



Code: 7610

Family: Construction, Maintenance, and Skilled Labor
Service: Operation and Construction
Group: Steam and Operation Engineering
Series: Hoisting and Conveying Operation

CLASS TITLE: CONSTRUCTION EQUIPMENT INSPECTOR

CHARACTERISTICS OF THE CLASS

Under supervision, inspects construction equipment for safe operating condition and compliance with applicable provisions of the Municipal Building Code and industry standards to ensure public safety, and perform related duties as required

ESSENTIAL DUTIES

- Inspects tower cranes, mobile cranes, derricks and other construction related lifting and hoisting equipment for the public's safety at construction work sites
- Verifies crane operators' license to ensure proper license and classification
- Inspects construction equipment such as cranes, derricks, material hoisting towers and other related equipment to ensure equipment is properly erected and secured according to approved plans, and complies with applicable provisions of the Municipal Building Code and industry standards
- Inspects computerized and mechanical components of construction equipment, including cables, brakes, operating devices and safety devices to ensure safe operating condition and compliance with safety standards
- Examines structural components of cranes and derricks for structural integrity
- Interprets and explains the provisions of the Municipal Building Code pertaining to construction equipment and code violations and industry standards relating to the erection, re-configuration, and safe operation of construction equipment to contractors and engineers
- Issues citations for code violations and issues stop work orders where excessive violations are found during inspections
- Conducts follow-up inspections to ensure code violations have been corrected
- Reads and interprets construction blueprints
- Testifies at Administrative Hearings or Court proceedings regarding crane operators operating cranes without the proper license or poor operating conditions of construction equipment, code violations found during inspections, and/or corresponding citations issued
- Investigates accidents involving construction equipment to determine cause and recommends prevention methods to avoid reoccurrence
- Prepares inspection reports documenting findings on related work activities

NOTE: *The list of essential duties is not intended to be inclusive; there may be other duties that are essential to particular positions within the class.*

MINIMUM QUALIFICATIONS

Education, Training, and Experience

- Successful completion of a US Department of Labor registered Operating Engineer apprenticeship training program and journeyman status, plus at least six years of work experience in the operation of hoisting equipment or an equivalent combination of education, training and experience

Licensure, Certification, or Other Qualifications

- A valid State of Illinois driver's license is required

- Must have permanent use of an automobile that is properly insured, including clause specifically insuring the City of Chicago from accident liability
- A valid Crane Operator's Class 1 license with an endorsement of A, B, C, or D, as issued by the City of Chicago, is required

WORKING CONDITIONS

- Exposure to outdoor inclement weather and extreme wind and temperature conditions
- Exposure to loud noise, fumes or dust, oily or wet environment
- Exposure to hazardous conditions (e.g., heavy machinery, extreme heights, construction sites)

EQUIPMENT

- Personal protective equipment (e.g., hard hat, work boots, glasses, ear plugs, gloves, vest)

PHYSICAL REQUIREMENTS

- Physical ability to work at extreme heights, climbing stairs and ladders to extreme heights with frequency
- Physical ability to inspect various heavy equipment and machinery
- Physical ability to access cabs of heavy construction equipment

KNOWLEDGE, SKILLS, ABILITIES, AND OTHER WORK REQUIREMENTS**Knowledge**

Good knowledge of:

- operation of cranes and construction equipment
- standard preventative maintenance procedures used on heavy construction equipment
- safety rules and practices in the operation of heavy construction equipment
- use of applicable safety equipment and protective gear

Knowledge of applicable City and department policies, procedures, rules, and regulations

Skills

- ACTIVE LEARNING - Understand the implications of new information for both current and future problem-solving and decision-making
- ACTIVE LISTENING - Give full attention to what other people are saying, take time to understand the points being made, ask questions as appropriate, and not interrupt at inappropriate times

Abilities

- COMPREHEND ORAL INFORMATION - Listen to and understand information and ideas presented through spoken words and sentences
- SPEAK - Communicate information and ideas in speaking so others will understand
- COMPREHEND WRITTEN INFORMATION - Read and understand information and ideas presented in writing
- RECOGNIZE PROBLEMS - Tell when something is wrong or is likely to go wrong

Other Work Requirements

- INITIATIVE - Demonstrate willingness to take on job challenges
 - STAMINA - Demonstrate energy and stamina to accomplish work tasks
 - DEPENDABILITY - Demonstrate reliability, responsibility, and dependability and fulfill obligations
 - ATTENTION TO DETAIL - Pay careful attention to detail and thoroughness in completing work tasks
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All employees of the City of Chicago must demonstrate commitment to and compliance with applicable state and federal laws, and City ordinances and rules; the City's Ethics standards; and other City policies and procedures.

The City of Chicago will consider equivalent foreign degrees, accreditations, and credentials in evaluating qualifications.

* May be required at entry.

City of Chicago
Department of Human Resource
July, 2018