

EQUIPMENT OPERATOR II

JOB DESCRIPTION

Classification Responsibilities: An Equipment Operator II is a journey-level classification responsible for the safe, efficient operation and care of moderately complex heavy construction equipment. Incumbents perform tasks involved in one of the following: the construction, maintenance, and repair of the City's gas utility systems; the maintenance, repair, alteration, and construction of facilities, fixtures, and equipment at City parks, basins, golf courses, athletic/sports fields, and other recreational areas; maintenance and repair of City streets, concrete sidewalks, curbs, gutters, storm drainage systems, parkways, and rights-of-way; or the construction, maintenance, and repair of the City's water and wastewater utility systems. Incumbents operate various equipment requiring considerable skill and coordination to manipulate such as a trencher, 18-ton hydraulic crane, mainline paint striper, vactor truck, asphalt paver, ready mix truck, skid steer (with milling attachment), conveyor truck, back of the slurry truck (pugmill operation), combination high-velocity jetter/vactor truck, or other related equipment which may be listed in the Equipment Operator I classification such as backhoe with multiple bucket sizes and dump truck. Allocation to this class establishes the operation of moderately complex heavy equipment as the primary function of the position. However, when not operating equipment, an employee in this class is expected to take the initiative in assisting in the manual and technical aspects of the construction, maintenance, and repair activities. These assignments involve public contact, working near traffic and underground utility lines, exposure to hazardous chemicals, confined space entry, and heavy physical exertion under all weather conditions. An employee in this class must exercise caution when working in close proximity to underground natural gas, water, sewer, telephone, fiber, and electrical lines. In addition, an employee in this class must follow policies and procedures to safely dig trenches and holes that will expose the crew members to minimal risk of cave in. An employee in this class is required to use appropriate safety equipment and follow safety procedures in performing assignments. Employees have responsibility for the safety of coworkers while equipment operation is being performed. This class is subject to frequent emergency call-out and incumbents must be willing to work scheduled stand-by and overtime on nights, weekends, and holidays as required. This class is responsible for performing related duties as required.

Energy Resources Assignment: An Equipment Operator II assigned to Energy Resources operates a variety of construction equipment (example: backhoe and trencher). Consequences of cutting through utility lines range from little risk of injury but potentially large cost of repair (in the case of telephone cables), to life-threatening potential for the operator and other persons in the area (from energized power lines or live gas mains).

Parks, Recreation and Community Facilities (PRCF) Assignment: An Equipment Operator II assigned to Parks maintenance performs skilled operation of machinery such as 18-ton hydraulic cranes, front-end loader, roller, backhoe with multiple bucket sizes, compactor, gannon, tanker, skid steer with multiple attachments, forklift, genie lift, crane truck, trenching equipment, bandshell, mobile bleachers, and trailer for landscaping projects in the parks, basins, ballfields, and the various park buildings, including lighting and signage replacements or repairs, ballfield surface maintenance, turf-to-granite conversions, trenching, removal of footings, finish grading, etc. This class also performs a variety of skilled and semiskilled work in the construction, maintenance, and repair of the City's sports fields and provides direction to a small crew.

Transportation Assignment: An Equipment Operator II assigned to Transportation will operate equipment such as the mainline paint striper, vactor truck, asphalt paver, skid steer (with milling attachment), conveyor truck, ready mix truck, and back of the slurry truck (pugmill operation), or other related equipment. In addition, employees in this class may also be responsible for driving a Ford F550 with a thermal-plastic trailer weighing over 10,000 pounds for a gross combined weight rating (GCWR) of over 26,000 pounds requiring a Class A Commercial Driver's License (CDL). Employees in this class may provide direction to a small crew.

Water Resources Assignment: An Equipment Operator II will be assigned to either the Water Distribution or Wastewater Collection System sections. This classification operates a variety of construction equipment such as backhoe, front-end loader, trenchers, crane truck, combination high velocity jetter/vactor truck, and easement machine. In addition, this class performs a variety of skilled and semiskilled work in the installation, maintenance, and repair of the City's water and wastewater systems. This class may also operate and maintain Closed-Circuit Television (CCTV) cameras, recorders, and audio/visual (A/V) equipment to analyze footage used to inspect the conditions of sewer mains and services. Water Resources employees may progress to this class by noncompetitive promotion upon meeting the specific criteria-based promotion requirements.

Distinguishing Features: The Equipment Operator I class is distinguished from the Equipment Operator II by the latter's higher degree of skill required to operate moderately complex heavy equipment and the greater consequences of error and exposure. An Equipment Operator II is distinguished from the Equipment Operator III by the latter's higher degree of skill required to operate the most complex equipment available with the greatest consequence of error and exposure. Duties require initiative and independent judgment in the care and operation of complex heavy construction equipment, as well as mechanical aptitude and skillful coordination of eye, hand, and foot movements. Importance is attached to the fact that the equipment requires constant attention to protect it from damage and to perform work effectively. Work is typically performed independently without immediate supervision. Supervision is received from a crew leader, foreman, or supervisor who reviews incumbents' work through on-site observation of work in progress and completed projects. Employees may progress to the Equipment Operator III assignment class by noncompetitive, criteria-based promotion after successful completion of required certifications, on-the-job training, achievement of satisfactory performance appraisals, and successful completion of initial City probation. Some employees may progress to this class by noncompetitive promotion upon meeting the specific criteria-based promotion requirements (*by assignment or Water Resources assignment*). This class is FLSA nonexempt.

QUALIFICATIONS

Employee Values: All employees of the City of Mesa are expected to uphold and exhibit the City's shared employee values of Knowledge, Respect, and Integrity.

Minimum Qualifications Required. Any combination of training, education, and experience equivalent to graduation from high school or GED. Three years of full-time employment operating heavy vehicles and/or construction equipment.

Energy Resources Assignment: One year of full-time employment with the City of Mesa as a Field Worker II within the Energy Resources Department may be substituted for three years of full-time employment operating heavy vehicles and/or construction equipment.

Special Requirements.

Energy Resources Assignment: Must possess a valid Arizona Class A CDL with no air brake restrictions by hire or promotion date. Must obtain qualification as a gas system operator in accordance with 49 Code of Federal Regulations (CFR) Part 192 within one year of hire or promotion date.

PRCF Assignment: Must possess a valid Arizona Class A CDL by hire or promotion date. Must meet the qualifications to wear a tight-fitting respirator by passing a medical evaluation in accordance with CFR 1910.134 by hire or promotion date and must maintain certification.

Transportation Assignments: Must possess a valid Arizona Class A CDL with tanker endorsement by hire or promotion date. Must meet the qualifications to wear a tight-fitting respirator by passing a medical evaluation in accordance with CFR 1910.134 by hire or promotion date and must maintain certification (***Mainline Paint Striper Assignment***).

Water Resources Assignments: Must possess a valid Arizona Class A CDL with tanker endorsement and no air brake restrictions by application date. Must meet the qualifications to wear a tight-fitting respirator by passing a medical evaluation in accordance with CFR 1910.134 by hire or promotion date and must maintain certification.

Wastewater Collections Assignment: Must possess a Grade I (or higher) Wastewater Collection System Operator certification from the Arizona Department of Environmental Quality (ADEQ) or equivalent certification from another state through reciprocity with Arizona by application date. Certification through reciprocity must be obtained within 3 months of hire or promotion.

Water Distribution Assignment: Must possess a Grade I (or higher) Water Distribution System Operator certification from the ADEQ or equivalent certification from another state through reciprocity with Arizona by application date. Certification through reciprocity must be obtained within 3 months of hire or promotion.

Substance Abuse Testing. This class is subject to Department of Transportation (DOT) Federal Motor Carrier Safety Administration (FMCSA) drug and alcohol testing as outlined in 49 CFR Part 382 (***all assignments***).

Energy Resources Assignment: This class is subject to DOT drug and alcohol testing as outlined in 49 CFR Part 199 for the Pipeline and Hazardous Materials Safety Administration (PHMSA).

Preferred/Desirable Qualifications.

Transportation Assignment: Supervisory experience is preferred. Formal training or certification (example: manufacturer training, etc.) for equipment operation is desirable.

ESSENTIAL FUNCTIONS

One position may not include all of the essential functions, knowledge, and abilities listed, nor do the listed examples include all the knowledge and abilities which may be found in positions of this classification.

Communication: Communicates orally with the general public, other City employees, supervisors, coworkers, and inspectors in order to communicate job progress, problems, answer questions for the public, give directions, explain work situations, and plan work. Produces written documents such as daily work log, time sheets, damage reports, equipment usage sheets, and other department forms in order to complete assignments, maintain proper records, and equipment maintenance records.

Manual/Physical: Operates a variety of moderately complex heavy construction equipment requiring considerable skill to manipulate such as 18-ton hydraulic crane, roller, compactor, gannon, tanker, skid steer with multiple attachments, forklift, genie lift, motor grader, trencher, crane and crane truck, mainline paint striper, vactor truck, easement machine, asphalt paver, skid steer (with milling attachment), conveyor truck, ready mix truck, and back of the slurry truck (pugmill operation), combination high velocity jetter/vactor truck or other related equipment such as backhoe with multiple bucket sizes and dump truck. Operates power-driven machinery such as jackhammer, tamper, power puff tamper, boring machines, tapping machines, hydraulic cutter, and chop saw to cut pipe, tap utility mains, excavate, and compact utility trenches and bellholes. Operates motorized vehicles or pieces of equipment requiring a valid Arizona Class A CDL with required endorsements depending on assignment. Drives a Ford F550 with a thermal-plastic trailer weighing over 10,000 pounds for a GCWR of over 26,000 pounds requiring a Class A CDL. Performs CDL pre- and post-trip inspections. Observes traffic laws and regulations. Performs preventive maintenance, detects needed repairs, and makes necessary adjustments to equipment. Performs minor maintenance on trucks, such as lubricating and inserting grease through zerk fittings as needed. Mixes concrete and pours, tamps, screeds, floats, and trowels concrete for sidewalks, pads, and slabs. Performs unskilled/skilled manual labor when needed. Cleans work area using a broom, shovel, and rake or appropriate tools to maintain work area. Cleans equipment such as hand tools, equipment, and trucks using the appropriate materials (example: water, soap, WD-40, etc.). Moves light objects such as hand tools, work materials, equipment, and piping for distances of up to 100 feet in order to perform daily work assignments. Works with cleaning fluids and agents, paints, or similar solutions such as WD-40 and spray marking paint, using normal or specialized protective equipment in order to accomplish assigned duties. Works in a variety of weather conditions while maintaining public safety and removing hazards. Detects hazardous situations at work (example: hears audible traffic sounds when working near moving traffic and in confined residential areas). Observes, inspects, or monitors conditions to determine compliance with prescribed operating or safety standards. Uses graphic instructions such as maps, blueprints, layouts, schematic drawings, or other visual aids. Utilizes mirrors and/or cameras (if applicable) to detect hazards, pedestrians, wires, other vehicles, etc., while operating equipment. Uses routing tools to complete daily route assignments. This class measures distances to estimate materials to be excavated or replaced (*by assignment*). Operates power-driven machinery such as grinder, jackhammer, tamper, or other similarly-sized equipment to assist crew members in completing tasks. Uses common hand tools such as hammers, saws, screwdrivers, or similar tools. Moves debris, dirt, or other material from one place to another. Uses locating machine to locate utilities from as-built dimensions. Measures distances using a tape measure to measure bellholes, trenches, pipe sizes, etc. Works in small, cramped areas such as bellholes and narrow trenches in order to perform work on the City's gas system. Reaches objects such as tools, material, and equipment at elevated levels in order to perform job assignments. Sets up or removes barricades, traffic cones, flag trees, or traffic control devices to secure work area for employees and public safety. Detects natural gas leaks while performing repair and maintenance functions. Observes, inspects, or monitors objects and conditions of work sites such as trench safety and utility lines to determine compliance with prescribed operating or safety standards to ensure crew and public safety, and to ensure utility lines are excavated without damage. Distinguishes the full-range of the color

spectrum (example: working with electrical wires) in order to check Blue Stake markings. Meets scheduling and attendance requirements.

Mental: Learns job-related material through on-the-job training. Comprehends and makes inferences from written material such as blueprints, drawings, and street signs to complete assignments. Performs tasks in conformance with operations and maintenance manuals and established department procedures. Prioritizes and assigns work to subordinates on crew or may work as crew leader during crew leader absence.

Knowledge/Skill/Abilities:

Knowledge of:

the limitations and general operating procedures of a variety of moderate complexity heavy construction equipment requiring considerable skill to manipulate (example: trencher, crane, mainline paint striper, vector truck, asphalt paver, ready mix truck, skid steer [with milling attachment], conveyor truck, back of the slurry truck [pugmill operation], combination high velocity jetter/vector truck, or other related equipment such as backhoe and dump truck);
the traffic laws, ordinances, and rules involved in a truck operation;
traffic control procedures using barricades and traffic cones;
concrete demolition, removal, repair, rebar replacement, application of curing treatments, expansion joints, form setting, and finishing practices and procedures;
street surfacing materials, including asphalt, other petroleum products, and aggregates, and street paving processes;
the general procedures for installing, maintaining, and repairing gas distribution utility system facilities and equipment;
the safety hazards, procedures, and equipment used when working on or near underground utility lines;
the tools, equipment, materials, and supplies needed for installing, maintaining, and repairing gas distribution utility system equipment and facilities;
the practices and procedures used in installing, maintaining, and repairing water and sewer mains and services; and
the tools, equipment, materials, and supplies needed for installing, maintaining, and repairing water and sewer lines.

Skill in the safe and efficient operation of assigned equipment and the observance of traffic laws and regulations.

Ability to:

operate assigned vehicles and equipment;
perform routine service and minor maintenance on trucks;
read and understand route maps/tools and street signs;
refer customers with questions/concerns or requests for additional information to the department's customer service staff;
read and interpret grade stakes to set forms to proper line and grade;
understand and carry out verbal and written instructions;
detect the need for repairs and make minor repairs to equipment as needed;

work independently in performing regular duties and without supervision on a daily basis and make independent decisions;
 assist in supervising effectively;
 supervise crews and/or contract personnel;
 organize and prioritize daily work;
 keep records and make reports;
 follow established procedures for installing, maintaining, and repairing gas services;
 maintain a safe working environment;
 complete required OSHA/Safety training;
 handle all physical requirements of the class including heavy manual labor;
 follow established procedures for installing, maintaining, and repairing street paving and surfacing materials, including asphalt, other petroleum products, and aggregates;
 follow established procedures for installing, maintaining, and repairing gas services;
 follow safety practices and procedures when operating equipment around multiple utilities, such as water, gas, and electric;
 follow established procedures for installing, maintaining, and repairing water and sewer services; and
 maintain effective working relationships with management, coworkers, and the general public.

The duties listed above are intended only as general illustrations of the various types of work that may be performed. Specific statements of duties not included do not exclude them from the position if the work is similar, related, or a logical assignment to the position. Job descriptions are subject to change by the City as the needs of the City and requirements of the job change.

Revised 01/25 – updates to some assignment areas

MZ/sb/ah

CS4306E.DOCX (Energy Resources)	PAY GRADE: 47	IND-7502
CS4306P (PRCF)	PAY GRADE: 47	IND-9102
CS4306T (Transportation)	PAY GRADE: 47	IND-5506
CS4306W (Water Resources)	PAY GRADE: 47	IND-7520
EEO-SCW		
JOB FCTN-GEN	SWORN-No	
Non-DOT Safety and Security-N	Non-DOT Random-N	
CDL-Y	DOT-Y	
RESP-Y (<i>by assignment</i>)	INCREMENTS 96-200	