

PHYSICAL & MENTAL REQUIREMENTS/WORKING CONDITIONS									
City of Virginia Beach, VA									
Job Title:	Public Works Facilities Engineer					Position Number(PCN):	B.003463.2		
Div./Office:	PWD 650 Building Maintenance Management and Support	Approver's Name							
Date of Last Update:	September 25, 2021	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:			No	VCIN Background:	No		
REQUIREMENTS									
FREQUENCY: Seldom = Infrequent, < 5%; Occasional = 5% to 25% of time on job; Frequent = 25% to 75% of time on job; Constant = Over 75% of time on job.									
Typical DURATION: Short = < 1 hr per occurrence; Moderate = 1-2 hrs per occurrence; Substantial = 2-6 hrs per occurrence; Long = > 6 hrs per occurrence.									
Physical Demands				Working Conditions					
Element	Condition/Level/Value		Frequency	Duration	Element	Condition/Level/Value		Frequency	Duration
Standing			Occasional	Short	Working Outside:		in all weather conditions		N/A
Walking			Occasional	Short	Working Alone:		out of communication w/others		N/A
Sitting			Frequent	Substantial	Extreme Temperatures	N/A		N/A	N/A
Reaching	N/A		N/A	N/A	Extreme Wetness			N/A	N/A
Lifting	Up to 10 lbs.		Occasional	Short	Extreme Dryness			N/A	N/A
Carrying	Weight:	Up to 10 lbs.	Occasional	Short	Exposure to Traffic	N/A		N/A	N/A
	Distance:	Up to 10 ft.	Occasional	Short					
Pushing	Estimated weight-resistance equivalency				Congested Area/Workspace		N/A		N/A
	Up to 10 lbs.		Occasional	Short	Confined Space- Permit REQUIRED		N/A		N/A
Pulling	Estimated weight-resistance equivalency				Working Below Ground		N/A		N/A
	Up to 10 lbs.		Occasional	Short	Working at Heights (ft.)	N/A		N/A	N/A
Working Overhead	N/A		N/A	N/A	Noise Level:	> 85 decibels TWA for 8 hrs.		N/A	N/A
	Weight:	N/A	N/A	N/A					
Climbing Stairs			N/A	N/A	Vibrations	N/A		N/A	N/A
Climbing Ladders			N/A	N/A					
Balancing			N/A	N/A		Body area(s):	Ex- Trunk, shoulders, arms, and hands.		
Stooping			N/A	N/A	Dust / Dirt / Particulate		N/A		N/A
Kneeling/Squatting			N/A	N/A	Radiation		N/A		N/A
Bending			N/A	N/A	Silica/Fiberglass		N/A		N/A
Crawling			N/A	N/A	Asbestos		N/A		N/A

Explosive Strength: Short bursts of muscle force to propel oneself.		N/A	N/A		Aerosols & Gases	N/A	N/A	N/A
Trunk Strength: Use of abdominal and lower back muscles.		N/A	N/A		Hazardous Materials /Chemicals	N/A		
						undefined		
						undefined		
Dynamic Strength: Use of muscle force repeatedly or continuously & resistant to fatigue.		N/A	N/A		Petroleum Products	N/A	N/A	N/A
Repetitive Limb Movement	Fingers/Wrist	Frequent	Moderate		Electrical Hazard		N/A	N/A
					Fire Hazard		N/A	N/A
Dexterity	Use of computer keyboard	Frequent	Moderate		Infectious Diseases Exposure Type(s):	N/A	N/A	N/A
	Handwriting	Frequent	Moderate					
Repetitive Twisting	N/A	N/A	N/A		Symbols:	Ex- Repair sewer pipes; empty residence trash cans.		
						< equal to or less than	< less than	
Awkward Positions & Motions	N/A	N/A	N/A			> equal to or greater than	> greater than	

Sensory Demands					Working Conditions (cont.)			
Element	Condition/Level/Value	Frequency	Duration		Element	Condition/Level/Value	Frequency	Duration
Vision	20/40 w/correction	Frequent	Moderate		Hazardous Surfaces	N/A	N/A	N/A
Hearing	Conversational level	Frequent	Moderate		Other Hazards	N/A	N/A	N/A
Smell	N/A	N/A	N/A					
Touch	N/A	N/A	N/A		Hours Worked	More than 40 hours/week	Frequent	
						More than 8 hours/day	Frequent	
Voice	Speaks to groups	Frequent	Short			More than 5 consecutive days	Frequent	
Personal Protective Equipment (PPE)					Equipment Operation & Use			
Category	Type	Frequency	Duration		Category	Type	Frequency	Duration
Eye and Face Protection	N/A	N/A	N/A		Motor Vehicles	Sedan/Pickup/Van	Occasional	Moderate
					Heavy Equipment	N/A	N/A	N/A
Respiration Protection	N/A	N/A	N/A					
					Other Equipment or Machinery	N/A	N/A	N/A
Hearing Protection	N/A	N/A	N/A					
Head Protection	N/A	N/A	N/A		Hand-Held Power Tools	N/A	N/A	N/A
Hand Protection	N/A	N/A	N/A					
					Hand Tools and Instruments	N/A	N/A	N/A
Foot Protection	N/A	N/A	N/A					
					Office Machines & Equipment	Computer	Frequent	Moderate
Body, Arm, and Leg Protection	N/A	N/A	N/A					

Operator License			Commercial Driver's License	
NOTE: If CDL is required, show CDL Class in element to right.	Type		VA DMV requires: 20/40 in each eye w/o telescopic lens & ≥140° horizontal vision.	N/A
	Standard Driver's License			
Other physical or sensory demands, working conditions, equipment, hazards, PPE, etc., not indicated above:				

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.	
1 Comprehend Verbal Communication - Understand information and directions which are provided verbally	Level
Job requires the ability to understand and follow:	
Complex information where interpretation of vision and strategy is required to develop policy and/or course of action.	
2 Communicate Orally - Verbally express thoughts and directions	Level
Job requires:	
Communicating complex information to higher officials and authorities.	
3 Comprehend and Follow Written Material or Instructions - Understand written material, interpret appropriately, and adhere to the procedures stated.	Level
Job requires ability to comprehend:	
Complex written material where significant interpretation and evaluation are required to successfully apply content without guidance.	
4 Written Communication Skills - Express thoughts and directions in writing	Level
Job requires:	
Preparation of reports and documents involving complex information.	
5 Maintain an Appropriate Work Pace - The flow or rate of incoming work assignments and the expectations for completion of tasks	Level
Job 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	Level
Job 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	Level
Job requires interaction:	
With diverse citizen groups, government officials, and/or business leaders exchanging sensitive information or completing complex 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	Level
Job requires:	
Substantial independent decision making and reasoning in applying abstract principles to solve complex conceptual issues and render decisions having impact of the highest magnitude on City operations and/or budget. Job is limited only by budget and policy stipulations.	
9 Memory and Recall - The body of stored knowledge required and the retrieval of that information to accomplish duties	Level
Job requires the ability to:	
Memorize complex procedures, policies, and laws, and recall and apply to difficult issues or develop innovative strategies or work products.	
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	Level
Job requires flexibility and willingness:	
To change complex procedures to accommodate requirements of higher authorities.	
11 Attention Span - Sustained attention on the time spent continuously on task without becoming distracted to successfully perform duties	