



**King County**

**Disability Services  
Safety and Claims Management**  
Department of Executive Services  
Human Resources Management Division  
500 4<sup>th</sup> Ave Rm 500  
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(206) 205-8575  
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## JOB ANALYSIS

Job Title:	Streetcar Operator	DOT Title:	Streetcar Operator
SVP:	3	DOT #:	913.463-014
Location of Analysis:	318 Fairview Ave. N Seattle, WA 98109	Name of Employee:	
Analyst:	Kyle Pletz, VRC, CDMS	JA Source:	Gennia Wellington-Cheatham
Presenting VRC:		Employer Contact:	Rachel Price
Date Analysis Completed:	10/8/15	Supervisor Contact Information	Phone: 206-477-6897 E-mail: rachel.price@kingcounty.gov

On-Site     Interview     Representative

### JOB DUTIES:

#### 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.



Streetcar Operators will safely operate in Euro-Designed streetcars with enclosed operator cabs. Streetcar Operators work on an established schedule and provide professional customer service when transporting the public in the greater metropolitan King County area.

- Provide safe, professional and courteous on-time streetcar service for customers in King County.
- Provide passenger customer service including assisting passengers with special needs and in special circumstances, including offering assistance in boarding or de-boarding; providing information to passengers regarding service area, schedule, etc.
- Transport passengers safely to designated locations according to established schedules.
- Provide passenger customer service including assisting passengers with special needs and in special circumstances, including offering assistance in boarding or de-boarding; providing information to passengers regarding service area, schedules, etc.



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Claim # (if applicable):

- Operate a two-way radio and other specialized transportation equipment and systems.
- Operate or move vehicles; move and place vehicles in designated location (spot) in the yard.
- Prepare and submit accident and incident reports; maintain records and other documentation as determined by management.
- Visually inspect streetcars and reports their condition verbally and/or in writing; observe and report on a regular basis to vehicle maintenance staff any system or component malfunction or failure.
- Troubleshoot and operate malfunctioning streetcars; operate track switches and provide hand signals or traffic flagging.
- Perform other related operations duties as assigned.

**EXPERIENCE, QUALIFICATIONS, KNOWLEDGE, SKILLS:**

- Knowledge of public transportation vehicles safe driving techniques and principles.
- Knowledge of and understanding of federal, state, and local roadway laws related to the operation of passenger-carrying transit vehicles with air brakes.
- Skill operating public transportation vehicles including streetcars or buses in revenue service.
- Skill in communicating, orally and in writing.
- Skill in reading, writing, and following oral and written instructions and schedules.
- Skill in learning to operate a two-way radio and public address system and associated equipment used in the industry.
- Skill in preparing and maintaining multiple reports including accident and incident reports.
- Skill in providing customer service; establishing and maintaining effective relationships with the general public and co-workers.
- Skill in working with diverse groups and individuals.
- Skill in performing multiple tasks simultaneously.

**NECESSARY SPECIAL QUALIFICATIONS:**

- Washington State Class B driver's license or the ability to obtain and maintain a Class B license with passenger (P) endorsement and a streetcar operator certification is required.
- Some licenses, certifications and other requirements determined to be necessary to meet the business needs of the employing unit may be required.
- Working Conditions.
- Non-standard work hours including evenings, weekends and holidays are required.

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

Streetcar/trolley, 2-way radio, trolley bell, public address system, bag, clipboard and fire extinguisher.

**PHYSICAL REQUIREMENTS**

Frequency Scale	Strength	Work Pattern	
<b>N</b> = Never	<input checked="" type="checkbox"/> Sedentary	<input checked="" type="checkbox"/> Full-time	
<b>S</b> = Seldom (1-10 %, up to 48 min)	<input type="checkbox"/> Light	<input type="checkbox"/> Part-time	
<b>O</b> = Occasional (11-33%, 48 min. – 2 hr 25 min)	<input type="checkbox"/> Medium	<input type="checkbox"/> Seasonal	
<b>F</b> = Frequent (34-66%, 2 hr 26 min – 5 hr 35 min)	<input type="checkbox"/> Heavy	8-9	Hours Per Day
<b>C</b> = Constant (67-100%, more than 5 hr 35 min)	<input type="checkbox"/> Very Heavy	5	Days Per Week



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This is classified as a LIGHT job by the US Department of Labor but adjusted to SEDENTARY for this position.

PHYSICAL DEMANDS	FREQUENCY						ACTIVITY DESCRIPTION
	% Time	N	S	O	F	C	
Sitting						X	Up to 40 min./time, up to 7hrs. total while operating the streetcar.
Standing			X				No formal requirement. Up to 1-5 min./time on a rare occasion.
Walking			X				Up to 11 min/time, 35 min. total while walking to/from streetcars. Must be able walk 4 blocks within 11min. with a slight incline.

<b>Lifting</b> floor – waist	<b>N</b>	<b>S</b>	<b>O</b>	<b>F</b>	<b>C</b>	lbs.	8 lb. bag with a radio, clipboard and reference materials less than 10 min. per shift.
		X					
<b>Lifting</b> waist–shoulder	<b>N</b>	<b>S</b>	<b>O</b>	<b>F</b>	<b>C</b>	lbs.	8 lb. bag with a radio, clipboard and reference materials less than 10 min. per shift.
		X					
<b>Lifting</b> above shoulder	<b>N</b>	<b>S</b>	<b>O</b>	<b>F</b>	<b>C</b>	lbs.	
	X						
<b>Carry</b> (Dist.)	<b>N</b>	<b>S</b>	<b>O</b>	<b>F</b>	<b>C</b>	lbs.	8 lb. bag with a radio, clipboard and reference materials to/from streetcar for up to 25 min. per shift.
		8 lbs.					
<b>Pushing/ Pulling</b>	<b>N</b>	<b>S</b>	<b>O</b>	<b>F</b>	<b>C</b>	Minimal	Up to 20 lbs. when manually closing the bridge plate (for wheelchairs) approximately once every 6 months.
		X				lbs force	

	N	S	O	F	C	
Climbing		X				Up to 18 steps/time, up to 5x per shift. An elevator is available. 3 steps in/out of the streetcar 8x per shift.
Balancing		X				Employee traverses streets with a some ongoing construction with uneven ground.
Stooping / Bending		X				Pick up 8 lb. bag on ground, or turn off electricity in streetcar.
Twisting*				X		Twist neck* (and sometimes back) up to 1 min./time, up to 4 hrs. total to look for cars and pedestrians. Also twist while getting in/out of streetcar chair.
Squatting / Kneeling		X				Push in bridge plate manually approximately once every 6 months.
Crawling	X					
Foot Controls		X				Horn and sand buttons 5x per day, via foot controls.



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	N	S	O	F	C	
<b>Reaching</b> (Level)	Forward	X		X		<b>Frequent Left</b> hand for up to 40 min/time, up to 5.5hrs total while operating the master controller (throttle). <b>Seldom Right</b> hand or bell and blinker.
	Below Waist	X				Pick up 8 lb. bag on ground, or turn off electricity in streetcar.
	Above Shoulder	X				Adjust air conditioning and windows. In a rare emergency the pantograph may need to be raised/lowered using a hand crank. See pictures*
Handle/Grasp*					X	Up to 40 min/time, 7 hrs./shift while twisting and pushing master control. See pictures*
Fine Finger Manipulation		X				Operating blinkers, bell and writing.
Hand Controls					X	Up to 40 min/time, 7 hrs./shift while twisting and pushing master control.
Repetitive Motion				X		Body part:   Left arm/wrist   Cycles/hr.   200
Vibratory Tasks	X					

	N	S	O	F	C	
Talking			X			Few sec./time, up to 1.5 hrs. total to talk on radio to convey information such as blockages, provide customer service to the public.
Hearing					X	Hearing is essential for safety.

Visual:

Uses dual computer monitors.

ENVIRONMENTAL CONDITIONS	FREQUENCY						ENVIRONMENTAL CONDITIONS	FREQUENCY				
	N	S	O	F	C			N	S	O	F	C
Exposure to Weather		X					Noise Intensity	X				
Extreme Cold		X					Atmospheric Conditions	X				
Extreme Hot		X					Exposed Heights	X				
Wet and / or Humidity		X					Exposure to Electricity	X				
Proximity to Moving Mechanical Parts		X					Exposure to Toxic / Caustic Chemicals	X				
Exposure to Explosives	X						Exposure to Radiation	X				
Other:												



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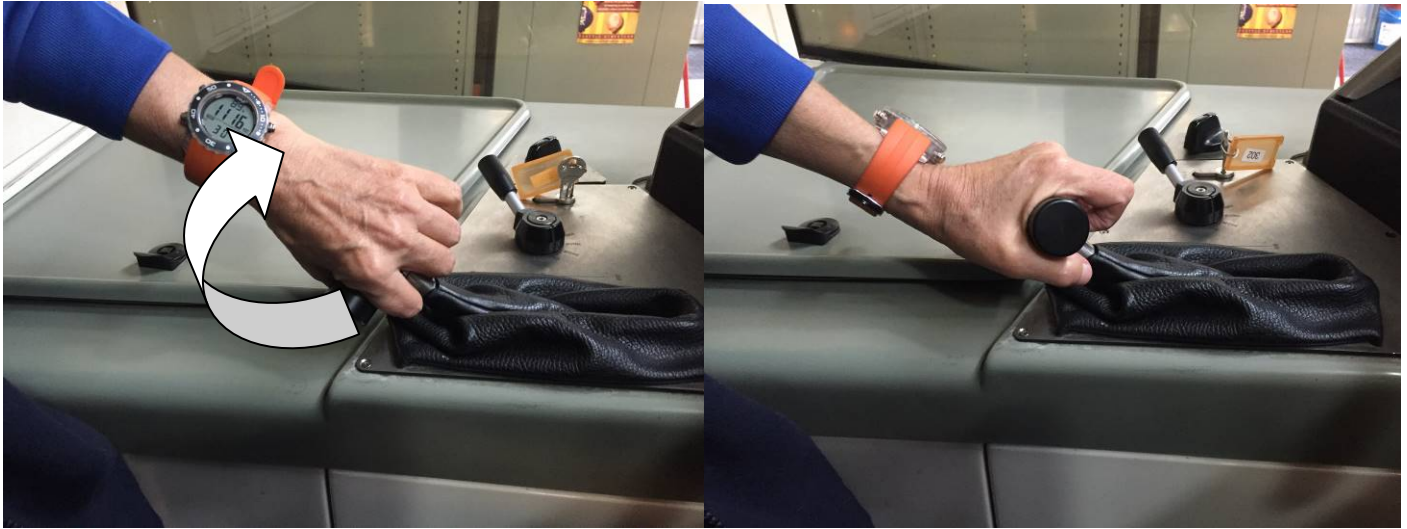
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**Analyst's Comments:**

**Street car operator must routinely rotate left wrist in order operate the master control.**





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**Possible Employer Modifications:**

**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:**

Kyle Pletz, VRC, CDMS

10/8/15

\_\_\_\_\_  
Vocational Consultant

\_\_\_\_\_  
Date

**Presenting VRC signature:**

\_\_\_\_\_  
Vocational Consultant

\_\_\_\_\_  
Date

**Employer Verification:**

\_\_\_\_\_  
Name

\_\_\_\_\_  
Date

**Employee Verification: (optional)**

\_\_\_\_\_  
Name

\_\_\_\_\_  
Date



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**MEDICAL PROVIDER:**

I agree that the employee can perform the physical activities described in this job analysis and can return to work.

State 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  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 Physican               PCE Therapist               OT / PT Therapist
- PEP Physician