

**MONTGOMERY COUNTY GOVERNMENT
ROCKVILLE, MARYLAND
CLASS SPECIFICATION**

**Class Code: 005111
Grade: 17
FLSA:N**

EQUIPMENT OPERATOR III

DEFINITION OF SERIES:

This is semi-skilled and skilled work involving the operation of hand and power tools, heavy equipment, and other vehicles in the repair, maintenance, and construction of highways and roadways in Montgomery County.

DISTINGUISHING CHARACTERISTICS:

This is the advanced journey-level in the Equipment Operator series responsible for the highest level of skilled equipment operation work involving either a gasoline/diesel powered truck tractor with trailer or semi-trailer, and/or the most complex heavy highway construction/maintenance equipment. This classification is distinguished from the Equipment Operator II in that the Equipment Operator III requires a Class A Commercial Driver's License within 6 months of appointment and operates the full range of heavy equipment used in the work.

MAJOR DUTIES:

An employee in this class is responsible for operating either vehicles or wheeled/crawler type traction construction and maintenance equipment, following CDL-mandated checks and procedures, performing driver/operator preventive maintenance tasks, and performing manual labor tasks at job sites when not operating assigned equipment.

EXAMPLES OF DUTIES: (Illustrative Only)

- Operates and performs federally-mandated, manufacturer-recommended and other driver-level general inspections and preventive maintenance tasks on one or more of the following pieces of equipment: tractor trailer with Demo trailer and Low Boy attachments; 3-5 cubic yard track-driven backhoe excavator; G-3 and 4100 series Gradalls; track-driven D-3 and higher rental dozers or equivalent; 10,000 gallon fuel trucks; 45,000-65,000 GVW tandem wheeled dump trucks; 50,000-70,000 GVW tri-axle dump trucks; 47,000 GVW 4x4 dump trucks; 26,000-35,000 GVW dump trucks; 55,000 GVW log truck with crane; 45,000 GVW asphalt distributor; 45,000 GVW asphalt pothole patch truck; catch basin cleaner-flusher truck; asphalt distributor (towed); 1 to 3 cubic yard front end loaders; 3-5 cubic yard front end loaders; 1½-2 cubic yard backhoe; 6-10 ton steel wheeled roller; 4-6 ton vibratory and non-vibratory rollers; skid loaders with attachments (including but not limited to the backhoe, sweeper and paving profiler); pavement saw, tractor mowers, box pavers; full-size asphalt paver; wood chippers; Motor Grader G-12 or 120H series; aerial bucket truck; and other types/makes of equipment.
- Mechanically and manually loads, secures, and unloads cargo and equipment, complying with federal motor carrier and state requirements.
- Instructs lesser skilled employees, lower-level employees, and/or temporary employees in the legal, effective, and safe operation of vehicles/equipment.

- Participates in seasonal activities such as snow and ice removal, including making and applying salt brine, safely installing and operating the blade attachment, and calibrating and effectively running the Leaf Vacuuming Program including inspecting the “leafer” for operational soundness and transporting the “leafer”.
- Oversees contractors for seasonal work.
- Shoots grades ((testing elevation for levelling and sloping) using a transit and/or other appropriate equipment.
- Performs unskilled and semi-skilled manual labor work as an integral member of a crew such as raking and luting asphalt, rough concrete finishing, and related duties; this includes use of power saws, chainsaws, plate tampers, cutting torches & welders, power pole saws, concrete-finishing tools, etc.
- Responds to and addresses a variety of weather-related, emergencies, or similar issues, such as downed trees, clogged storm drains, accidents, and similar urgent situations.
- Orders materials in support of specialized equipment, maintains Federally required interstate travel logs, develops optimal routing plans for specialized service equipment and obtains State/Interstate hauling permits.
- May temporarily supervise other employees in absence of supervisor.
- May perform small engine repair and maintenance and other tasks, as assigned.
- Uses assigned hardware and specialized and general software.
- Performs related duties as required.

SUPERVISORY CONTROLS:

Work is normally received from a supervisor, dispatcher, or trip ticket; general information such as job site and work to be done is provided, however, the employee is expected to exercise judgment regarding how best to operate assigned vehicle/equipment based on task at hand, and may give directions and instructions to other employees. Work is generally performed according to established procedures and guidelines, but employees are expected to independently adjust for unusual and unexpected situations, and site conditions. The employee may be tasked with supervising other staff in the absence of the supervisor.

SUPERVISION EXERCISED: Employees in this classification may lead lower-level positions.

GUIDELINES:

The procedures for performing the work are well established, however, the employee is expected to exercise judgment regarding selection of vehicle driving routes, how best to load and to secure cargo, safety requirements, operating construction/maintenance equipment based on the task at hand, sometimes giving directions/instructions to support employees.

COMPLEXITY:

The complexity of this class is characterized by the special need to determine the limits of excavation or adjust operations in accordance with buried or overhead utilities plus the regular need to obtain hauling permits, maintain interstate travel logs, determine local routing for tractor-trailer of over-weight and over-size equipment and other tasks typically residing in this class. While work often has established steps, processes and procedures, the employee is required to analyze information and adjust operations

and activities to ensure safety and serve as the reasonable person per OSHA directives, as well as exercise a judgment to adjust to various situations such as traffic, road conditions, utility lines, weather conditions, etc.

SCOPE AND EFFECT:

Work performed by employees in this classification requires the safe and effective operation and maintenance of heavy equipment and power equipment. Employees independently perform a variety of highway and roadway related repair, maintenance, and construction activities, as well as responding in urgent and/or emergency situations, including in adverse conditions, to maintain clear roadways and highways for the public. Work ensures that roadways and highways remain functional and accessible.

CONTACTS:

Contacts are generally limited to the crew, in which the position is assigned, receiving and providing instructions and information.

PUBLIC SERVICE /ASSISTANCE:

This class of work may entail some public service/assistance, but it is incidental to the primary focus of the work performed.

HAZARDS:

Employees are regularly exposed to severe weather, adverse road/driving conditions, grease, dirt, asphalt, and other bituminous products, noxious or malodorous fumes, high levels of dust and similar unpleasantness and discomforts as well as risks from moving vehicles and machinery and other traffic and construction hazards. Regular use of safety equipment is essential; special safety precautions safeguard the worker and others.

MINIMUM QUALIFICATIONS:

Education: Ability to read and write in English and carry out oral and written instructions.

Experience: One (1) year of experience operating equipment equivalent to that listed in the Equipment Operator II class specification.

Substitution: None

Equivalency: None

Knowledge, Skills, and Abilities:***Thorough Knowledge of:***

- Knowledge of and skill in effectively and safely operating and performing operator-level general inspections and preventive maintenance tasks on the vehicles/equipment assigned. This includes full performance level knowledge of the height, width, length, weight, capacities, and capabilities of the full range of assigned vehicles/equipment in order to skillfully judge overhead and side clearances, turning radius, braking distance, etc. and of applicable Motor Vehicle Administration and highway regulations for safe, legal operation of the vehicles/equipment used.

- Knowledge of and skill in using power take-off to safely transfer power to the various working aspects of the equipment's components and to ably use the levers, buttons, and pedals to smoothly control them.
- Knowledge of and skill in legally, effectively, and safely loading, securing, and transporting cargo to prevent shifting/departing.
- Knowledge of and skill in legally, effectively, and safely rigging vehicles, loads and products for towing.
- Knowledge of principles, practices, and procedures related to safe work practices, including those related to confined space, traffic control, trench safety, personal protection equipment, and chainsaw use.

Skill In:

- Safely operating assigned vehicles/heavy equipment, towed units, and other miscellaneous equipment to prevent equipment damage and/or personal injury.
- The operation of small equipment such as forklifts, woodchippers, tow-behind trailers, commercial mowing equipment, rollers, tampers, liquid asphalt applicators, air compressors, large pumps, chainsaws, lifting cables, arrow panels, variable message signs, concrete sidewalk grinders, vacuum leafers, concrete mixers and other similar equipment.

Ability to:

- Safely operate and perform operator level general inspections and preventative maintenance tasks on assigned vehicles and equipment.
- Ability to understand and effectively carry out verbal and written instructions.
- Read, understand, and apply technical plans.
- Ability and willingness to perform work for prolonged periods in severe weather and under adverse road conditions.

Licenses, Registrations, Certifications, or Special Requirements:

Possession and maintenance at all times of a valid Class A (or equivalent) Commercial Driver's License (CDL) from the applicant's state of residence, with endorsements, or possession of same within six months of appointment/promotion to the position.

Work Environment:

The operator works outdoors, mounted inside vehicle cabs and atop open vehicles and dismounted, and is regularly exposed to severe weather, adverse road/driving conditions, grease, dirt, asphalt, and other bituminous products, noxious or malodorous fumes, high levels of dust and similar unpleasantness and discomforts as well as risks from moving vehicles and machinery and other traffic and construction hazards. Regular use of safety equipment is essential; special safety precautions safeguard the worker and others.

Physical Demands:

Light to moderate physical effort is continuously used in reaching, bending, turning, and otherwise positioning self to ensure good vision of work objects and in using hands, arms, feet, and legs in concert to operate hand and foot controls. Moderate to significant physical effort is regularly required to rig and secure cargo and equipment using heavy chains, bars, hooks, etc. and perform manual labor tasks on

vehicle and as part of a dismounted work crew. Employees regularly perform tasks that include pushing, pulling, lifting, and carrying materials weighing up to 100 pounds, as well as occasionally transporting heavy loads over rough, uneven, or rocky surfaces, or pushing, pulling, and lifting objects and tools weighing over 100 pounds. On occasion, heavy physical effort is required.

PROBATIONARY PERIOD:

Individuals appointed to a position in this class will be required to serve a probationary period of six (6) months, during which time performance will be carefully evaluated. Continuation in this class will be contingent upon successful completion of the probationary period.

BARGAINING STATUS: Positions assigned to this class are normally in the Service, Labor, and Trades (SLT) bargaining unit.

MEDICAL PROTOCOL: Core II Exam.

PROMOTION POTENTIAL: None

CLASS SPECIFICATION HISTORY:

Class Established: January 1974

Revised: December 1984

Classification Study: May 1991 (M)

Classification Study: December 2000 (M)
September 2009

August 2013

Classification Study: June 2024