PHYSICAL DEMANDS DESCRIPTION (PDD)

Date	July 26, 200)6						Ar	nalyst Je	ennifer Yorke B. Sc. (Hons Kin)	
		e & Utility – Pole Ins	tallatio					Electric		Company Stacey Electric & K-Line	
PHYSICAL DEMANDS			Not Component	*FREQUENCY				LOAD (object/tool)			
				Seldom	Minor	Required	Major	Maximum (Kg)	Usual (Kg)	COMMENTS	
	Lifting					X		30	1 - 5	Working with tools (usually ratchets, hammers, etc.); materials handling	
	Carrying					Х		30	22	Unloading materials (eg. Rubber insulators for wires)	
	Pushing				X					Pushing pole into place during installation	
н	Pulling				X					Pulling on wire to ensure it will not droop and touch other wires or items	
STRENGTH	Handling						X	30	1 - 5	Materials and tools handling (eg. Cordless drill)	
TRE	Throwing			X						Tossing items to electrician in the bucket approx. 8' from the ground	
9 1	Gripping	Power Grasp				X				Most bucket lift work is completed wearing thick anti-shock gloves	
		Pinch Grasp			X					Connecting wiring	
	Reaching	Above Shoulder		X							
		Below Shoulder					X			Bucket work, shoveling, running auger	
		To the Side			X					Awkward positions during bucket work	
	Shoulder	Abduction			X			Awkward positions during bucket work			
		Flexion			X			Attaching new insulators to the installed pole			
	Hip	Abduction		X					cket for balance		
	Wrist	Flexion/Extension			X			Using bucket controls, covering wire with rubber insulators			
		Radial/Ulnar Devn				X		Hammer use, shovel use, etc.			
ES		Pronate/Supinate		X				Screwdriver use			
UR	Trunk	Flexion					X	Bucket work, driving to the work site, shoveling			
POSTURES		Extension		Х				Communicating with worker in the bucket, examining pole installation from ground			
P(Side Bend			X			Bucket work			
		Twist		X					Bucket work		
		Flexion				X		Bucket v	work, auge	ering	
	Neck	Extension		X							
		Side Bend		X				Awkward positions during bucket work			
	a	Twist		X						ns during bucket work	
	Sitting			X				Driving to the work location			
	Standing						X	Cothonics metalish			
	Walking				X			Gathering materials Climbing into and out of the bucket or truck			
ΙΥ	Climbing			X				Climbin	g into and	out of the bucket of truck	
	Crawling Crouching		X								
MOBILITY	Kneeling		X	v							
M	Balancing			X		X		Bucket	vork - nol	e framing	
. ,	Foot One Foot			X		Λ		Ducket \	,, ork - bor	o manning	
	Action Feet			^			X	Standing	in bucke	t, shoveling new fill around pole	
		Movements			X		- 11			using bucket lift controls	
	1 - 111501		<u>i </u>	l		FREO	UENC		<i>G</i>	5 	

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

REQUIRED = Frequent Repetition for 25%-50% of job MAJOR = Frequent Repetition for more than 50% of job

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PHYSICAL DEMANDS			—	*FREQUENCY				
			Not Component	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
	Vision	Far				X		Past 5 feet; Determining if re-connected lines are straight
		Near				X		Pole framing (working in the bucket)
		Colour		X				
		Depth			X			Determining depth of the augered hole during pole install
Œ	Perception	Spatial – organization				X		Straightening pole during installation
ΚV		Form - recognition			X			Identifying different bolt lengths, finding items in tool bag
)R	Feeling						X	Finding an item in the bucket tool bag, tightening bolts
S	Reading			X				Reading work orders
A	Writing			X				Filling work orders
S	Keying/Typing		X					
i	Speech					X		Communicating with partner on ground/in bucket
	Outside Wo	rk					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
	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
LNE	Dry						X	Outdoor work stops during heavy rain; work mostly in dry weather/environments
	Dust				Х			Outdoor allergens, dust from augering
Z	Vapour Fumes						X	Traffic, bucket lift generator
IR	Noise						X	Traffic, generator to power bucket lift, augers
2	Vibration	Whole Body		X				Driving to a work site
WORK ENVIRONMENT		Upper Extremity		X				Drilling
	Contact Stress					X		Drilling, hammering, loosening rusted bolts, etc.
	Striking with Hand/Fist		X					Striking is accomplished with hand tools (ie. Hammers)
>	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		X					
	Slippery			X				Tools, the bucket, etc. can become slippery when it rains
	Congested Worksite						Х	Traffic concerns
	Chemical Irritants			X				Spray used to loosen rusted bolts
	Works Independent but in Group						Х	Works in groups & pairs
SNC	Operate Equipment/Machinery						X	Bucket lift, drills, auger, hydrovac
IIC	Machine Paced				Х			Bucket lift ascends/descends at a one speed, auger speed
CONDITIONS	Production Quotas				Х			Power shut offs are scheduled for certain timeframes
COL	Deadline Pressures				X			Continuous work rate
	Irregular/Extended Hours			X				Emergency calls
		s performed during completions than 25% of job	on of job		*FR	EQUEN	CY	REQUIRED = Frequent Repetition for 25%-50% of job MAJOR = Frequent Repetition for more than 50% of job

Prepared by: Jennifer Yorke B. Sc. (Hon. Kin.)

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