PHYSICAL DEMANDS DESCRIPTION (PDD)

Date	July 27, 200)6						Ar	nalyst Je	ennifer Yorke B. Sc. (Hons Kin)	
		e & Utility - General				Jo	b Title	Electric		Company Stacey Electric & K-Line	
The state of the s				*FREQUENCY				LOAD (object/tool)			
PHYSICAL DEMANDS			Not Component	Seldom	Minor	Required	Major	Maximum (Kg)	Usual (Kg)	COMMENTS	
STRENGTH	Lifting					Х		30	1 - 5	Working with tools (usually ratchets, hammers, etc.); materials handling	
	Carrying					Х		30	22	Unloading materials (eg. Rubber insulators for wires); carrying traffic lights & poles	
	Pushing				X					Pushing pole into place during installation, pushing bolts through drill holes	
	Pulling				Х			85		Pulling on wire to ensure it will not droop and touch other wires or items, opening submersible lids	
	Handling						X	30	1 - 5	Materials and tools handling (eg. Cordless drill)	
STR	Throwing			X						Tossing items to electrician in the bucket approx. 8' from the ground	
	Gripping	Power Grasp				Х				Most bucket lift work (pole framing) is completed wearing anti-shock gloves	
		Pinch Grasp			X					Connecting wiring, writing	
	Reaching	Above Shoulder		X							
		Below Shoulder					X			Bucket work, shoveling, running auger	
		To the Side			Х					Awkward positions during bucket work	
	Shoulder Abduction				X			Awkward positions during bucket work			
		Flexion			Х			Attaching new insulators to the installed pole, bolting traffic pole to new bracket			
	Hip	Abduction		X				Wide stance in bucket for balance			
	Wrist	Flexion/Extension			X			Using bucket controls, covering wire with insulators, writing			
70		Radial/Ulnar Devn				X		Hammer use, shovel use, etc.			
E		Pronate/Supinate		X				Screwdriver use			
CR	Trunk	Flexion					X	Bucket work, driving to the work site, shovelling			
POSTURES		Extension		X				Communicating with worker in the bucket, examining pole installation from ground			
Ь		Side Bend			X			Bucket work			
		Twist		X				Bucket work			
	Neck	Flexion				X		Bucket work, augering, writing			
		Extension		X							
		Side Bend		X				Awkward positions during bucket work			
	a	Twist		X					-	s during bucket work	
	Sitting			X				Driving to the work location			
	Standing						X				
	Walking				X			Gathering materials, walking between transformers Climbing into and out of the bucket or truck			
7	Climbing			X				Cilmbing	g iiio and o	out of the bucket of truck	
MOBILITY	Crawling Crouching		X								
BII			X		-						
[0]	Kneeling			X	-		1	Bucket :	work note	framing, traffic light installation	
Z	Balancing Foot One Foot			***		X		Ducket V	vork - pole	maning, traine fight histaliation	
	Foot One Foot Feet		-	X	-		***	Standing	in hucket	shoveling new fill around pole	
	Fine Finger Movements				v		X	Connecting wires, using bucket lift controls, filling out inspection			
	Time Tinger Movements				X			sheets	,, 1100, 1	assing outlets in controls, mining out hispection	
						*FREQ	UENCY	7			

 $SELDOM = Not \ always \ performed \ during \ completion \ of \ job \\ MINOR = Performed \ less \ than \ 25\% \ of \ job$

 $\label{eq:REQUIRED} \begin{aligned} & \text{REQUIRED} = \text{Frequent Repetition for 25\%-50\% of job} \\ & \text{MAJOR} = \text{Frequent Repetition for more than 50\% of job} \end{aligned}$

PHYSICAL DEMANDS DESCRIPTION (PDD)

PHYSICAL DEMANDS			Not Component	*FREQUENCY				
				Seldom	Minor	Required	Major	COMMENTS
SENSORY/PERCEPTUAL	Hearing	Conversations				X		Communicating with partner regarding task at hand
		Other Sounds		X				Potential emergency calls and alarms
		Far				X		Past 5 feet; Determining if re-connected lines are straight
	Vision	Near			X			Pole framing, traffic light installation (bucket work)
		Colour			X			Wiring traffic lights, connecting wires
		Depth			X			Used in transformer inspections, light installations
EI	Perception	Spatial – organization				X		Straightening pole during installation
Y/F		Form - recognition			Х			Identifying different bolt lengths, finding items in tool bag
R	Feeling						X	Finding an item in the bucket tool bag, tightening bolts
SO	Reading				X			Reading work orders
EN	Writing				X			Filling work orders
S	Keying/Typing		Х					
	Speech					Х		Communicating with partner on ground/in bucket
	Outside Work						X	
	Hot					Х		Average max. temp. (for the GTA) in July is 29C. Work continues during hot weather. Workers wear coveralls (& thick anti-shock gloves if working on lines)
	Cold				X			Work continues during the winter months – extreme cold limits ability to work
	Humid				X			Usually the weather is humid during the summer months – work continues during humid weather
WORK ENVIRONMENT	Dry						X	Outdoor work stops during heavy rain; work mostly in dry weather/environments
ME	Dust				X			Outdoor allergens, dust from augering
N	Vapour Fumes						X	Traffic, bucket lift generator
RC	Noise						X	Traffic, generator to power bucket lift, augers
VI	Vibration	Whole Body		X				Driving to a work site
EN		Upper Extremity		X				Drilling
K]	Contact Stress					X		Drilling, hammering, loosening rusted bolts, etc.
\mathbf{OR}	Striking with Hand/Fist		Х					Striking is accomplished with hand tools (ie. Hammers)
M	Moving Objects						X	Traffic, bucket lift constantly moving in the wind
	Hazardous Machines			X				Tools & lift truck are safe if kept in repair
	Electrical						X	
	Sharp Tools				X			Cutting devices to strip wires, wire cutters
	Radiant/Thermal Energy		Х					
	Slippery			X				Tools, the bucket, etc. can become slippery when it rains
	Congested Worksite						X	Traffic concerns
	Chemical Irritants			X				Spray used to loosen rusted bolts
	Works Independent but in Group						X	Works in groups & pairs
S	Operate Equipment/Machinery						X	Bucket lift, drills, auger, hydrovac
ION	Machine Paced				X		1	Bucket lift ascends/descends at a one speed, auger speed
CONDITIONS	Production Quotas				X			Power shut offs are scheduled for certain timeframes, need for traffic control officers affects production times
[02]	Deadline Pressures				X			Continuous work rate
	Irregular/Extended Hours			X	A			Emergency calls
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