

# Job Analysis Form

Alternate Format Available



King County

## SHORT FORM FOR PRE-EMPLOYMENT PHYSICALS

Physical Required: General physical, Diabetes, BP, Vision, Back strength and lifting, and Respirator Questionnaire.

PATIENT NAME: \_\_\_\_\_

JOB TITLE: Electrician I

DEPARTMENT: Natural Resources & Parks, Parks

WORK SCHEDULE: 40/week

JOB DESCRIPTION: Performs journey-level maintenance and installation of electrical and electronic systems and hardware.

WORK ENVIRONMENT: Field and shop.

ESSENTIAL FUNCTIONS: Troubleshoot and assess electrical power, lighting, control and equipment to determine cause of electrical and equipment failure. Repair damaged electrical equipment, conduit and conductors. Install electrical systems in new construction. Install, modify and upgrade new and existing electrical systems, component parts and other related electrical equipment. Evaluate existing equipment, provide recommendations for future electrical needs and anticipate 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, pneumatic tube carrier 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. *When working as Lead Electrician I, in addition to the above:* Prioritize daily work assignments for crews and assign work to individuals. Provide training and direction to other Electricians. Calculate cost estimates for new work to provide bid proposals. Coordinate the unit's work with other crafts. Price materials, write purchase orders and track materials for delivery.

### 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 60-80 DBL
- High Voltage

### Special Requirements:

- CDL  Respirator use

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PHYSICAL DEMAND	HRS PER SHIFT
Standing	2 – 6.5 hours
Walking <input checked="" type="checkbox"/> uneven terrain	30 min – 3 hours
Sitting	30 min – 4 hours
Climbing stairs	0 – 1 hour
Climbing ladder/scaffolding	30 min – 1 hour
Balancing	30 min – 1 hour
Bending/Stooping	1 – 2 hours
Kneeling	0 – 30 min
Crouching	30 min – 1 hour
Crawling	0 – 1 hour
Foot controls	1 – 4 hours
Reaching above shoulders	1 – 3 hours
Reaching waist-shoulder	2 – 4 hours

PHYSICAL DEMAND	HRS PER SHIFT
Reaching knee-waist	0 – 1 hour
Reaching floor-knee	0 – 15 minutes
Lifting/Carrying 1-10#	4 – 7 hours
Lifting/Carrying 11-20#	0 – 4 hours
Lifting/Carrying 21-50#	0 – 2 hours
Lifting/Carrying 51-100#	0 – 15 minutes
Lifting/Carrying 100+#	0
Handling	4 – 6 hours
Hand Controls	0 – 3 hours
Fingering <input checked="" type="checkbox"/> keyboarding	15 – 2 hours
Vision to assure safety of others	1 – 5 hours
Hearing to assure safety of others	1 – 5 hours
Other	

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

\_\_\_\_\_  
Physician's Signature

\_\_\_\_\_  
Date