



City of Ouray

Job Description

Title:	Maintenance Operator II	Code:	521
Division:	Operations	Effective Date:	01/2017
Department:	Public Works	Last Revised:	

GENERAL PURPOSE

Performs a variety of **working level skilled and lead worker duties** related to the construction, installation, maintenance and repair of city utility and public works service systems including streets, water transmission and wastewater collection and treatment. SUPERVISION RECEIVED

Works under the general supervision of the Public Works Director or Public Works Foreman.

SUPERVISION EXERCISED

Provides general to close supervision to Maintenance Operator(s) I or seasonal staff while in training or on a project by project basis.

ESSENTIAL FUNCTIONS

Wastewater: performs field operations related to wastewater system installation and maintenance to ensure proper collection and treatment of residential wastewater; performs daily rounds at the water/wastewater treatment plants; assists with collection and submits routine monitoring samples for water/wastewater systems; performs sewer collection system installation, maintenance, and repairs; performs annual PRV maintenance; maintains backflow and cross-connect system; operates a variety of hand or power equipment, including tapping machine, jack hammer, compactor, rodding machine, etc.; Installs new sewer mains; taps mains to make service connections; repairs leaks in sewer system(s); maintains and cleans city sewer collection system main lines; assists with annual sewer main cleanings; inspects or TV's manholes and sewer lines to detect leaks or malfunctions; bolts leak-proof collars to mains to stop leaks; seals joints with cementing compound; opens clogged sewer lines using various pipe cleaning equipment; monitors wastewater treatment processes to ensure compliance with EPA/CDPHE effluent regulations and standards.

Uses various hand tools, power tools, long-handle tools, jackhammer, grinder, and compressor, tamper, locating equipment, sewer jet, and bucket truck.

Water: Performs day-to-day technical field operations related to water system installation and maintenance to ensure distribution of culinary water to city residents; draws water samples, tests chlorine and turbidity; operates backhoe and trenching equipment; performs installation or repair of water service connections, water lines and meters, performs fire hydrant flow tests; repairs or replaces fire hydrants and plugged water meters; repairs water mains; cleans and maintains storage tanks and springs; thaws water pipes; repairs or replaces fire hydrants and water regulators; conducts water sampling; ; monitors treatment and storage of water supply using SCADA telemetry.

Operates a variety of hand tools and small power equipment such as jack hammers, roller, compressors, packing machine, threading machine, tapping machine and tampers; installs new water lines using pipe threader, tapping machine, welder, pipe cutting saw, pipe and cable locator; repairs old water lines; tears out and repairs curb, gutter and street in locating and uncovering broken lines; builds meter boxes; builds extensions to raise or lower existing boxes as needed; cleans tools and equipment.

Streets: Repair and maintain drainage system, street and alley ways; operates a variety of heavy equipment and machinery such as grader, front end loader, and back hoe; operates light to medium equipment, including dump trucks, plow trucks, roller/compactor, street sweeper, etc. and other similar equipment in the construction, maintenance and repair of various street department projects and sites; performs cement work on flat surfaces, curbs, and gutter; grouts surfaces and joints; performs bi-annual inspections of flumes and assists with necessary repairs; participates in work zone safety procedures; flags on coming vehicles; assists in the installation of approved street signs.

Transports and deposits various construction materials such as sand, gravel, dirt, blacktop, etc.; performs patching, storm drain cleaning, repair and construction, snow and ice control, gravel street maintenance; debris collection, etc.; participates in work site safety procedures; sets up barricades, safety signs and signal equipment; checks and services assigned equipment; performs routine maintenance and emergency repairs; reports mechanical problems to the shop for repair.

Facility & Vehicle Maintenance: Performs routine maintenance functions as needed to ensure safe and efficient vehicle and equipment operations; follows general preventative maintenance schedules related to fluid levels, air pressures, electrical functions, hydraulics, etc.

Performs various skilled duties working on projects requiring concrete finishing, welding, carpentry, plumbing, and electrical operations.

Performs related duties as required.

MINIMUM QUALIFICATIONS

1. Education and Experience:

- A. Graduation from high school; plus possession of designated technical certifications;
AND
- B. Two (2) years' experience in construction, maintenance or repair of public works utilities systems;
- C. Two (2) years' experience in equipment operation
OR
- D. An equivalent combination of education and experience.

2. Knowledge, Skills, and Abilities:

Working knowledge of operating basic manual and power tools; the standard practices, methods, materials and tools necessary for pipe line construction and repair activities; pipe fitting procedures including water, sewer and gas; the occupational hazards and safety precautions of trench work construction and pipeline maintenance work; hazards common to heavy equipment operation; safety standards related to street construction and maintenance; material and methods of constructing roads, drain systems etc.; water supply and distribution systems; hazards associated with water treatment chemicals; wastewater and airborne pathogens; state or federal regulations governing installation and maintenance of water, sewer, and gas systems; water quality laws; interpersonal communication skills. **Some knowledge of** SCADA monitoring systems; street sign regulations, i.e., Manual on Uniform Traffic Control Devices (MUTCD).

Working level skill in operating tap machine, locator, sewer jet, and performing backflow/cross connections; a variety of hand, power and long-handled tools; operating heavy equipment such as grader, dump truck, loader, backhoe, dump trucks, forklifts, plow trucks, vacuum truck, street patching machine, street sweeper, tap machine, locator, and sewer jet, etc.; snow operations including operating tandem with plow and spreader .

Ability to operate heavy equipment of various kinds under varying conditions; perform heavy physical labor; develop and maintain effective working relationships with co-workers, and the general public; communicate effectively, both verbally and in writing; work from blueprints; tolerate weather extremes in the work environment; ability to perform basic mathematical computations in reading and using various meters, gauges and related devices.

3. Special Qualifications:

Must possess a valid Colorado CDL driver's license with endorsements including B (26,001 or more pounds) and N tanker endorsement. Must meet the Dept of Transportation pre-employment physical exam and drug testing requirements and participate in random drug and alcohol testing program. Performs required on call weekend/holiday duty on a rotating basis; responds to Public Works emergencies as required. Responds to snow shifts when called. Must be confined space certified. May be required to become a certified flagger.

4. Work Environment:

While performing the duties of this job, the employee occasionally works in high, precarious, or confined places. The employee regularly works near moving mechanical parts and may be exposed to toxic or caustic chemicals and risk of electric shock. The noise level in the work environment is usually moderate. Must be able to exert up to 100 pounds of force occasionally and 25-60 pounds of force frequently to lift, carry, push, pull, or otherwise move objects. Requires the ability to maintain body equilibrium when bending, stooping, crouching, reaching and/or stretch arms, legs, or other parts of body and to physically maneuver over and/or upon varying terrain, surfaces, or physical structures. Essential functions require talking, hearing and seeing. Works in confined spaces that require ventilation to protect against potential noxious gases and fumes.

Required to wear protective safety gear and use safety equipment to protect against potential biohazards possibly encountered during performance of maintenance activities. May work with restricted use chemicals to perform maintenance activities. Common eye, hand, finger dexterity are required. Performs essential functions in the public right-of-way. Mental application utilizes memory for details, verbal instructions, emotional stability, discriminating thinking and creative problem solving. Daily exposure to seasonal weather extremes and frequent local travel required in normal course of job performance.

Disclaimer: The above statements describe the general nature, level, and type of work performed by the incumbent(s) assigned to this classification. They are not intended to be an exhaustive list of all responsibilities, demands, and skills required of personnel so classified. Job descriptions are not intended to and do not imply or create any employment, compensation, or contract rights to any person or persons. Management reserves the right to add, delete, or modify any and/or all provisions of this description at any time as needed without notice. This job description supersedes earlier versions.

I _____ have reviewed the above job description. Date _____
(Employee)