

Job Analysis Form

Alternate Format Available



King County

SHORT FORM FOR PRE-EMPLOYMENT PHYSICALS

PATIENT NAME: _____

JOB TITLE: Signal Technician

DEPARTMENT: Transit/Light Rail

WORK SCHEDULE: 40/week

JOB DESCRIPTION: This position is responsible for providing rail service on a 13.9 mile track from downtown, Tukwila and Sea Tac. This position will perform maintenance on railway signal and communications equipment such as CCTV cameras and monitors switch machines, vital relays, microprocessor controlled interlocking programmable controllers, fiber optic links, programmable multiplexers servers, stand-alone computers, power supplies and associated communications equipment.

WORK ENVIRONMENT: Outside with some office/vehicle.

ESSENTIAL FUNCTIONS: Conduct fault diagnosis; inspect, test, modify, maintain and repair signal and communications equipment. Inspect, repair and maintain electrical, electronic, mechanical, and hydraulic equipment including grade crossing mechanisms, switch machines, multiplexers, microprocessor controlled interlocking, vital battery systems, cameras, monitors, fiber optic links, servers, stand alone PCs, power supplies, other complex machinery and equipment. Operate common, specialized tools and equipment such as mechanical lift devices, support structure, and poles to perform inspection, maintenance and repair tasks. Flag track-way to provide safe rail work zones; set up work-zone traffic control areas. Record and document maintenance and diagnostic data. Perform other duties as assigned.

PHYSICAL DEMAND	HRS PER SHIFT	PHYSICAL DEMAND	HRS PER SHIFT
Standing	30 min – 1 hour	Reaching knee-waist	30 min – 2 hours
Walking <input type="checkbox"/> uneven terrain	1 – 6 hours	Reaching floor-knee	1 – 4 hours
Sitting	1 – 6 hours	Lifting/Carrying 1-10#	1 – 2 hours
Climbing stairs	0 – 30 minutes	Lifting/Carrying 11-20#	30 min – 2 hours
Climbing <u>ladder</u>	0 – 30 minutes	Lifting/Carrying 21-50#	0 – 1 hour
Balancing	0 – 30 minutes	Lifting/Carrying 51-100#	0 – 30 minutes
Bending/Stooping	1 – 4 hours	Lifting/Carrying 100+#	0
Kneeling	2 – 4 hours	Handling	1 – 4 hours
Crouching	2 – 4 hours	Hand Controls	0 – 1 hour
Crawling	0 – 15 minutes	Fingering <input checked="" type="checkbox"/> keyboarding	1 – 2 hours
Foot controls	0 – 3 hours	Vision to assure safety of others	0 – 8 hours
Reaching above shoulders	30 min – 2 hours	Hearing to assure safety of others	0 – 8 hours
Reaching waist-shoulder	30 min – 2 hours	See Colors	0 – 8 hours

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 110 DBL
 Other _____

Special Requirements:

- CDL Respirator use

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

Physician's Signature

Date