

New York State Department of Civil Service
DIVISION OF CLASSIFICATION & COMPENSATION

Classification Standard

Occ. Code 4049100

Transportation Construction Inspector 1, NS	4049100
Transportation Construction Inspector 2, NS	4049200
Transportation Construction Inspector 3, NS	4049300

Brief Description of Class Series

Transportation Construction Inspectors perform testing on various materials used in the construction of roads and bridges, support professional engineering staff in construction compliance activities, and perform construction and/or material inspections for assigned projects.

These positions are in the non-competitive jurisdictional class, seasonal, and are classified only at the Department of Transportation, Thruway Authority, and Canal Corporation.

Distinguishing Characteristics

Transportation Construction Inspector 1: under direct oversight, conducts rudimentary inspections of construction work and compiles related daily reports ; performs basic materials testing and gathers basic measurements; and uses and maintains common test equipment.

Transportation Construction Inspector 2: under minimal oversight, conducts moderately complex inspection of construction work and compiles related daily reports; performs difficult materials testing and uses and maintains more intricate testing equipment.

Transportation Construction Inspector 3: works independently with less direct oversight in conducting complex inspection of construction work and compiles related daily reports; performs complex materials testing; and performs equipment calibrations.

Illustrative Duties

The level of Transportation Construction Inspector is determined by the candidate's knowledge, skills, and abilities, and by the level of independence authorized in performing assigned tasks. Typical duties of all levels in this title series, include:

Performs gradation tests, compaction tests, and moisture content tests.

Inspects the type and suitability of compaction equipment.

Assists in survey, layout, and measurement activity.

Reviews and observes air content tests, slump tests, and cylinder reports.

Inspects the methods of concrete curing and surface finishing.

Inspects installation of culverts, sewers, and ditches.

Inspects field welds, surface preparation, and the painting of steel.

Ensures that asphalt temperature and air temperature are optimal for laying asphalt.

Ensures lift thickness conforms to specifications and that asphalt is properly compacted.

Calculates actual quantities and performs technical checking activities.

Performs design, verification, or acceptance testing on construction materials.

Minimum Qualifications

Transportation Construction Inspector 1

Non-competitive: one construction season (minimum of three months) of work experience in highway, bridge, or other civil engineering related construction inspection; or completion of at least a minimum of 27 semester credit hours of college course work as part of an associate degree program in engineering, engineering technology, construction technology, engineering science, surveying technology, drafting/CAD, or heavy equipment operations; or completion of at least 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

Non-competitive: two construction seasons (minimum of six months total) of work experience in highway, bridge, or other civil engineering related construction inspection;

or completion of an associate degree program in engineering, engineering technology, construction technology, engineering science, surveying technology, drafting/CAD, or heavy equipment operations; or completion of at least 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 completion of one construction season of work experience, as described in TCI 1 above, plus a minimum of 27 semester credit hours of college course work as part of an associate or bachelor's degree program as cited above.

Transportation Construction Inspector 3

Non-competitive: completion of six months as a Transportation Construction Inspector 2; or completion of three months as a Transportation Construction Inspector 2 and completion of at least 81 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.

Note: Classification Standards illustrate the nature, extent, and scope of duties and responsibilities of the classes they describe. Standards cannot and do not include all the work that might be appropriately performed by a class. The minimum qualifications above are those required for appointment at the time the Classification Standard was written. Please contact the Division of Staffing Services for current information on minimum requirements for appointment or examination.

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