

**CITY OF FRANKLIN  
CLASS SPECIFICATION**

**CLASS TITLE:** HEAVY EQUIPMENT OPERATOR I                      **DATE**            5/15  
**DEPARTMENT:** MUNICIPAL SERVICES  
**REPORTS TO:** DIVISION FOREMAN, HEAVY EQUIPMENT OPERATOR TWO,  
DIRECTOR AND OPERATIONS SUPERINTENDENT

**JOB SUMMARY:**

In the Highway Division, performs work which involves operating complex construction right of way, ground and road maintenance equipment. In the Solid Waste Division there is the operation of complex waste collection and processing equipment both Curbside and at the Transfer Station.

All positions also perform manual labor involving various maintenance, construction and repair projects throughout each division of the Municipal Services Department. Sets up safe work zones and traffic control for various construction projects, minor repairs and maintenance on equipment and assists with snow and ice control.

In the Water and Sewer Divisions, employees conduct similar type construction projects which may be somewhat different from those in the Highway Division. Specific tasks primarily relate to maintenance of the City Water Supply, Source, Metering and Distribution Systems. Similarly in the Sewer Division operators conduct maintenance, upkeep and inspection to the City Sanitary Sewer Collection System.

**ESSENTIAL JOB FUNCTIONS:**

Operates complex construction and maintenance equipment such as tandem axle dump trucks; tractor trailers; sand or gravel hoppers; front end loaders; bulldozers; backhoes and bobcats; steel wheeled rollers and road graders in order to transport material and perform maintenance activities.

Operates lawn tractors and other right-of-way maintenance equipment in order to mow, trim trees and brush, edge grass, chip wood, plant seed and fertilize and remove snow and ice.

Performs general grounds maintenance duties such as preparing beds, planting flowers, removing trees and emptying trash barrels.

Performs road, field and right-of-way repair and maintenance activities such as shoveling, raking, hauling, mixing, digging and picking up materials, debris and dirt, wheeling and raking loam and asphalt.

Clears easements, adjusts water gates and curb stops, storm drains and manhole structures.

Operates heavy, motorized equipment repairing and cleaning drainage, water and sewer lines.

Assists with traffic control at road construction sites by directing traffic and assisting other equipment operators and divisions in moving equipment.

In the Solid Waste Division for the Curbside Collection Solid Waste / Recycling Programs and at the Transfer Station, the employee operates collection vehicles both automated and manual, loader, bobcat, weigh scale and other equipment incidental to the collection, sorting, weighing and processing of municipal solid. Assembles, repairs and maintains Toter refuse containers.

Operates all types of equipment based on specific seasonal maintenance activities.

In the Water and Sewer Divisions, the operator performs similar tasks involving the operation of aforementioned construction equipment however, due to the difference in the operations of these two divisions there is more focus towards the inspection, proper operation, maintenance and upkeep of the City Sanitary Sewer Collection System and Water Distribution Systems. Such tasks vary but include operation and inspection of wells, water tanks, emergency generators, pumping stations and the water treatment plant. Assists in customer service; courtesy inspections; meter replacement; leak detection equipment; meter reading equipment; meter assembly, installation meter maintenance. In water distribution and sewer collection systems pipeline maintenance and repair and inspections are regularly performed.

Completes required forms and completion of work orders; records associated with operation of assigned equipment such as equipment repair orders; pre and post trip forms and daily checklists of equipment in pumping stations.

Performs regular routine maintenance and inspection of equipment such as checking oil and fluid levels; tire pressure and belts, greasing machinery; changing plow blades and light bulbs; maintenance of pumps and pump motors. FHDOT required pre trips and forms.

Provides work guidance and assists subordinates in labor and training related tasks.

Will be required to work mandatory overtime for snow and ice control operations and other emergencies, and to fulfill the requirements of weekly on-call duties as assigned to water and highway divisions.

Performs other related functions as needed and those of a Light Equipment Operator.

#### **MATERIAL AND EQUIPMENT USED:**

Dump trucks, jack hammers, front end loader, backhoe, excavator, lawn tractors, snow and ice control equipment, bulldozers, chainsaws, trimmers and chippers, tractor trailers, road grader, rollers and tamps, aerial bucket and other various construction/maintenance equipment, solid waste processing and collection equipment.

Water station pumps and motors; valve exercising equipment; scada equipment; computers; remote meter reading equipment; leak detection equipment, manual and automated sewer pipe cleaning tools and equipment.

#### **MINIMUM QUALIFICATIONS REQUIRED:**

High School education diploma or GED; and seven years of related experience; or

any combination of education, training and experience that provides the required knowledge, skills and abilities necessary for the job.

At a minimum, in all divisions, a Valid New Hampshire Class B CDL with Air Brake endorsement required. Class A is desirable. Medical Examination Certificate required.

In the Water Department, a minimum Level 1 "Public Water System Operators Certification" in Treatment and Distribution.

In the Solid Waste Division a State of New Hampshire Weigh Masters License and Transfer Station Operators License.

Valid New Hampshire Class B CDL with Air Brake and/or other appropriate endorsements.

### **KNOWLEDGE, SKILLS AND ABILITIES:**

#### **Knowledge of:**

Parks and grounds maintenance techniques.

Rules and work zone safety techniques mandated by the FHA related to roadway and safety equipment.

Techniques and practices used in road right-of-way repair and maintenance activities.

Principles and practices of municipal water and sewer system maintenance.

#### **Skill in:**

Good public relations and ability to effectively communicate.

Operating various light and heavy construction/maintenance and right-of-way equipment.

Operating, maintaining and using heavy motor equipment including: operation of such equipment over rough, icy and unstable surfaces.

Performing complex routine tasks and moderate maintenance on equipment.

Participating in a variety of singular or team projects involving municipal public works maintenance activities sometimes involving the combination of all divisions (i.e. Snow and ice control)

#### **Mental and Physical Abilities:**

Ability to continuously operate equipment using joystick and levers.

May be on call in order to respond to 24-hour emergencies seven days per week including holidays and weekends as needed.

Understand and follow oral and written instructions. With the ability to return completed work and repair orders.

Strong work ethic, dependable with good attendance record and willingness to work in a team environment.

While performing essential functions of this job, the incumbent is regularly required to perform strenuous physical work; stand; walk; reach with hands and arms; drive and operate equipment; stoop; kneel; crouch; crawl; speak; hear and communicate over loud noise; exert 20-50 pounds of force and lift up to 75-100 pounds.

Specific audio and vision abilities required by this job include: distance vision, ability to discriminate between colors and ability to adjust focus.

### **WORKING CONDITION:**

While performing the essential functions of this position, the incumbent is regularly exposed to wet or humid conditions; outdoor weather conditions; extreme hot and cold temperatures; working near moving mechanical parts; working in high and subterranean precarious places; confined spaces, fumes or airborne particles; dust; toxic or caustic chemicals and vibration. Working conditions are typically to moderately loud.

Physical Demands for Job Description Heavy Equipment Operator 1

The following shows the maximum physical demands for all the tasks listed above.

The Department of Labor Strength Rating: \_\_\_\_\_

**JOB REQUIRES:**

Maximum lifting/carrying of: 75-100 lbs.

Frequent lifting/carrying of: 50 lbs.

**WORK SCHEDULE:**

Number of hours/day: 8

Number of days/week: 40

*Mandatory Overtime as needed*

| Does job require Repetitive Motions? (check all applicable) |                                     |                                     |                                     |                                     |
|---|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|
|   | WRIST                               | ELBOW                               | SHOULDER                            | ANKLE                               |
| Right   | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| Left  | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |

| JOB REQUIRES:<br>Part of day | CONTINUOUS<br>Less than 10 lbs<br>100% - 67% | FREQUENT<br>66% - 34%               | OCCASSIONAL<br>33% - 1%             |
|------------------------------|--|-------------------------------------|-------------------------------------|
| Bending                      |  | <input checked="" type="checkbox"/> |                                     |
| Kneeling                     |  | <input checked="" type="checkbox"/> |                                     |
| Squatting                    |  | <input checked="" type="checkbox"/> |                                     |
| Climbing                     |  | <input checked="" type="checkbox"/> |                                     |
| Standing                     | <input checked="" type="checkbox"/>          |                                     |                                     |
| Walking                      | <input checked="" type="checkbox"/>          |                                     |                                     |
| Sitting                      |  | <input checked="" type="checkbox"/> |                                     |
| Reaching                     |  | <input checked="" type="checkbox"/> |                                     |
| Driving                      | <input checked="" type="checkbox"/>          |                                     |                                     |
| Fine Motor Skills            |  |                                     | <input checked="" type="checkbox"/> |
| Lifting                      |  | <input checked="" type="checkbox"/> |                                     |
| Lifting and<br>Carrying      |  | <input checked="" type="checkbox"/> |                                     |
| Twisting                     |  | <input checked="" type="checkbox"/> |                                     |
| Data Entry                   |  |                                     |                                     |