

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

Classification Standard

**Occ. Code 7261200**

**Crane and Shovel Operator, Grade 12                      7261200**

Brief Description of Class

Crane and Shovel Operators operate, rig, lubricate and make running repairs to self-propelled equipment in excavating, driving or extracting, piling, lifting and moving heavy machinery or materials, grading, and other construction and maintenance operations. The equipment operated includes mobile cranes, power shovels, knuckle booms and other heavy equipment. The operation of these types of machines involves care and precision because of the size and weight of the moving parts and the proximity of workers.

Most positions in this class are classified at the New York State Canal Corporation. Other positions are found at the Department of Transportation; the Department of Environmental Conservation; the Office of Parks, Recreation, and Historic Preservation; and the Thruway Authority.

Distinguishing Characteristics

*Crane and Shovel Operators:* non-competitive; operate, at least one-third of the time, the largest and most complex self-propelled equipment such as mobile cranes, knuckle boom cranes, power shovels and any attachments such as backlines, clamshells, and drag lines; may supervise a crew of laborers and others or perform routine repairs and maintenance on equipment.

Related Classes

Construction and Highway Equipment Operators operate smaller and less complicated self-propelled equipment in the construction, repair and maintenance of highways, grounds and canals. Such equipment includes rollers, snowplows, self-propelled loaders, sweepers, tractor mowers, and road graders.

Drill Rig Operators operate drilling apparatus to obtain samples of finished concrete or bituminous work to determine if the work meets contract specifications or to obtain undisturbed soil and rock samples in advance of or concurrent with engineering projects, so that engineers can determine the character and foundation strength of the earth.

## Illustrative Tasks

### *Crane and Shovel Operator*

Performs task innate to equipment, operated according to instructions received from supervisor.

- Checks fluid levels, tire pressure, safety devices, control mechanisms, and friction adjustments prior to operation.
- Starts, stops, steer and controls machine and its attachments in safe, efficient and effective manner to perform assigned tasks.
- Monitors gauges and fluid levels of machine during operation.
- Maintains daily record of work performed and materials used.

Performs routine maintenance and repairs on machines to ensure safe and efficient operation.

- Pumps gas or other fuel, adds or drains water and/or antifreeze to radiator, oil to crankcase, air to tires, and hydraulic fluid to reservoirs.
- Cleans, oils, and lubricates equipment as necessary.
- Changes tires on machines as needed.
- Replaces burned out or broken lamp bulbs.
- Replaces oil, fuel, air and hydraulic filters.
- Makes daily friction adjustments to machine.
- Makes minor repairs in the field, as needed, to keep machine running.

May operate equipment listed as appropriate for lower level Equipment Operators.

May work with others to signal them where to dig or place material.

## Minimum Qualifications

### *Crane and Shovel Operator*

Non-competitive: two years of experience in the operation of power shovels, cranes and/or other heavy equipment, and possession of a valid New York State operator's license appropriate for the type of vehicles operated and possession of a valid operator qualification certificate from a certification service agency approved by OSHA for cranes and shovels.

**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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