Each year, prior to the construction season, the New York State Department of Transportation (DOT) begins hiring qualified individuals to augment its permanent workforce. All Transportation Construction Inspectors (TCIs) are seasonal employees who assist in monitoring and inspecting construction projects during the construction season that begins in April.

**Tasks and Duties**
Under the supervision of a Department of Transportation Engineer-in-Charge, a Transportation Construction Inspector will be physically assigned to one or more construction projects to perform the following construction or materials inspection or inspection-related tasks:

- **Earthwork Inspection:** Inspects contractor’s operations in building earth or rock embankments that serve as foundations for pavement; conducts gradation tests, compaction tests and moisture contact tests to ensure material is of correct size and density; checks thickness of the layer of materials placed and the type and suitability of compaction equipment; assists in survey, layout and measurement activities.

- **On-Site Concrete Inspection:** Inspects contractor’s operations in placement of concrete for pavements and for bridge piers and abutments; conducts air content tests, slump tests and obtains cylinders for subsequent load tests; inspects contractor’s method of handling and placing concrete to minimize segregation, the finishing of the concrete, and the method of curing, inspects paving trains to ensure a smooth concrete pavement.

- **Structural Inspection:** Inspects contractor’s erecting of steel to ensure correct placement; inspects field welds; inspects surface preparation and the painting of steel.

- **Drainage Inspection:** Inspects contractor’s operations in the installation of culverts, sewers and ditches; ensures that excavation of trenches is done in a safe manner for proper alignment and grade, that correct material is placed and properly shaped to “bed” the pipe and that backfill over pipe is of correct material and properly compacted.

- **Asphalt Pavement Inspection:** Inspects contractor’s placement of asphalt pavement; ensures temperature for placement is correct, lift thickness is in conformance with specifications, and the asphalt is properly compacted.
Transportation Construction Inspector 1, hourly rate of $17.50 (as of 2019)
A. One construction season (minimum of 3 months) of work experience in highway, bridge or other civil engineering related construction inspection, as described in the Transportation Construction Inspector Tasks and Duties, or;
B. Completion of at least one year (minimum of 27 semester credit hours) of college course work as part of an Associate’s Degree program in engineering, engineering technology, construction technology, engineering science, surveying technology, drafting/CAD, or heavy equipment operations or;
C. Completion of at least one year (minimum of 27 semester credit hours) of college course work as part of a Bachelor’s Degree program in engineering, engineering technology, environmental sciences or environmental technology, construction management, construction supervision, engineering management, construction engineering or construction engineering technology, transportation planning, mathematics, physical science, architecture or architectural technology, construction technology, landscape architecture, surveying, physics, geology or forestry.

Transportation Construction Inspector 2, hourly rate of $19.43 (as of 2019)
A. Two separate construction seasons (minimum 6 months total) of work experience in highway, bridge or other civil engineering related construction inspection, as described in the Transportation Construction Inspector Tasks and Duties, or;

• Materials Inspection: Inspects production at a batch plant of Portland cement concrete or bituminous concrete; ensures that ingredients are from an approved source (i.e., stone, sand, asphalt or cement), that they are mixed in correct proportions for a specified time period; that automation features of the plan are working properly; maintains documentation of tests and delivery; performs materials test, quantity calculations and related activities in the Materials Unit.

• Project Support Activities: Calculates actual construction project length, areas and volumes to support authorization of payments to the contractor; performs technical checking activities in support of administering the contract; performs other technical and engineering-related functions as required.

• Miscellaneous Inspection Assignments: Construction inspection assignments may also include: inspection of curbing, sidewalk, signs, guide railing, pavement markings, landscape items, water, sanitary, traffic signals, maintenance and protection of traffic, highway lighting, fencing, crack sealing, joint filling. TCIs may be assigned to a Construction Support Group such as Soils (stockpile testing), Independent Quality Assurance Testing (IAST) or Construction Survey.

• Materials Analyst: Perform design, verification, or acceptance testing of construction materials at the central laboratory. Duties vary based on assigned lab groups, which are focused on geotechnical applications, strength of materials, geologic characterization, concrete asphalt, or chemical analysis.

Qualifications to Apply
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B. Completion of an Associate’s Degree program in engineering, engineering technology, construction technology, engineering science, surveying technology, drafting/CAD, or heavy equipment operations or;

C. Completion of at least 2 years (minimum of 54 semester credit hours) of college course work as part of a Bachelor’s Degree program in engineering, engineering technology, environmental sciences or environmental technology, construction management, construction supervision, engineering management, construction engineering or construction engineering technology, transportation planning, mathematics, physical science, architecture or architectural technology, construction technology, landscape architecture, surveying, physics, geology or forestry or;

D. Completion of one construction season of work experience, as described in TCI 1 above, plus minimum of 27 semester credit hours of college course work as part of an Associate’s or Bachelor’s Degree program as cited above.

**Transportation Construction Inspector 3, hourly rate of $21.63 (as of 2019)**

- All Transportation Construction Inspector 2’s will progress to Transportation Construction Inspector 3 upon satisfactory completion of 6 months as a Transportation Construction Inspector 2 or completion of 3 months as a Transportation Construction Inspector 2 and completion of at least 27 additional credit hours of college course work as part of Bachelor’s Degree program as cited in C above.
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How to Apply

Go to: www.dot.ny.gov/jobs/seas_positions/TCI

Fill out the Employment Application, and submit it directly to the following Region One personnel:

Maria Harple
(518) 457-9696
maria.harple@dot.ny.gov

Jeff Fisher
(518) 457-9916
jeff.fisher@dot.ny.gov

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