			PHYSIC		eQUIREMENTS/V of Virginia Beac		DITIONS			
	- ·						Position Number	er(PCN):	B.006755	
Job Title:	Engineer II									
Div./Office:	PWD 517 Coast Project Manage	-	Approver's Na	me						
Date of Last Update: August 17, 2023			Approver's Title							
Fields to the right (Y/N): The position's status AND If the background check must be passed by the incumbent			Safety Sensitive:	No	Child Protective Services (CPS) Background: PREA Certification:		No	VCIN Backgrou	ınd:	No
			CJIS Certification:	No			No	Subject to Barr Provisions:	ier Crime	No
					REQUIREMENTS	5	<u> </u>	<u>'</u>		
FR	EQUENCY: Seldo	m = Infrequent,	< 5%; Occasion a	al = 5% to 25% of 1	time on job; Freq	uent = 25% to 75	5% of time on job	; Constant = Ove	er 75% of time on	job.
Тур	ical DURATION:	Short = < 1 hr pe	er occurrence; N	loderate = 1-2 hr	rs per occurrence	e; Substantial = 2	2-6 hrs per occur	rence; Long = >	6 hrs per occurre	ence.
	P	hysical Deman	ds				Working Conditions			
Element	Condition/	Level/Value	Frequency	Duration		Element	Condition/Level/Value		Frequency	Duration
Standing			Occasional	Short		Working Outsi	ide: in all weath	er conditions	Seldom	Short
Walking			Occasional	Short		Working Alone w/others	king Alone: out of communication hers			N/A
Sitting			Frequent	Substantial		Extreme	N/A		N/A	N/A
Reaching	N/A	N/A		N/A		Temperatures				
	Up to 25 lbs.		Seldom	Short		Extreme Wetn	eme Wetness		N/A	N/A
Lifting						Extreme Dryne	ctreme Dryness		N/A	N/A
Carnina	Weight:	Up to 10 lbs.	Seldom	Short		Exposure to	N/A		N/A	N/A
Carrying	Distance:	N/A	N/A	N/A		Traffic				
Pushing	Estimated weight-re		esistance equiv	alency		Congested Are		ea/Workspace		N/A
rusiiiig	N/A		N/A	N/A		Confined Space- Permit REQUIRED		RED	N/A	N/A
Dulling	Estimated weight-re		esistance equiv	alency		Working Belov	ow Ground		N/A	N/A
Pulling	N/A		N/A	N/A		Working at	N/A		N/A	N/A
Working	N/A		N/A	N/A		Heights (ft.)				
Overhead							85 decibels TWA	N/A	N/A	N/A
	Weight:	N/A	N/A	N/A		for 8 hrs.	_			
Climbing Stair	's		N/A	N/A			N/A		N/A	N/A
Climbing Ladders			N/A	N/A		Vibrations		_		
Balancing			N/A	N/A			Body area(s):	Ex- Trunk, sho	ulders, arms, and	hands.
Stooping			N/A	N/A			Dirt / Particulate		N/A	N/A
Kneeling/Squatting			N/A	N/A		Radiation			N/A	N/A
Bending			N/A	N/A			ilica/Fiberglass		N/A	N/A
Crawling			N/A	N/A		Asbestos	T		N/A	N/A
Explosive Strength: Short bursts of muscle force to propel oneself.			N/A	N/A		Aerosols &	N/A		N/A	N/A
torce to proper	orieseii.					Gases	1		ļ	
Trunk Strength: Use of abdominal and lower		N/A	N/A		Hazardous Ma	terials		N/A		
back muscles.								/Chemicals	undefined	
D ai a Chuan							I		undefined	I
Dynamic Strength: Use of muscle force repeatedly or continuously & resistant to			N/A	N/A		Petroleum	N/A		N/A	N/A
fatigue.	orienta dasily acre	Sistaire to				Products				
Repetitive Limb	Fingers/Wrist		Frequent	Substantial		Electrical Hazard			N/A	N/A
Movement	nent					Fire Hazard			N/A	N/A
Dexterity	Use of computer keyboard		Frequent	Substantial		Infectious	N/A		N/A	N/A
	Handwriting		Frequent	Substantial		Diseases				
D4141			N/A			Exposure	Ev. Donair sower pines; empty residence track		l ans	
Repetitive N/A		IN/A	N/A		Type(s):	Ex- Repair sewer pipes; empty residence trash cans.				
Twisting					Symbols:	< equal to or less than		< less than		
Awkward Positions & Motions	N/A		N/A	N/A			> equal to or	greater than	> great	er than
	Ī			1						

	Sensory Demar	nds		Working Conditions (cont.)						
Element	Condition/Level/Value	Frequency	Duration	Element	Condition/Level/Value	Frequency	Duration			
	20/40 w/correction	Frequent	Substantial		N/A	N/A	N/A			
				Hazardous Surfaces						
Vision				Surraces						
					N/A	N/A	N/A			
Hearing	Conversational level	Frequent	Substantial	Other Hazards						
	N/A	N/A	N/A				†			
Smell	1477	1477	1077		More than 40 hours/week	Seldom				
				Hours	More than 8 hours/day	Seldom				
	N/A	NI/A	N/A	Worked	*		-			
Touch	IN/A	N/A	IN/A		More than 5 consecutive days	Seldom				
				Telework	Yes					
Voice			Moderate	Eligible						
	Personal Protective Equi	_		Equipment Operation & Use						
Category	Туре	Frequency	Duration	Category	Туре	Frequency	Duration			
	N/A	N/A	N/A	Motor	Sedan/Pickup/Van	Occasional	Short			
Eye and Face				Vehicles						
Protection					N/A	N/A	N/A			
				Heavy						
Respiration	N/A	N/A	N/A	Equipment						
Protection										
Hearing	N/A	N/A	N/A		N/A	N/A	N/A			
Protection				Other						
Head	Hard hat (impact protection)	Seldom	Short	Equipment or						
	riara riae (impace proceedori)	Scidoini	SHOLE	Machinery						
Protection					N/A	N/A	N/A			
	NI/A	N1/A	NI/A		IN/A	IN/A	IN/A			
Hand	N/A	N/A	N/A	Hand-Held Power Tools						
Protection				rowei ioois						
							ļ			
	Steel/composite toe-safety	Seldom	Short		N/A	N/A	N/A			
Foot	rated			Hand Tools						
Protection				and			ļ			
				Instruments						
Body, Arm,	N/A	N/A	N/A							
and Leg				Office	Computer	Frequent	Substantial			
Protection				Machines &						
				Equipment						
	Operator Licer	ise		Commercial Driver's License						
NOTE: If CDL is	Туре			VA DMV requires: 20/40 in each						
required, show	Standard Driver's License			eye w/o telescop	eye w/o telescopic lens & ≥140° N/A					
CDL Class in				horizontal vision.						
element to right.										
1.6116										
Other physical	or concoru									
Other physical demands work	or sensory king conditions,									
	zards, PPE, etc.,									
not indicated a										

Mental Requirements

Evaluate based on the level of complexity [least to most] inherent in the job using the examples provided; then select the number from the drop-down list that matches the column which best represents the mental demand required in each element.

Comprehend Verbal Communication - Understand information and directions which are provided verbally

ob requires the ability to understand and follow:

Complex information where the listener must analyze the information presented, discern the key facts vs. opinions, and make a determination on appropriate recommendation or action

2 Communicate Orally - Verbally express thoughts and directions

Job requires:

Explaining and interpreting specialized, and sometimes sensitive, information to co-workers, customers, citizen groups or higher officials.

3 Comprehend and Follow Written Material or Instructions - Understand written material, interpret appropriately, and adhere to the procedures stated.

Job requires ability to comprehend:

Detailed written material such as analytical, statistical, or status reports where information will be interpreted and applied to course of action.

4 Written Communication Skills - Express thoughts and directions in writing

lob requires:

Written explanation and interpretation of specialized information to other City agencies, customers, higher officials and authorities.

5 Maintain an Appropriate Work Pace - The flow or rate of incoming work assignments and the expectations for completion of tasks

ob requires ability to adhere to work schedule:

In moderately paced environment with some unexpected assignments.

6 Perform Complex or Varied Tasks - The variety of tasks and assignments and the level of complexity of those tasks/assignments

ob requires ability to perform:

A variety of tasks at the fully functional independent level.

7 Interact and Relate to Peers, Co-Workers, or the Public - The nature and level of interaction with others required of the job

lob requires interaction:

With a variety of individuals or groups outside the immediate unit/agency to collaborate on issues or projects.

8 Decision Making & Reasoning Ability - The extent to which the job requires logic to analyze information, draw conclusions/ generalizations, and make decisions based on facts

lob requires

Considerable reasoning and decision making. Issues and/or data are interpreted and evaluated, alternatives are evaluated, and recommendations are made for resolution of issues.

9 Memory and Recall - The body of stored knowledge required and the retrieval of that information to accomplish duties

Job requires the ability to:

 $Remember information from broad bodies of knowled \underline{g} e (engineering, psychology, biology, law, etc.) and apply it to projects and assignments. \\$

10 Flexibility and Adaptability - The extent to which one must adjust to changing circumstances and expectations, take on new challenges on short notice, and/or deal successfully with changing priorities and workloads

Job requires flexibility and willingness:

To adjust to non-typical conditions or situations where a new or different process/procedure must be utilized to accomplish work.

11 Attention Span - Sustained attention or the time spent continuously on task without becoming distracted to successfully perform duties

Job tasks are:

Varied, substantially long, and require considerable focus. Lapses may result in operational or production delays.

12 Attention to Detail - Thoroughness and accuracy are required to accomplish tasks

Job tasks:

Involve investigation, inspection, auditing, or observation. Inattention to detail could result in confusion and delays.

13 Reaction Time - Describes work that requires an immediate response or decision

Job requires the ability to:

Provide an immediate response/decision to situations outside of normal daily operations, procedures or processes. Delays occur if response is not timely.

14 Direct, Control, and Plan the Work of Others - Determine the time, place and sequence of work procedures, operations, and actions. Establish goals and objectives, motivate, and promote cooperation and teamwork in the work group

Job requires:

No supervision or management of staff.

 $15\,Influence\,Others\,-\,Obtain\,cooperation\,from\,others\,to\,accomplish\,tasks\,and\,objectives$

Job requires:

Obtaining support and cooperation from citizens and outside groups to accomplish objectives.

16 Stress Tolerance - Ability to perform duties without anxiety when faced with difficulties. Having positive stress tolerance is being able to stay calm in situations of heavy workload, tight deadlines, and/or difficult customers

Job requires the ability to:

Tolerate typical work stressors such as deadlines or conflict and maintain composure.