

JOB TITLE: Equipment Operator
EMPLOYEE:
VRC: Kyle Pletz

DOT #: 859.683-014
CLAIM #



KING COUNTY ON SITE JOB ANALYSIS

JOB TITLE Equipment Operator

JOB CLASSIFICATION Equipment Operator

DOT TITLE Heavy Equipment Operator

DOT NUMBER 859.683-014

DEPARTMENT Transportation

DIVISION Roads

OF POSITIONS IN THE DEPARTMENT WITH THIS JOB TITLE 41

JOB STATUS

Full Time, Career Service.

ADDRESS OF WORKSITE

155 Monroe Avenue North
Renton, WA 98056-3819

CONTACT'S NAME Allan Momohara, Lindy Jenson and Jerry Tracy.

CONTACT'S PHONE 206-205-7084, 206-296-8293 and 206-296-8179.

EMPLOYER JOB TITLE Supervisor

DATE COMPLETED 2/27/03

VRC NAME Jeff Casem

DATE REVISED 5/12/09

WORK HOURS

8 hours per day five days per week, 7:00am-3:30pm during winter months. 10 hours per day Monday through Thursday 6:00am-4:30 during summer months.

OVERTIME

Required on an emergency basis.
Fair Labor Standards Act Non-Exempt (hourly).

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JOB DESCRIPTION

Operating motorized equipment to construct and maintain King County rights of way, facilities and structures.

ESSENTIAL ABILITIES FOR ALL KING COUNTY JOB CLASSIFICATIONS

1. Ability to demonstrate predictable, reliable, and timely attendance.
2. Ability to follow written and verbal directions and to complete assigned tasks on schedule.
3. Ability to read, write & communicate in English and understand basic math.
4. Ability to learn from directions, observations, and mistakes, and apply procedures using good judgment.
5. Ability to work independently or part of a team; ability to interact appropriately with others.
6. Ability to work with supervision, receiving instructions/feedback, coaching/counseling and/or action/discipline.

JOB SPECIFIC REQUIREMENTS

Knowledge of driving laws, traffic control methods, automotive systems, Seattle/King County roadways and surrounding street system, operational manuals, road building materials, road conditions and routes and basic survey principles. Must also have knowledge of and ability to apply construction safety principles and practices as well as knowledge of federal, state, county and local environmental regulations related to the work. Must possess skills in communications (oral and written), customer service, defensive driving and skill in heavy equipment operations as well as skill and mechanical aptitude in use and care of tools and equipment. Must have familiarity with and skill in using small hand tools as well as skill in operating equipment in high-density traffic under adverse weather conditions. Must have a Washington State Driver's License, Commercial Driver's License class B with air-brake endorsement and Washington State Department of Transportation medical card as well as certification from the Solid Waste Association of America (SWANA) or other specialized certifications or licenses (some positions).

ESSENTIAL FUNCTIONS Listed in order of importance

1. Operate motorized equipment such as grader, backhoe, loader, compactor, bulldozer, excavator, scraper, roller, forklift, paving machine, sweeper and mower. Operate equipment to grade, spread, sweep, remove, mow, dig, ditch, build, cut, load, clean, lift, pave or apply various materials.
2. Respond to on-site accidents, emergencies and hazardous spills to assess immediate concerns and respond to them with equipment.
3. Monitor, control and direct activities at job site; control flow and sequence of trucks dumping; direct customers to appropriate areas.
4. Perform visual safety inspection of vehicle, check and correct fluid levels and tire pressure, refuel vehicles, maintain vehicle cleanliness and perform pre-trip inspections.

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5. Identify potentially hazardous or unacceptable materials at job site and coordinate proper disposal.
6. Determine work duties and assign to crew as needed; determine types and quantities of materials needed.
7. Inform, direct, monitor and control public customers and vendors.
8. Identify work duties and assign to crew.
9. Identify staffing needs, coordinate special projects.
10. Stockpile and organize road construction materials.

TOOLS, MACHINES, EQUIPMENT, PRODUCTS, AND SERVICES USED

Two-way radio, hearing protection, pager, telephone, various hand tools, grease gun, cleaning equipment, shovel, County vehicle (pickup truck), laser level, fuel pump, jump tank, motorized cart, grader, track hoe, backhoe, loader, compactor, bulldozer, excavator, scraper, roller, forklift, paving machine, sweeper and mower.

PHYSICAL DEMANDS AS JOB IS TYPICALLY PERFORMED

Continuously = occurs 66-100% of the time

Frequently = occurs 33-66% of the time

Occasionally = occurs 1-33% of the time

Rare = may occur less than 1% of the time

Never = does not ever occur (such demands are not listed)

This job is classified as

Medium

Standing

Frequently on metal, dirt, gravel, cement, mud and uneven surfaces for up to 45 minutes at a time for up to 8 hours total in a work shift. Most commonly occurs while operating the paver machine and inspecting work sites.

Walking

Occasionally on metal, dirt, gravel, cement, mud and uneven surfaces for distances of up to ½ mile for up to 15 minutes at a time for up to 3 hours total in a work shift. Most commonly occurs while inspecting work sites, dumping loads and retrieving tools from the County vehicle as well as traversing to and from the work site.

Sitting

Continuously on an automobile or machinery seat for up to 2 hours at a time for up to 8 hours total in a work shift. Most commonly occurs while operating motorized cart, grader, backhoe, loader, compactor, bulldozer, excavator, scraper, roller, forklift, paving machine, sweeper and mower.

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Climbing stairs

Occasionally for up to 10 seconds at a time while climbing up to 4 steps for up to 10 minutes total in a work shift. Most commonly occurs while entering and exiting office buildings and heavy equipment as well as traversing over curbs.

Climbing

Occasionally to heights of 6 feet for up to 1 minute at a time for up to 1 hour total in a work shift. Most commonly occurs while entering and exiting grader, backhoe, loader, compactor, bulldozer, excavator, scraper, roller, forklift, paving machine, sweeper and mower.

Balancing

Continuously on uneven ground and heavy machinery at heights of up to 6 feet for up to 4 hours at a time for up to 8 hours total in a work shift. Most commonly occurs while traversing through work sites and when operating the paving machine.

Bending/Stooping

Occasionally on metal, dirt, gravel, cement, mud and uneven surfaces for up to 1 minute at a time for up to 30 minutes total in a work shift. Most commonly occurs while inspecting and greasing equipment. The employee might be able to reduce bending/stooping by alternating with crouching or kneeling.

Kneeling

Occasionally on metal, dirt, gravel, cement, mud and uneven surfaces for up to 1 minute at a time for up to 30 minutes total in a work shift. Most commonly occurs while inspecting and greasing equipment. The employee might be able to reduce kneeling by alternating with crouching or bending/stooping.

Crouching

Occasionally on metal, dirt, gravel, cement, mud and uneven surfaces for up to 1 minute at a time for up to 30 minutes total in a work shift. Most commonly occurs while inspecting and greasing equipment. The employee might be able to reduce crouching by alternating with bending/stooping or kneeling.

Operating Controls with Feet

Continuously for up to 2 hours at a time for up to 8 hours total in a work shift while operating heavy machinery such as a bulldozer.

Reaching above shoulder height

Occasionally for up to 1 minute at a time for up to 15 minutes total in a work shift while greasing, fueling and opening windows in machinery.

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Reaching at waist to shoulder height

Continuously for up to 2 hours at a time for up to 8 hours total in a work shift while operating motorized cart, grader, backhoe, loader, compactor, bulldozer, excavator, scraper, roller, forklift, paving machine, sweeper and mower.

Reaching at knee to waist height

Continuously for up to 2 hours at a time for up to 8 hours total in a work shift while operating hand controls and levers on machinery such as the bulldozer and track hoe.

Reaching at floor to knee height

Occasionally for up to 1 minute at a time for up to 10 minutes total in a work shift while manipulating an emergency brake, four wheel drive lock lever and greasing gun as well as when cleaning the tracks of the machinery.

Lifting 1-10 pounds

Occasionally for up to 1 minute at a time for up to 10 minutes total in a work shift while manipulating various hand tools, shovel, grease gun and laser levels.

Carrying 1-10- pounds

Occasionally for distances of up to 100 feet for up to 3 minutes at a time for up to 15 minutes total in a work shift. Most commonly occurs with weights of 4-8 pounds while transporting grease gun, various hand tools, shovel and laser level to and from work sites.

Pushing and Pulling

Continuously for up to 2 hours at a time with up to 10 pounds of force for up to 8 hours total in a work shift while operating hand controls and levers on machinery such as the bulldozer and track hoe.

Handling

Continuously for up to 2 hours at a time for up to 8 hours total in a work shift while operating hand controls and levers on machinery such as motorized cart, grader, backhoe, loader, compactor, bulldozer, excavator, scraper, roller, forklift, paving machine, sweeper and mower.

Operating Controls with Hands

Continuously for up to 2 hours at a time for up to 8 hours total in a work shift while operating hand controls and levers on machinery such as motorized cart, grader, backhoe, loader, compactor, bulldozer, excavator, scraper, roller, forklift, paving machine, sweeper and mower. Hand controls consist of steering wheel, various levers, joystick, thumb and trigger buttons and handbrakes.

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Fingering

Continuously for up to 2 hours at a time for up to 8 hours total in a work shift while operating controls and levers on machinery such as motorized cart, grader, backhoe, loader, compactor, bulldozer, excavator, scraper, roller, forklift, paving machine, sweeper and mower. Finger controls consist of keys, various small levers, joystick, thumb and trigger buttons and switches.

Feeling

Continuously for up to 2 hours at a time for up to 8 hours total in a work shift while identifying equipment failure through unusual vibrations.

Talking

Continuously for up to 2 hours at a time with for up to 8 hours in a work shift while using a two-way radio, communicating with engineers and co-workers as well as ordering and directing material when operating a track hoe.

Far acuity—clarity of vision at 20 feet or more

Continuously for up to 2 hours at a time for up to 8 hours total in a work shift while operating motorized cart, grader, backhoe, loader, compactor, bulldozer, excavator, scraper, roller, forklift, paving machine, sweeper and mower.

Depth perception—three dimensional vision

Continuously for up to 2 hours at a time for up to 8 hours total in a work shift while operating motorized cart, grader, backhoe, loader, compactor, bulldozer, excavator, scraper, roller, forklift, paving machine, sweeper and mower.

Field of vision—observing an area that can be seen up and down or right or left while eyes are fixed on a given point

Continuously for up to 2 hours at a time for up to 8 hours total in a work shift while operating motorized cart, grader, backhoe, loader, compactor, bulldozer, excavator, scraper, roller, forklift, paving machine, sweeper and mower.

Night vision--seeing after sundown with minimal or no supplemental light sources

Continuously for up to 2 hours at a time for up to 8 hours total in a work shift while operating motorized cart, grader, backhoe, loader, compactor, bulldozer, excavator, scraper, roller, forklift, paving machine, sweeper and mower during emergency situations or paving at night.

TEMPERAMENTS

Directing, controlling, or planning activities of others: Frequently

Performing repetitive or short-cycle work: Continuously

Influencing people in their opinions, attitudes, and judgments: Rare

Performing a variety of duties: Continuously

Expressing personal feelings: Continuously

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Working alone or apart in physical isolation from others: Continuously
Working effectively under stress: Continuously
Attaining precise set limits, tolerances, and standards: Continuously
Working under specific instructions: Continuously
Working with others: Continuously
Making judgments and decisions: Continuously

ENVIRONMENTAL FACTORS

Work is performed in a construction and development work site setting with direct exposure to the elements while operating heavy machinery in open cockpits. The employee is continuously exposed to moving machinery, vibration, dust, fumes and odors. The employee also works in enclosed cab machines that have limited ventilation. The heavy equipment can range from loud to very loud.

Workers are exposed to

Outside weather: Continuously
Extreme cold: Continuously
Extreme heat: Continuously
Wet: Continuously
Humidity/dampness: Continuously
Fumes: Continuously
Odors: Continuously
Dusts: Continuously
Mists: Continuously
Gases: Continuously
Poor ventilation: Continuously
Moving mechanical parts: Continuously
Vibration: Continuously
Working in high, exposed places: Continuously

Other:

Loud noise caused by heavy machinery sufficient to cause marked distractions or possible hearing loss.

POTENTIAL MODIFICATIONS TO JOB

Air seats in some equipment to increase comfort and lumbar support when sitting for extended durations.

Pending scheduling and business demand the employee might be able to work with particular machines to increase or decrease sitting and standing; the paving machine is operated while standing whereas the mower and broom truck are operated while seated.

Transitional return to work might be available depending on business demand.

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Signature & title of evaluator

Date

Signature & title of contact

Date

Signature & title of employee

Date

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HEALTH CARE PROVIDER SECTION

Check all that apply

☐ The employee is released to perform the described duties without restrictions on performance or work hours.

☐ The employee is released to perform the described duties on a reduced schedule. The recommended schedule is:

☐ Temporary until _____ ☐ Permanent as of _____

☐ The employee is released to perform the described job with the following modifications:

☐ Temporary until _____ ☐ Permanent as of _____

☐ The employee is not released to perform the described duties due to the following job functions:

☐ Temporary until _____ ☐ Permanent effective _____

☐ The employee is unable to work in any capacity.
A release to work is: ☐ anticipated by _____ ☐ Not expected

The limitations are due to the following objective medical findings:

Printed or typed name and phone number of Health Care Provider

Signature of Health Care Provider

Date