

Job Analysis Form

Alternate Format Available



King County

SHORT FORM FOR PRE-EMPLOYMENT PHYSICALS

PATIENT NAME: _____

JOB TITLE: Facilities Electrician

DEPARTMENT: Transportation, Light Rail

WORK SCHEDULE:

JOB DESCRIPTION: Performs a variety of journey-level electrical work in the installation, maintenance and repair of electrical and electronic systems, equipment, and hardware in Transit facilities. Work may also include providing backup assistance to and under the direction of those operating and maintaining high-voltage power supply systems that power trolley buses and light rail trains.

WORK ENVIRONMENT:

ESSENTIAL FUNCTIONS: Perform administrative tasks including evaluating work requests, designing and estimating, organizing and scheduling labor, materials and equipment to complete projects; write work orders using applicable software applications; maintain associated documentation, records and logs. Troubleshoot and assess electrical power, lighting, industrial controls and equipment to determine cause of equipment failure. Install electrical systems in new construction; install, modify and upgrade new and existing electrical systems, component parts and other related electrical equipment; repair damaged electrical equipment, conduit and conductors. Evaluate existing equipment, provide recommendations for future electrical needs and anticipate maintenance and repair costs. Maintain current equipment with preventive maintenance measures. Perform visual inspection and conduct cleaning including variable-speed drives, motors, motor control centers and programmable controllers. Maintain, troubleshoot and repair electronic digital communications control systems, combined electronic fire alarm and smoke control systems, closed circuit TV security systems, electronic door security controls, electronic elevator security controls, intercom and paging systems, systems, fans, pumps and their motor control equipment, digital card reader systems, parking gates and roll-up doors, motion sensors, door monitoring systems, and commercial kitchen and laundry equipment. Maintain, troubleshoot and repair power distribution systems including but not limited to lighting distribution and low-voltage switching, power distribution panels and circuits, emergency generator and related heating, ventilating and air conditioning (HVAC) equipment and power transfer switches. Perform other duties as assigned.

Exposures:

- Outside weather
- Non-weather related temp below 55°
- Non-weather related temp above 75°
- Humidity/dampness
- Moving mechanical parts
- Exposed high places
- Vibration
- Toxic or caustic chemicals
- Confined spaces
- Wet
- Gasses
- Fumes
- Odors
- Dusts
- Mists
- Radiation
- Explosives
- Noise Level 100 DBL
- Other _____

Special Requirements:

- CDL
- Respirator use

***Continued on next page.

PHYSICAL DEMAND	HRS PER SHIFT
Standing	1 – 7 hours
Walking <input checked="" type="checkbox"/> uneven terrain	1 – 3 hours
Sitting	1 – 7 hours
Climbing stairs	30 min – 2 hours
Climbing <u>ladder/tunnel</u>	15 min – 4 hours
Balancing	2 – 4 hours
Bending/Stooping	30 min – 2 hours
Kneeling	10 – 30 minutes
Crouching	5 – 10 minutes
Crawling	0
Foot controls	30 min – 2 hours
Reaching above shoulders	0 – 2 hours
Reaching waist-shoulder	1 – 2 hours

PHYSICAL DEMAND	HRS PER SHIFT
Reaching knee-waist	5 – 15 minutes
Reaching floor-knee	0
Lifting/Carrying 1-10#	0 – 1 hour
Lifting/Carrying 11-20#	15 – 30 minutes
Lifting/Carrying 21-50#	0 – 10 minutes
Lifting/Carrying 51-100#	0 – 5 minutes
Lifting/Carrying 100+#	0 – 1 minute
Handling	1 – 7 hours
Hand Controls	0 – 1 hour
Fingering <input checked="" type="checkbox"/> keyboarding	30 min – 2 hours
Vision to assure safety of others	0 – 7 hours
Hearing to assure safety of others	0 – 7 hours
See Colors	0 – 7 hours

I have reviewed the following Job Analysis for the above-named candidate.

Physician's Signature

Date