## **Job Analysis Form**

PATIENT NAME: \_

Alternate Format Available



Exposures:

## SHORT FORM FOR PRE-EMPLOYMENT PHYSICALS

JOB TITLE: Rail Electrical Worker

JOB DESCRIPTION: Rail Electrical Workers safely operate power distribution equipment in support of revenue	_X_Outside weather
and non-revenue service; work in high places from mechanical lift devices, support structures and poles; and	Non-weather related
use common and specialized tools and equipment to perform inspection, maintenance and repair tasks. Rail	temp below 55 <sup>0</sup>
Electrical Workers prioritize emergency tasks in the absence of on-site supervision.	_X_Non-weather related
WORK ENVIRONMENT: Field with some office/vehicle.	temp above 75°
ESSENTIAL FUNCTIONS: Maintain LR Overhead Contact System (OCS); maintain light rail overhead lines	_X_Humidity/dampness
and associated components, underground feeders, switches, electrical wiring and systems including a variety	X_Moving mechanical parts
of single phase, three phase and DC systems. Perform routine inspection, maintenance, repair and upgrades	
to OCS components such as messenger wire, contact wire, section insulators, pole and enclosure mounted	X_Exposed high places
switches, air gaps, insulated and un-insulated overlaps, poles, and associated equipment. Perform inspections,	_X_Vibration
maintenance and upgrades of substations and their components such as switches, transformers, rectifiers,	TOXIC OF Caustic Criefficals
fuses, relays, programmable logic controllers (PLCs), batteries, chargers and associated equipment (including	_X_Confined spaces
the LRV shop stinger system). Maintain and repair equipment in Light Rail shops, offices, park and ride lots,	_X_WetGasses
and tunnels. Perform high voltage hot-line work; maintain and repair low voltage systems such as fire and	Fumes <u>X</u> Odors
security alarms; maintain and repair auxiliary power plants, transfer switches and uninterruptible power supplies;	X_DustsMists
perform high voltage tests on power cables and equipment; splice, maintain and terminate all types of low and	RadiationExplosives
high voltage cable; pull, rack and secure high and low voltage cables in manholes, conduits, tunnels and vaults.	X_Noise Level <u>130 DBL</u>
Program and troubleshoot PC, PLC and micro-processor based control systems. Manually operate power	Other
switches and breakers under direction of the Operations Control Center (OCC). Flag track-way to provide safe	Special Requirements:
rail work zones. Set up work zone traffic control areas. Maintain work records and complete work requests.	
Load and unload tools, materials and equipment. Trim trees and other vegetation which may interfere with	☑CDL ☑ Respirator use
train movement or electrical installations. Maintain appropriate parts stock on assigned vehicles. Operate	
company assigned vehicles, including hi-rail and aerial lift equipment and perform rolling inspections from raised	
aerial equipment. Install, troubleshoot, and repair equipment required for underground distribution systems, tract	
facilities. Locate, repair and clear faults in underground systems. Bend, install, maintain and repair all types of c	
Read and interpret distribution maps, feeder maps, and other drawings in performing switching and tagging. Planting and tagging and taggin	
activities and work with other trades and divisions. Pump water from vaults and manholes. Perform snow and ic	e removai.
Respond to emergency calls as necessary. May inspect work completed by contractors.	
Assist other trades as needed. Perform other duties as assigned.	

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PHYSICAL DEMAND	HRS PER SHIFT
Standing	30 min – 6 hours
Walking   ☑ uneven terrain	30 min – 6 hours
Sitting	30 min – 6 hours
Climbing stairs	15 min – 2 hours
Climbing <u>ladder</u>	15 min – 1 hour
Balancing	0 – 1 hour
Bending/Stooping	0 – 2 hours
Kneeling	0 – 4 hours
Crouching	0 – 4 hours
Crawling	0 – 2 hours
Foot controls	0 – 6 hours
Reaching above shoulders	0 – 2 hours
Reaching waist-shoulder	0 – 2 hours

PHYSICAL DEMAND	HRS PER SHIFT
Reaching knee-waist	0 – 4 hours
Reaching floor-knee	0 – 2 hours
Lifting/Carrying 1-10#	0 – 6 hours
Lifting/Carrying 11-20#	0 – 6 hours
Lifting/Carrying 21-50#	0 – 2 hours
Lifting/Carrying 51-100#	0 – 5 minutes
Lifting/Carrying 100+#	0
Handling	0 – 6 hours
Hand Controls	0 – 6 hours
Fingering   keyboarding	0 – 2 hours
Vision to assure safety of others	0 – 6 hours
Hearing to assure safety of others	0 – 6 hours
See Colors	0 – 6 hours

I have reviewed the

following Job Analysis for the above-named candidate.			
Physician's Signature	Date	_	