

Job Analysis Form

ALTERNATE FORMAT AVAILABLE



SHORT FORM FOR PRE-EMPLOYMENT PHYSICALS

A more detailed form is available on the web at <http://www.metrokc.gov/ohrm/kcjabank/>

PATIENT NAME: _____

JOB TITLE: Traffic Signal Technician

DEPARTMENT: Transportation, Roads

WORK SCHEDULE: 40/week

JOB DESCRIPTION: Installs, Maintains, repairs and inspects traffic signal and street lighting systems. conducts field observation, implementing timing plans, maintains system databases and monitors system performance for unincorporated King County and contract cities.

WORK ENVIRONMENT: Field with some office.

ESSENTIAL FUNCTIONS: Perform Preventative maintenance on traffic signals and flashers. Responds to complaints about malfunctioning traffic signals. Repairs electronic signal and small electronic equipment for other departments. Performs traffic signal cabinet checkout and intersection configuration preparation. Design, install, and repair systems and systems communications. Monitors traffic flows and adjusts signal timing as directed. Implements and monitors system timing plans. Performs underground signal and streetlight locates. Documents all work and equipment repair and changes. Install and maintains Intelligent Transportation Systems (ITS). Repairs and maintains wood and steel poles, energized overhead and underground cable, conduit and wiring systems. Replace lamps, clean and adjust optical components of signal displays and inspect traffic signal hardware, wiring and cabling. Install wood poles, spanwires, cables and conductors and electrical service equipment. Operate line type truck and man-lift over traffic. Install or replace oversize street name signs over and off roadway. Install underground conduit and junction boxes. Install structural concrete foundations for steel lighting systems, electrical services and electrical service interconnect cabinets. Troubleshoot a large variety of gas discharge street lighting systems, electrical services and control cabinets. Responds to complaints about malfunctioning traffic signals. Setup temporary traffic control signing and channelization. Locate, reseal, repair or replace vehicle detection apparatus. Locate underground wiring conduit and boxes for utility contractors. Locate all underground wiring, loops and power distribution for utility contractors.

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 90 DBL
- Other _____

Special Requirements:

- CDL Respirator use

PHYSICAL DEMAND	HRS PER SHIFT
Standing	2 – 6 hours
Walking <input checked="" type="checkbox"/> uneven terrain	30 min – 4 hours
Sitting	1.5 – 3 hours
Climbing stairs	0
Climbing <u>ladder</u>	15 min – 1 hour
Climbing in/out of bucket truck bucket	15 min – 1 hour
Balancing	10 min – 1.5 hour
Bending/Stooping	15 min – 2 hours
Kneeling	5 min – 1 hour
Crouching	0
Crawling	0
Foot controls	1 – 3 hours
Reaching above shoulders	0 – 1 hour
Reaching waist-shoulder	15 min – 1 hour

PHYSICAL DEMAND	HRS PER SHIFT
Reaching knee-waist	0 – 30 minutes
Reaching floor-knee	0 – 1 hour
Lifting/Carrying 1-10#	15 min – 1 hour
Lifting/Carrying 11-20#	0 – 30 minutes
Lifting/Carrying 21-50#	0 – 15 minutes
Lifting/Carrying 51-100#	0 – 15 minutes
Lifting/Carrying 100+#	0
Handling	4 – 7 hours
Hand Controls	0 – 15 minutes
Fingering <input checked="" type="checkbox"/> keyboarding	15 min – 1.5 hour
Vision to assure safety of others	1 – 3 hours
Hearing to assure safety of others	1 – 3 hours
See Colors	4 – 8 hours

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

Physician's Signature

Date