

Heavy Highway Job Classification Definitions

Department of Labor's Wage Decision format

Cement Mason/ Concrete Finisher	Finishes the exposed surfaces of fresh concrete paving, median barrier and every element of concrete structures to the final trowels. Forms and finishes edges and joints. Finishes concrete curbs and gutters. Finishes exposed surfaces of concrete after forms have been removed by patching imperfections with fresh concrete. Performed other related duties.
Electrician	Plans and directs the layout of metal electrical conduit, installs wiring systems, switch panels, buss bars; works on overhead distribution systems and underground distribution systems. Performs other related duties.
Form Builder / Form Setter:	
Paving & Curb	Fits together, aligns and sets to grade metal and wooden forms for placement for concrete paving and curbs. Works to set stringline for paving, curb and gutters forms. Performs other related duties.
Structures	Works from plans to build, assemble, fit together, align, plumb and set in place forms form molding concrete structures. Forms may be wood, steel, aluminum, fiberglass or any type of material. May install precast concrete elements. Performs other related duties.
Laborer:	
Asphalt Raker	Distributes asphaltic materials evenly over road surface by raking and brushing material to correct thickness; may control screed to regulate width and depth of materials; may direct laborers when to add or take away material to fill low spots or to reduce high spots.
Flagger	Directs traffic in or around a construction site. May use signs or devices to direct traffic. May help assemble position and clean devices or equipment used to direct traffic.
Laborer, Common	Works with all crews doing everything from pick and shovel work to cleaning up lumber with a hammer, shoveling and placing concrete, cleans concrete joints and fills joints with sealing compound, unloads and transports reinforcing steel, works with dirt crew keeping construction layout stakes out of the way of dirt moving equipment. May use power tools and other necessary equipment in demolition work. Does not ordinarily perform work permitting exercise of independent judgment or without close direction by other workers. Usually an entry level position as the first step to learn a skill. Performs other related duties.

Laborer, Utility	Performs a variety of manual duties, usually working in a utility capacity by working on multiple projects and tasks where demands require workmen with varied experience and ability to work without close direction. Use power tools and air tools. Performs other related duties.
Pipelayer	Installs concrete, clay, steel, plastic, corrugated pipe and any other type of pipe for storm drainage, water lines, gas lines and sanitary sewer lines. Performs other related duties.
Work Zone Barricade Services	Fabricates, erects and maintains temporary traffic control devices, including arrow boards, signs, barricades, channelizing devices, barrels and all message boards,. May operate a truck during traffic control operations.
Painter (Structures)	Paints and stains structural steel and concrete surfaces of bridges, retaining walls or other structures. Performs other related duties.
Power Equipment Operator:	
Agricultural Tractor	Operates a gasoline or diesel powered agricultural tractor that tows compaction rollers, disc plow, water tanks, scrapers and other similar operations. May use other miscellaneous attachments. May oil, grease or otherwise service and make necessary adjustments to equipment, as needed. Performs other related duties
Asphalt Distributor	Drives distributor truck, sets spray bars and operates valves and levers to control distribution of bituminous material for highway surfacing. May oil, grease or otherwise service and make adjustments to equipment, as needed. Performs other related duties.
Asphalt Paving Machine	Operates paving machine that spreads and levels asphaltic concrete on highway subgrade. Controls movement of machine, raises and lowers screed, regulates width of screed. May oil, grease, service and make adjustments to equipment as needed. Performs other related duties.
Boom Truck	Drives a single or tandem axle truck equipped with a hydraulic telescopic or articulated boom for picking up various objects. Operates boom in accordance with signals from ground. May require CDL license for highway use. May service and make necessary adjustments for proper operation of equipment. This classification used only when boom is operated; otherwise operator should be classified under appropriate truck driver classification. Performs other related duties.
Broom or Sweeper	Operates a self-propelled machine to sweep and clean roadway surfaces. May oil, grease, service and make adjustments to equipment, as needed. Performs other related duties.
Concrete Pavement Finishing Machine	Operates self propelled machine(s) which may or may not travel on paving forms, spreading and leveling fresh concrete to grade by use

of augers and screeds. May oil, grease, to otherwise services and make adjustments to equipment, as necessary.

**Crane, Hydraulic
80 tons or less** Operates a hydraulic telescoping boom type crane to hoist and move materials, raise and lower heavy weights and perform other related operations. May be crawler type or rubber-tired. May oil, grease or otherwise service and make necessary adjustments to equipment, as needed. Performs other related duties.

**Crane, Lattice Boom
80 tons or less** Operates a lattice boom type crane to hoist and move materials, raise and lower heavy weights and perform other related operation. May be crawler type or rubber-tired. May include placement of rock riprap, clamshell, dragline, pipe and pile driving operations. May oil, grease or otherwise service and make necessary adjustments to equipment, as needed. Performs other related duties.

**Crane, Lattice Boom
over 80 tons** Operates a lattice boom type crane to hoist and move materials, raise and lower heavy weights and perform other related operation. May be crawler type or rubber-tired. May include placement of rock riprap, clamshell, dragline, pipe and pile driving operations. May oil, grease or otherwise service and make necessary adjustments to equipment, as needed. Performs other related duties.

Crawler Tractor Operates a crawler tractor with a bulldozer mounted in front of chassis to level, distribute and push earth or other material. May operate a ripper attachment to break up rock or other hard material. May use a push block on front of tractor to push load scrapers. May oil, grease or otherwise service and make minor repairs to equipment, as needed.

**Directional
Drilling Locator** Assists directional drilling operator in machine setup. Operates locating equipment under direction of the operator. May oil, grease or otherwise service or make necessary adjustments to equipment, as needed.

**Directional
Drilling Operator** Operates a directional drilling machine that drills holes through dirt or rock with a directional locating beam and directional steering capabilities. Machine may utilize various steering head tools to control the direction of the drill. Controls speed of drilling, drilling fluid characteristics and pullback of pipe being installed. May oil, grease or otherwise service and make necessary adjustments to equipment, as needed.

**Excavator
50,000 lbs or Less** Operates a crawler or rubber-tired machine mounted with an excavator bucket. Used for excavating ditches and structures, laying pipe and precast concrete structures, loading trucks and placing rock riprap. May also be equipped with various hydraulic attachments. May oil, grease or otherwise service and make necessary adjustments to equipment, as needed.

Excavator Operates a crawler or rubber-tired machine mounted with an

- over 50,000 lbs** excavator bucket. Used for excavating ditches, structures and mass excavations, laying pipe and precast concrete structures, loading trucks and placing rock riprap. May also be equipped with various hydraulic attachments. May oil, grease or otherwise service and make necessary adjustments to equipment, as needed.
- Foundation Drill, Truck Mounted** Operates a hole-drilling machine that is crawler or truck mounted. May include geotechnical operations such as soil nails, rock nails, tiebacks, anchors or jet grouting.
- Front End Loader, 3 CY or Less** Operates a rubber-tired, skid steer, or crawler type tractor with an attached scoop type bucket on front end. Machine is used to load materials from stockpiles, excavation, charging batch plants, loading and unloading trucks. May be used with attachments in lieu of the bucket. May oil, grease or otherwise service and make necessary adjustments to equipment, as needed. Performs other related duties.
- Front End Loader, Over 3 CY** Operates a rubber-tired, skid steer, or crawler type tractor with an attached scoop type bucket on front end. Machine is used to load materials from stockpiles, excavation, charging batch plants, loading and unloading trucks. May be used with attachments in lieu of the bucket. May oil, grease or otherwise service and make necessary adjustments to equipment, as needed. Performs other related duties.
- Loader / Backhoe** Operates machine mounted with a backhoe bucket on one end and a loader bucket on the other end. Used for excavating ditches and structures, laying pipe and precast concrete structures, carrying material in the loader bucket, and general excavation and backfill. May also be equipped with hydraulic attachments. May oil, grease or otherwise service and make necessary adjustments to equipment, as needed.
- Mechanic** Assembles, set up, adjusts and maintains and repairs all types construction equipment and trucks. May perform the duties of a welder in repair of equipment.
- Milling Machine** Operates power-driven milling machine that planes material of the roadbed and discharges the material into a hauling unit or a window.
- Motor Grader, Fine Grade** Operates motor grader. Performs many of the same duties of Motor Grader-Rough, but in addition performs finish grade work to bluetops or other close specification control. This work is subject to strict inspection and must conform closely to specifications.
- Motor Grader, Rough** Operates motor grader. Equipment is used to grade excavation and embankment and to lay asphalt, base and other materials. May blade haul roads and do other general motor grader work, but does not perform finish grade work to close specification tolerances. This operator may be a learner in the first phase of learning the skills of motor grader work.

Pavement Marking Machine	Operates a machine used in laying paint stripes or markers on all types of paving. Loads machine with appropriate materials and may walk or ride on machine.
Reclaimer / Pulverizer	Operates a machine that pulverizes material of the road bed and may mechanically mix it with asphalt, cement, or other stabilizing materials.
Roller, Asphalt	Operates a self-propelled machine with either steel wheels or pneumatic tires which is used to compact and smooth all bituminous materials.
Roller, Other	Operates a self-propelled machine with either steel wheels or pneumatic tires which is used to compact earth fills, subgrade, flexible base and all other types of materials except bituminous.
Scraper	Operates a self-contained wheeled tractor scraper both self-loading or assisted by crawler tractors or other scrapers. Used to excavate and transport earth or other materials.
Spreader Box	Operates spreader box by adjusting hopper and strike-off blade so that gravel, stone or other material may be spread to a specific depth on road surface during seal coat and surface treatment operations.
Trenching Machine, Heavy	Operates a machine that digs trenches for sewer, underground cable, underground pipes for electrical communication, water, drainage, oil and gas and other pipe lines. The heavy trenching machine excavates trenches more than 5 feet in depth, and is mounted on crawler treads with the digging equipment usually consisting of an endless chain or wheel of edged buckets or other cutting devices that excavate and discharge the material at the side of the trench.
Servicer	Drives a truck which carries various fuels, oils, greases and filters.
Steel Worker:	
Reinforcing	Works from plans to lay out and install reinforcing steel within forms or in mats of concrete paving. May install miscellaneous materials integral to concrete structures or paving. Performs other related duties.
Structural	Erects and places fabricated structural steel members, such as girders, plates, diaphragms, lateral bracing and unites them permanently to form a completed structural steel unit. Performs other related duties.
Traffic Signal Installer:	
Traffic Signal / Light Pole Worker	Sets forms, reinforcing steel, anchor bolts and pours/finishes concrete for traffic signal and light pole foundations. Assembles, erects, and plumbs traffic signal and light pole structures by bolting and other means. Installs signal spans, signal heads, signal detection, and lights on equipment. Installs cabling and wiring in signal and light poles, on

signal and light spans and underground raceway systems. Properly identifies and terminates cables and wiring to appropriate equipment. Installs signal controllers and service equipment. Tests and troubleshoots system for proper operation.

Truck Driver:

- Lowboy-Float** Drives a tractor to which is attached a trailer upon which heavy equipment is hauled. Driver is often required to operate heavy equipment to load or unload the lowboy. May require CDL license for on-highway use. May service and make necessary adjustments for proper operation of equipment.
- Off Road Hauler** Drives an off road hauler loaded by another machine, mounted on wheels, that transports earth or other materials. May also operate an off road water tanker. May oil, grease or otherwise service and make necessary adjustments to equipment, as needed.
- Single Axle** Drives a light capacity truck for transporting loads of construction material. The truck is of single rear axle type, may have various kinds of beds attached such as dump, flat bed, tank, etc. May require CDL license for driving on highway. May service and make necessary adjustments for proper operation of equipment.
- Single or Tandem Axle Dump Truck** Drives a heavy duty powered dump truck used in hauling materials. Hauls dirt, rock, aggregates, non-agitated concrete or other material. May also be used for operation of water trucks. May require CDL license for on-highway use. May service and make necessary adjustments for proper operation of equipment.
- Tandem Axle Tractor w/Semi Trailer** Drives a tractor pulling a semi trailer hauling materials. Hauls dirt, rock, aggregates or other material. May require CDL license for on-highway use. May service and make necessary adjustments for proper operation of equipment.
- Welder** Operates welding equipment. Cuts, lays out, fits and welds metals or alloyed metal parts to fabricate or repair equipment. Welds the joints between lengths of pipe for oil, gas or other types of pipelines. Welds structural steel girders and diaphragms.