

STATE OF NEBRASKA
DEPARTMENT OF ROADS

STANDARD LABOR CLASSIFICATIONS
AND
DESCRIPTIONS
FOR
HIGHWAY CONSTRUCTION

SEPTEMBER 1, 1996

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Individual Crafts

Carpenter

Perform wide variety of duties, including working from plans and building in place of prefabricating units of wood, timber or steel forms. Frequently supervises placing of steel, structural or reinforcing. May perform other related duties.

Cement Finisher

Finishes fresh concrete in structures, roads, curbs, gutters, sidewalks and similar surfaces to desired grade, contour and texture by use of steel trowels and wooden floats. May use mechanical finishing tools. May form and finish edges and joints. Is assisted by laborers in striking off, leveling and bullfloating. May perform other related duties.

Electrician

Makes all wiring connections for lighting, traffic signals and controller installations. May use all tools of the trade and perform other related duties.

Flaggers

Acts as flagperson or may be a pilot vehicle driver to direct traffic through or around construction areas. May perform other traffic control related duties.

Form Setter

Places and removes forms used in construction of concrete structures. Checks placement for desired grade and alignment before and during pour. Sets curb, curb and gutter and paving forms to line and grade. May make alternations and repairs. Is assisted by laborers. May perform other related duties.

Laborers

Duties include but are not limited to the following tools and tasks: pick and shovel, raking and shoveling asphalt, spreading and handling concrete, operating manual bullfloats and screeds, bushing, grouting, patching, and rubbing concrete structures, assisting carpenters, and form setters with

materials, plus hammering and sawing; dismantling or wrecking and removing concrete forms, clearing and grubbing, flagging and directing traffic.

The duties also include tying reinforcing steel under supervision of a foreman, carpenter; carrying, cutting and bending reinforcing steel and wire mesh.

A laborer also lays drainage, irrigation, sewer pipe, conduit, and all temporary lines, such as water, steam, air, gas, etc. A laborer lays permanent water and sewer lines, including cast iron, steel and all other types of pipe for this purpose.

A laborer operates air compressors, pumps, batching bins and small power machines and tools (with mass less than 450 kg) which are incidental to labor work such as air tools or internal combustion engines, or electric tools which perform the same work as air tools, small light plants, concrete mixers for mixing grout, vibrators, spray machines, chain saws, earth drills, power buggies, etc. A laborer may operate scales used to weigh materials and may make weight tickets and related records.

A laborer also may paint guard rail, timber bridges, bridge handrail, steel sheet and bearing piling, and other similar appurtenances.

Manhole Builder

Constructs a means of permanent access to water and sewer lines for maintenance purposes, such as manholes, junction boxes, inlets, and rough masonry work for revetments, ditch checks and ditch linings. May apply coating of concrete to interior and exterior surfaces. May be assisted by laborers. May perform other related duties.

Mechanic

Assembles, adjusts, maintains and repairs all types of construction equipment. May perform the duties of a welder or other craftsman in the repair of equipment. May perform other related duties.

Painter

Paints structural steel framework of bridges and other portions of structures requiring painting, including bridge handrail, steel sheet and bearing piling, and other similar appurtenances. May be assisted by laborers. May perform other related duties.

Pile Driver Leadworker

Rigs pile driving equipment and guides hammer and follower on to pile head. May operate jetting equipment. May perform other related duties.

POWER EQUIPMENT OPERATORS:

Asphalt Distributor

Drives truck equipped with a tank for spraying asphaltic oil, or bituminous emulsions on road surfaces or slopes. Fills tank, regulates burner, adjusts valves, pump and spray bars. May oil, grease or otherwise services and make necessary adjustments and repairs to machine. May perform other related duties.

Asphalt Paving Machine

Operates asphalt paving machine, manipulates levers to control movements of machine, which spreads and levels asphaltic concrete. May oil, grease or otherwise service and make necessary adjustments and repairs to machine. May perform other related duties.

Asphalt Paving Machine, Screed

Regulates screed and may perform same duties as operator, but under supervision of operator.

Asphalt Roller, Self-propelled

Operates self-propelled machine used to compact and smooth plant mixed bituminous road surfaces. May oil, grease or otherwise service and make necessary adjustments or repairs to machine. May perform other related duties.

Concrete Finishing Machine or Slip Form Paver

Operates finishing machine or spreader straddling the fresh concrete. Adjusts attachments to produce desired surface. May include operation of attached equipment for mesh placement, vibrating, texturing, and curing. May oil, grease or otherwise service and make necessary adjustments and repairs to machine. May perform other related duties.

Concrete Saw Operator

Operates power saw with one or more diamond or other abrasive blades to saw concrete, asphalt, or other paving. May oil, grease, or otherwise service and make necessary repairs to machine. May perform other related duties.

Concrete Cure Machine

Operates separate machine or power equipment used in the application of liquid curing compound to concrete pavement surfaces. May oil, grease or otherwise service and make needed adjustments and repairs to equipment. May perform other concrete finishing related duties.

Concrete Texture Machine

Operates separate machine used in the texturing or tining of concrete pavement surfaces. May oil, grease or otherwise service and make needed

adjustments and repairs to equipment. May perform other concrete finishing related duties.

Bulldozer or Push Tractor (less than 86 kw)

Operates a tractor of less than 86 kw equipped with bulldozer blade or push plate. May oil, grease or otherwise service and make needed adjustments and repairs to equipment. May perform other related duties.

Bulldozer or Push Tractor (86 kw and over)

Same duties as less than 86 kw operator, except tractor is 86 kw and over.

Material Stockpiler

Operates loader or dozer and/or other related equipment for stockpiling of material aggregates. May oil, grease or otherwise service and make necessary adjustments or repairs to equipment. May perform other related duties.

Motor Grader (Finisher)

Operates motor grader to fine grade for pavement, level dirt, strip, maintain haul roads, windrow, mix, aerate and assist on laydown of asphalt and base materials and similar operations. May oil, grease or otherwise service and make necessary adjustments or repairs to equipment. May perform other related duties.

Motor Grader (Rough)

Operates motor grader to level dirt, strip, maintain haul roads, windrow, mix, aerate and assist on laydown of asphalt and base materials and similar operations. May oil, grease or otherwise service and make necessary adjustments or repairs to equipment. May perform other related duties.

Power Broom

Operates machine used to clean pavement surfaces. May oil, grease or otherwise service and make needed adjustments and repairs to equipment. May perform other related duties.

Roller or Compactor (Earthwork) Self-propelled

Operates self-propelled equipment, or a tractor with integrated or towed compacting equipment, used to compact all types of materials except asphaltic concrete surface courses. May oil grease, or otherwise service and make repairs to equipment. May perform other related duties.

Scraper (Under 10.7 m3)

Operates tractor pulling carryall scraper or operates self-contained or integrated scraper unit with a capacity or under 10.7 m3. May oil, grease or otherwise service and make necessary adjustments and repairs to equipment. May perform other related duties.

Scraper (10.7 m3 and Over)

Perform same duties of operator of scraper under 10.7 m3 except that capacity is 10.7 m3 and over.

Traveling Plant (Stabilization)

Operates self-propelled traveling plant that pulverizes and/or mixes material of or for roadbed with asphalt, water, cement or other stabilizing material. May oil, grease or otherwise service and make necessary adjustments and repairs to equipment. May perform other related duties.

Water Tanker (Less than 23 kL)

Operates water tanker less than 23 kL capacity. May oil, grease or otherwise service and make necessary adjustments and repairs to equipment. May perform other related duties.

Water Tanker (23 kL and Over)

Operates water tanker 23 kL and over. May oil, grease or otherwise service and make necessary adjustments and repairs to equipment. May perform other related duties.

All Purpose Spreader

Operates self-propelled machine which deposits and spreads material on road surface, in trench, or on road shoulder. May oil, grease or otherwise service and make necessary adjustments and repairs to machine. May perform other related duties.

Clamshell, Dragline, Crane, Pile Driver, or Shovel

Operates any of above track type or rubber tired equipment. May oil, grease or otherwise service and make necessary adjustments and repairs to equipment. May perform other related duties.

Backhoe Excavator (tracktype)

Operates track type backhoe excavator. May oil, grease or otherwise service and make necessary adjustments and repairs to equipment. May perform other related duties.

Dredge Pump

Operates and makes minor repairs to dredge type pumping equipment. Starts power unit. Operates and maintains suction pump and line that sucks up material through an intake pipe line and ejects it through a discharge pipe. May be assisted by laborers. May perform other related duties.

Front End Loader (4 m3 or Less)

Operates tractor front end loader with a maximum capacity of 4 m3 for excavating, handling, or loading materials. May oil, grease or otherwise service and make necessary adjustment or repairs to equipment. May perform other related duties.

Front End Loader (Over 4 m3)

Same duties as 4 m3 or less operator, except capacity is over 4 m3.

Hydrohammer

Operates hydraulic driven hammer used to drive posts, break concrete or etc. May oil, grease or otherwise service and make necessary adjustments and repairs to equipment. May perform other related duties.

Loader Backhoe (Rubber-Tired)

Operates farm type tractor with fixed backhoe attachment operated from tractor. May oil, grease or otherwise service and make necessary adjustments and repairs to machine. May perform other related duties.

Power Grade Machine (Trimmer and Profiler)

Operates machine with power unit which, by the use of a grade-reference system, mechanically trims the subgrade, foundation or base course to the elevations or section specified, operates machine used to scarify and remove materials from bridge decks or pavement surfaces. May oil, grease or otherwise service and make necessary adjustments to equipment. Performs other related duties.

Skid Steer Loader (Bobcat)

Operates skid steer loader with fixed attachments for excavating, handling, or loading materials. May oil, grease or otherwise service and make necessary adjustments or repairs to equipment. May perform other related duties.

Tractor (Farm Type)

Operates farm type tractor less than 86 kw to tow agricultural and construction equipment without power control units operated from tractor. May oil, grease or otherwise service and make necessary adjustments and repairs to machine. May perform other related duties.

Trenching Machine

Operates power-driven wheel or chain-type trenching machine. May oil, grease or otherwise service and make necessary adjustments and repairs to machine. May perform other related duties.

Stationary Plant (Base or Stabilization)

Supervises, directs and controls the operation of a plant producing base or foundation course materials. Responsible for the adjustment and setting of gates, scales, pumps or other devices which control the preparation of the various materials incorporated in the finished product. May physically operate any component part or unit of the plant. May service and make necessary adjustments or repairs to plant equipment, and perform other related duties.

Stationary Plant (Asphalt or Concrete)

Supervises, directs and controls the operation of a plant proportioning and/or mixing portland cement concrete, or a plant producing asphaltic concrete. Responsible for the adjustment and setting of gates, scales, pumps or other devices which control the preparation of the various materials incorporated in the finished product. May physically operate any component part or unit of the plant. May service and make necessary adjustments or repairs to plant equipment, and perform other related duties.

Crusher (Including Those With Integral Screening Plant)

Operates plant including crusher and/or screens and conveyors to crush rock, gravel or other material. May oil, grease or otherwise service and make necessary adjustments and repairs to machine. May perform other related duties.

TRUCK DRIVERS:

Single Axle

Drives single-rear-axle-type truck which may have various kinds of beds attached such as dump, flat, tank, etc. Work includes loading and unloading materials. May oil, grease or otherwise service and make necessary adjustments and repairs to vehicle. May perform other related duties.

Tandem Axle

Drives tandem-rear-axle-type truck which may have various kinds of beds attached such as dump, flat, tank, etc. Work includes loading and unloading materials. May oil, grease or otherwise service and make necessary adjustments and repairs to vehicle. May perform other related duties.

Semi-Trailer or Lowboy

Drives truck tractor pulling a semi-trailer which may have various kinds of beds attached. Work includes loading and unloading material or equipment. May oil, grease or otherwise service and make necessary adjustments and repairs to vehicle. May perform other related duties.

Transit Mix

Drives truck on which is mounted a concrete mixer. Operates mixer and assists in loading and unloading. May oil, grease or otherwise service and make necessary adjustments and repairs to vehicle. May perform other related duties.