Please answer separately for each category in A-I. Describe your experience & indicate the number of years of experience for each category. A) Surveying and construction staking B) Traffic control, inspection and implementation C) Roadway and structure excavation, borrow, backfill and drainage D) Asphalt concrete paving operations E) Bridge structures and CIDH inspection F) Traffic signals, markings and signing inspections G) Electrical, lighting and ITS inspection H) Assignment as Lead Inspector I) Utility and railroad inspection.

● Describe your experience with construction related materials testing for each category listed in A-E and indicate the number of years in each category: A) Borrow embankment, backfill and base courses; B) Asphalt and concrete paving operations; C) Concrete structures; D) Bridge structures; E) Assignment as Lead Tester.

● Describe your experience reviewing and interpreting construction plans, standard specifications, standard drawings or special provisions, shop drawings or reinforcing steel detail drawings.

● Describe your experience working in a construction field office with responsibilities including processing pay estimates, contract close-out, quantity reconciliation, force account analysis or contract change orders, letters of authorizations and/or preparing as-build drawings.

● Describe your experience with partnering on a construction project.

How to Apply
Register on the NVAPPS website at www.nevadadot.com/jobs and create an applicant profile. Then apply for recruitment #34458.

Or go to: Indeed Engineering Tech Post