



Disability Services
Safety and Claims Management
Department of Executive Services
Human Resources Division
500 4th Avenue, Room 500
Seattle, WA 98104
(206) 477-3350
(206) 296-0514 FAX

Employee :

Claim # :

JOB ANALYSIS

Job Title:	Truck Driver III		
Department:	Transportation	Division:	Roads
DOT Title:	Truck Driver-Heavy	DOT #:	905.663-014
SVP:	4	Requestor:	Autumn Musch
Worksite Address:	155 Monroe Avenue North Renton, WA 98056-3819	Office Contact Name/ Phone/ Email:	Tony Ledbetter 206-477-2411 tony.ledbetter@kingcounty.gov
Original Analyst:	Kyle Pletz, VRC, CDMS		Analysis Date: 12/4/18
Update Analyst:			Update Date:

☒ On-Site ☐ Interview ☐ Representative

JOB DUTIES:

Safe and efficient operation of vehicles with a minimum load capacity ranging from 0 to 18 yards. The incumbent drives dump trucks with pony or flatbed trailers to move equipment as well as multiple other pieces of equipment such as, but not limited to, a patch truck or vactor truck.

ESSENTIAL FUNCTIONS ACCORDING TO THE EMPLOYER:

All King County jobs require ability/essential function to:

- Demonstrate predictable, reliable, and timely attendance.
- Follow written and verbal directions to complete assigned tasks on schedule.
- Read, write, and communicate in English & understand basic math.
- Learn from directions, observations, and mistakes and apply procedures using good judgment.
- Work independently or as part of a team and interact appropriately with others.

Job Specific Requirements:

1. Perform a safety inspection of the vehicle and its systems.
2. Drive a truck with trailer for moving equipment and materials to and from work sites.
3. Drive a truck to transport asphalt, sand, gravel and other materials.
4. Drive and spread gravel, salt, sand, oil, anti-icer, asphalt and other materials used for road-building and maintenance.
5. Drive a snowplow, vactor truck, patch truck or spray truck.
5. Flagging.
6. Use a chainsaw to remove fallen trees blocking roads.

EXPERIENCE, QUALIFICATIONS, KNOWLEDGE, SKILLS:

MINIMUM QUALIFICATIONS:

Knowledge of King County construction standards, equipment and materials as well as the County road system and County equipment and trailer capacities. Must have knowledge of inclement weather policies and procedures and how to secure loads as well as equipment, materials, methods and techniques used to construct, maintain and repair County infrastructure. Must have knowledge of driving laws and road-building materials. Must possess communications skills (oral and written) and defensive driving skills as well as heavy truck driving skills and skill in operating various equipment. Must have skill in maneuvering large trucks in inclement weather and in high-density traffic. Must possess a valid Washington State Driver's License. Must possess a valid Commercial Driver's License class A with air brake endorsement as well as a medical card and flagging card. Must possess a hazardous materials endorsement (some positions). Must have knowledge of traffic control.



King County

King County Job Analysis

Job Title : Truck Driver III-Roads

Employee :

DOT # : 905.663-014

Claim # :

Machines, Tools, Special Equipment, Personal Protective Equipment Used:

Chainsaw, dump truck, 5-10 yard vactor trucks, patch truck, various hoists, flagging paddle, spray truck, shovel, tire chains, sand, salt, anti-ice application, hand sprayers, diesel fuel, various machinery fluids such as oil, forklift, two-way radio, various hand tools, water truck, snow removal equipment, pickup, daily time cards, maintenance reports, inspection reports, work orders, scale cards and computerized scale system and tablet. Safety vest, head protection, ear protections, gloves, chaps and eye protection.

PHYSICAL REQUIREMENTS

Frequency Scale	Strength	Work Pattern	
N = Never	<input type="checkbox"/> Sedentary	<input checked="" type="checkbox"/> Full-time	
S = Seldom (1-10 %, up to 48 min)	<input type="checkbox"/> Light	<input type="checkbox"/> Part-time	
O = Occasional (11-33%, 49 min. – 2 hr 40 min)	<input checked="" type="checkbox"/> Medium	<input type="checkbox"/> Seasonal	
F = Frequent (34-66%, 2 hr 41 min – 5 hr 20 min)	<input type="checkbox"/> Heavy	8-10	Hours Per Day
C = Constant (67-100%, more than 5 hr 20 min)	<input type="checkbox"/> Very Heavy	4-5	Days Per Week
		FLSA Exempt <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	

Work Pattern (continued)

(Note: Overtime requirements may change at the employer's discretion) Required on an emergency basis for snow and ice removal. Overtime may also be present (optional) in accordance with special projects. Overtime varies from approximately 40-300 hours per year, based upon weather conditions.

Lifting	N	S	O	F	C	
floor – waist		1-50				Up to 1 min./time, 15 min total, with weights of 2-10 lbs. while manipulating binders, hand tools, chains and cans of oil.
						Up to 1 min./time, 15 min. total, with weights of 11-15 lbs. while manipulating binders, chains and a chainsaw as well as when shoveling.
						Up to 5 sec./time, 5 min. total, with weights of 50 lbs., while loading bags of salt and sand when performing snow removal duties. Lifting assistance is available on most occasions. When performing vactor truck duties, may need to manipulate/move catch basin lids.
						lbs.



King County

King County Job Analysis

Job Title : Truck Driver III-Roads

Employee :

DOT # : 905.663-014

Claim # :

Lifting waist–shoulder	N	S	O	F	C	lbs.	Up to 1 min./time, 15 min total, with weights of 2-10 lbs. while manipulating binders, hand tools, chains and cans of oil.
		1-50					Up to 1 min./time, 15 min. total, with weights of 11-15 lbs. while manipulating binders, chains and a chainsaw as well as when shoveling.
Lifting above shoulder	N	S	O	F	C	lbs.	Up to 5 sec./time, 5 min. total, with weights of 50 lbs., while loading bags of salt and sand when performing snow removal duties. Lifting assistance is available on most occasions. When performing vector truck duties, may need to manipulate/move catch basin lids.
		1-15					Up to 30 sec./time, 10 min. total while using a chainsaw 13-15 lbs.) to cut tree limbs; shovels and brooms to clear rails.
Carry (Dist.)	N	S	O	F	C	lbs.	Up to 1 min./time, 15 min. total, for distances up to 100' while transporting binders (5-10 lbs.), hand tools, chains, cans of oil, chainsaw (13-15 lbs.).
		100' 1-15 *10' *50					*Up to 10 sec./time, 5 min, total while loading bags of salt and sand (50 lbs.) when performing snow removal duties. Lifting assistance is available on most occasions.
Pushing/ Pulling	N	S	O	F	C	Minimal	Up to 5 min./time, with a force of 4-25 lbs., for up to 1 hr. total while operating levers and controls on equipment, hooking up trailer and adjusting level of trailer tongue with hand crank, shifting and turning the steering wheel as well as manipulating tire chains, binders, doors and tarps.
			4-25		1-3	lbs. force	Up to 2 hrs./time, 7 hrs. total, with 1-3 lbs., while shifting and turning a steering wheel. Backing, snow/ice duties, shoulder clearing etc., generally require more steering wheel usage.



King County

King County Job Analysis

Job Title : Truck Driver III-Roads

Employee :

DOT # : 905.663-014

Claim # :

Physical Demands	Frequency					Activity Description
	N	S	O	F	C	
Sitting					X	Up to 2.5 hrs. at a time for up to 7 hrs. total, on an automobile seat, while driving various trucks. The employee can get out of the truck (at some locations) when loading to reduce sitting. The employee sits for extended durations (up to 12 hours in a shift) when performing snow removal and paving duties.
Standing			X		X*	Up to 15 min./time, 2 hrs. total, on cement, asphalt, concrete, dirt, ice/snow and uneven surfaces for and conversing with co-workers as well as when waiting for operator signal to bring load over and waiting for other trucks to be loaded. *Up to 2 hrs./time, 8 hrs. total while flagging; this normally is 5% or less of the job.
Walking			X			Up to 5 min./time, 1 hr. total on cement, asphalt, concrete, dirt and uneven surfaces for distances up to 500 feet for in a work shift while walking between the work sites and the various County vehicles; as well as when performing truck inspections.
Perform Work on Ladders		X				Up to 10 sec./time, 10 min. total while traversing vertical ladders attached to vehicles.
Climbing		X				5-10 sec./time, up to 5 steps, for up to 10 min. total while entering/exiting various County facilities such as scale houses, using rolling staircase, traversing steep slopes, entering/exiting various County trucks and securing loads. The employee also climbs in order to clear mud and debris off the sides of equipment, cleaning the rails, trimming overhanging brush and cleaning out the bed. The employee may also need to climb on top of snow removal equipment on a rare occasion.
Balancing			X			Up to 6', for up to 5 min./time, 1 hr. total in a work shift while climbing on trucks and traversing uneven ground, snow/ice and steep slopes. During snow removal duties the employee may need to clean the screen on the sander which may require balancing for up to 10 min./time, 1 hr. total.
Stooping / Bending				X*		Up to 5 min./time, 3 hrs. total while performing gurney inspections, getting out of the cab, reading gauges, talking to persons outside truck window, performing truck/safety inspections and signing work tickets. Bends the neck when getting out of the cab, reading gauges, talking to persons outside truck window, performing safety inspections and signing work tickets, spreading/loading rock, cleaning rails, manipulating tarps, securing loads, looking for overhead wires and viewing tablet in truck. *Can Alt. with squat/kneel on most occasions.
Twisting at Neck			X			Up to 10 min./time, 1 hr. total while checking mirrors and backing up (may include backing down a levy, paving and shouldering; grinder and shoulder cleaning tasks).



King County

King County Job Analysis

Job Title : Truck Driver III-Roads

Employee :

DOT # : 905.663-014

Claim # :

Physical Demands	Frequency					Activity Description
	N	S	O	F	C	
Twisting at Waist		X				Up to 5-10 min./time, 15 min. total on cement, asphalt, concrete, dirt and uneven surfaces while securing loads, performing truck inspections, installing/removing tire chains, adjusting/checking tire pressure, manipulating chains and binders, opening the vector truck catch basin lid, loading and unloading equipment and manipulating tarps.
Squatting / Kneeling			X*			Up to 5 min./time, 2 hrs. total while performing gurney inspections, getting out of the cab, reading gauges, talking to persons outside truck window, performing truck/safety inspections and signing work tickets. Bends the neck when getting out of the cab, reading gauges, talking to persons outside truck window, performing safety inspections and signing work tickets, spreading/loading rock, cleaning rails, manipulating tarps, securing loads, looking for overhead wires and viewing tablet in truck. During snow duties, may assist mechanics installing plow blades. *Can Alt. with squat/kneel on most occasions.
Crawling		X				During snow duties, may assist mechanics installing plow blades. Rarely inspect underside of trucks and trailers.
Reach waist to shoulder					X	Up to 2.5 hrs./time, 7 hrs. total while driving various County trucks with manual and automatic transmissions. The employee drives for extended durations (up to 12 hours in a shift) when performing snow removal and paving duties.
Reach above shoulder		X				Up to 1 min./time, 15 min. total while climbing in/out of various County vehicles, securing loads and manipulating tarps.
Reach below waist				X		Up to 30 min./time, 4-5 hrs. total while shifting gears, starting vehicles, operating various dashboard and box controls, manipulating tarps and using the vibrator controls. The employee may reach at knee to waist height for extended durations (up to 6 hours in a shift) when performing snow removal and paving duties.
Keyboarding		X				Rarely when completing healthy incentives, job search, benefits etc.
Wrist Flexion/Extension		X				Up to 1 min./time, 45 min. total while using binders to secure equipment, manipulating tarps, manipulating chains, sweeping and operating hand controls.
Handle/Grasp					X	Up to 2.5 hrs./time, 7 hrs. total while driving various County trucks with manual and automatic transmissions. The employee also performs handling when manipulating binders, connecting air lines/glad hands, chains, hood and various hand tools as well as when using hand rails when climbing in and out of various County vehicles. The employee drives for extended durations when performing snow removal duties.
Forceful Grasp		X				Up to 30 sec./time, 10 min. total while using a chainsaw to clear brush and binders to secure loads.



King County

King County Job Analysis

Job Title : Truck Driver III-Roads

Employee :

DOT # : 905.663-014

Claim # :

Physical Demands	Frequency					Activity Description
	N	S	O	F	C	
Fine Finger Manipulation			X		X*	2 min./time, 1 hr. total while manipulating sheets of paper, writing, using tablet, operating signals/vehicle controls (large button for air brakes, toggles for truck controls). *The employee drives for extended durations when performing snow removal duties and may require finger manipulation for up to 6 hours in a shift while operating sand and anti-icing controls (single toggle switch).
Hand Controls					X	Up to 2.5 hrs./time, 7 hrs. total while driving various County trucks with manual and automatic transmissions. Operating hand lever to dump bed etc. *The employee operates controls with hands for extended durations when performing snow removal duties.
Foot Controls					X*	Up to 2.5 hrs./time, 7 hrs. total in a work shift while driving various County trucks with manual and automatic transmissions. *The employee operates controls with feet for extended durations (up to 12 hours in a shift) when performing snow removal and paving duties.
Repetitive Motion				X		Body Part: Arms for shifting Cycles/hr: 100+
Vibratory Tasks – High			X			Up to 10 min./time, 1.5 hrs. total while driving off-road; may drive on a dozer road, down to a riverbed, on a levy; may hit bumpers on belt loaders when shoulder cleaning; large materials loaded or unloaded in/out of truck causes jolting.
Vibratory Tasks – Low				X		Up to 30 min./time, 3-4 hrs. total while driving an unloaded truck (suspension is very stiff when unloaded). When plowing snow the plow blade scrapes the road and causes extra vibration.
Talking			X			Up to 5 min./time, 1 hr. total while conversing with co-workers, flagging and utilizing a two-way radio.
Hearing					X	Up to 2.5 hrs./time, 7 hrs. total while conversing with co-workers, flagging, utilizing a two-way radio, identifying equipment failures, identifying safety hazards and maintaining compliance with CDL requirements.
Visual – Near Acuity				X		Gauges, tablet, mirror, switches and truck controls.
Visual – Far Acuity					X	Driving.
Visual – Depth Perception					X	Driving.
Visual – Color Discrimination				X		Not required, but helpful. Gauges, signs, traffic signals.
Visual – Accommodation					X	Looking between gauges and traffic while driving
Visual – Field of Vision					X	Driving
Exposure to Weather		X				When outside of the truck.
Extreme Cold		X				Freezing temperatures during snow removal and anti-icing.
Extreme Hot		X				Works around hot equipment; engines etc.
Wet and / or Humidity			X			Washes truck daily.
Proximity to Moving Mechanical Parts					X	Continuously in/around moving vehicles



King County

King County Job Analysis

Job Title : Truck Driver III-Roads

Employee :

DOT # : 905.663-014

Claim # :

Physical Demands	Frequency					Activity Description
	N	S	O	F	C	
Exposure to Explosives	X					
Atmospheric Conditions			X			Dust, exhaust fumes, asphalt fumes.
Exposed Heights		X				Truck bed/rail; on top of equipment.
Exposure to Electricity		X				Working during/after wind storms.
Exposure to Toxic / Caustic Chemicals		X				May haul materials that could be toxic, such as meth lab materials, homeless encampment materials, etc. Not all exposures/materials are known when hauling.
Exposure to Radiation	X					
Noise Intensity	<input type="checkbox"/> Very Quiet <input type="checkbox"/> Quiet <input checked="" type="checkbox"/> Moderate <input type="checkbox"/> Loud <input checked="" type="checkbox"/> Very Loud					Employee is exposed to noise while driving and is also exposed to very loud machinery.
Other:					X	Work is performed in multiple settings including various County vehicles, construction areas and King County roads. Worker drives large vehicles in severe traffic and inclement weather. The employee is exposed to moving machinery, fumes and vibrations while driving. The employee is exposed to vibration when driving a truck, especially on rough or unpaved roads. The employee is also exposed to vibrations when emptying the bed of a truck and when utilizing the vibrator while emptying the bed. On a rare occasion the employee may need to climb on top of a sanding truck.



King County

King County Job Analysis

Job Title : Truck Driver III-Roads

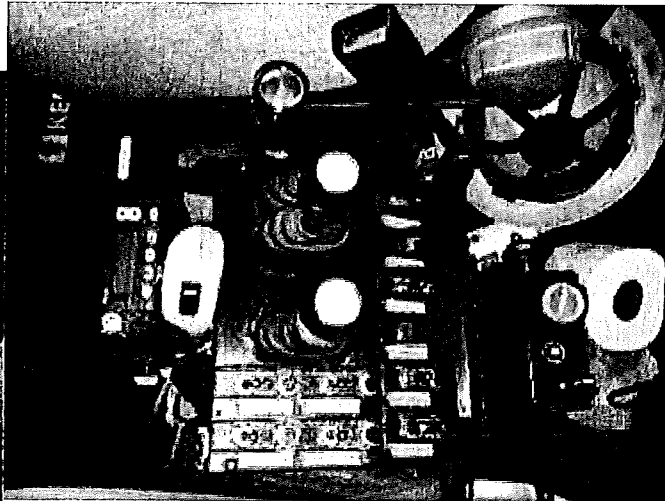
Employee :

DOT # : 905.663-014

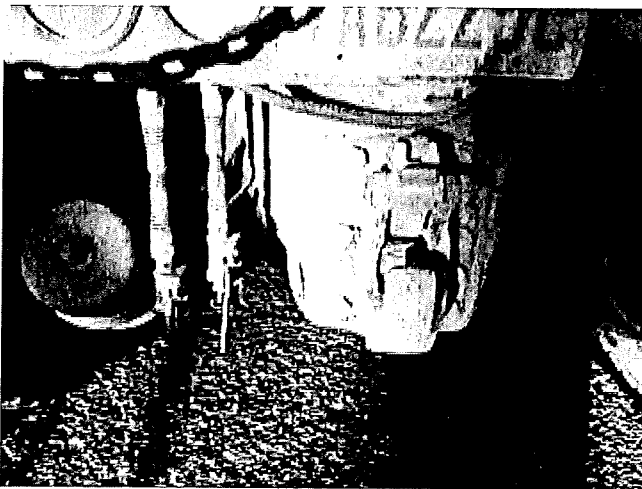
Claim # :



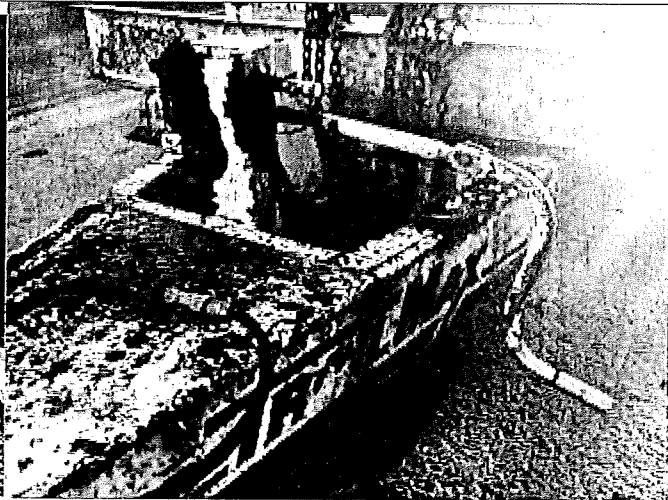
Gearshift with Splitter. Finger(s) are used to lift small lever.



Hoist lever for box and tailgate controls. Levers are pushed/pulled with minimal to no grip strength.



Glad hands for hooking up air to the trailer. Requires grasping and twisting the air lines together.



Trailer jack with hand crank.



King County

King County Job Analysis

Job Title : Truck Driver III-Roads

Employee :

DOT # : 905.663-014

Claim # :

Analyst's Comments:

Possible Employer Modifications:

Update Comments (if applicable):

Note: The information for this job analysis was gathered by either on-site observation, interview and / or is representative of the labor market as indicated on page one. Additional data may have been obtained from standardized industry resources such as the DOT, GOE, COJ, OOH, WOIS and O-NET. On occasion, practicality and feasibility prevent the direct observation and/or gathering of objective, quantifiable data. For this reason, a "best estimate" may have been used.

Analyst:

Vocational Consultant

1/11/19
Date

Update (if applicable):

Vocational Consultant

Date

Employer Verification:

Name

1/10/19
Date

Employee Verification: (optional)

Name

Date



King County

King County Job Analysis

Job Title : Truck Driver III-Roads

Employee :

DOT # : 905.663-014

Claim # :

MEDICAL PROVIDER:

- ☐ I agree that the employee can perform the physical activities described in this job analysis and can return to work. Date employee is released to return to work if different from today's date: _____
- ☐ I agree the employee can perform the described job but only with modifications (describe in comments section). Modifications are needed on a ☐ permanent basis or ☐ temporary basis.
- ☐ The employee temporarily cannot perform this job based on the following physical limitations:

Anticipated release date: _____

Treatment plan: _____

- ☐ The employee is permanently restricted from performing the physical activities described in this job analysis based on the following physical limitations (state objective medical findings):

Comments:

Signature _____

Date _____

Print Name _____

- ☐ Attending Physician ☐ Consulting Physician ☐ Pain Program Physician
- ☐ IME Physician ☐ PCE Therapist ☐ OT / PT Therapist ☐ PEP Physician