

Asphalt Department Technician Duties and Responsibilities Description

Summary: Position entails the testing and inspection of Hot Mix Asphalt (HMA) materials used to construct pavements to ensure that procedures and materials comply with plans and specifications. Engineering Technicians work with construction crews during the placement of the asphalt in the field or in asphalt plants during the production to maintain quality control of production. The majority of this work is performed on construction sites, ranging from parking lots to small rural county roads to divided interstate highways, bridges, airport runways. Work may also be performed at production facilities or suppliers' locations.

Essential Duties and Responsibilities include, but are not limited to, the following:

- Observe production to ensure that the proper procedures are followed to conform to plans and specifications
- Perform standard testing on materials to ensure the material meets the required specifications
- Obtain and/or prepare samples of materials for laboratory testing.
- Examine workmanship of installations for conformity to specifications.
- Maintain daily log of construction, testing, and inspection activities and complete daily reports
- Prepare sketches of construction installations that correlate with testing and inspection sites.

Asphalt Plant Inspection

Employee will be sampling and testing HMA at the production facility. HMA is produced at high temperatures (250-350°F), and HMA production facilities are industrial environments that include heavy moving equipment, large machinery and components. Employee will be handling freshly produced HMA to fabricate specimens and conduct tests in on-site laboratories. Inspections must occur during production of HMA.

Certifications/training that you may be eligible for include:

- NETTCP – Hot Mix Asphalt Plant Technician
- New York Construction Materials – Quality Control / Quality Assurance Technician
- NJSAT – Plant Technologist Level 1
- NJSAT – Plant Technologist Level 2
- NECEPT – Bituminous Plant Level 1
- NECEPT – Bituminous Plant Level 2
- Mine Safety Health Administration (MSHA) Courses
- OSHA 10 Hour Safety

Asphalt Field Inspections (Density Testing and Coring)

Employees daily responsibilities may include monitoring the compaction effort of the contractor placing the material, monitoring the temperature of the material upon delivery, monitoring the thickness of the material when placed, and extracting specimens from the in place material after completion of paving. Employee will be using a moisture/density gauge to monitor the compaction and a drill rig to extract the specimens from the in place material so employees must be comfortable using heavy equipment.

Certifications/training that you may be eligible for include:

- Moisture/Density Gauge Operator Safety Training
- NETTCP – Hot Mix Asphalt Paving Inspector
- New York State Density Testing Inspector (DTI)
- NJSAT - Asphalt Technician Certification
- NECEPT – Bituminous Field Technician
- OSHA 10 Hour Safety

Expected goals, benefits and knowledge

During the Technician's time with Advance Testing they will be expected to cultivate their communication skills; both written and verbal. Daily, repeated interaction with project engineers, contractors, owners and co-workers will allow the individual to grow more confident in his/her knowledge and position in the industry. You will meet and become familiar with many like-minded young engineering technicians and will likely form long term personal and professional relationships. You will have the opportunity to interface with all levels of Industry professionals, allowing both the potential for mentoring and for networking. After initial training, the majority of the assignments will require the technician to work without direct, on-site supervision. Maturity, punctuality, responsibility, professionalism, dependability and the ability to problem solve are all required skills. Technicians will advance existing capabilities and learn new life skills throughout this experience. Senior staff will train, certify and support the technician throughout the time they are employed here and beyond. Resume strengthening, guidance, and solid personal references are frequently offered to those seeking these advantages.