

PHYSICAL & MENTAL REQUIREMENTS/WORKING CONDITIONS City of Virginia Beach, VA									
Job Title:	Engineering Technician II				Position Number(PCN):	B.007757			
Div./Office:	PLN 160 Development Services Center	Approver's Name							
Date of Last Update:	December 23, 2024	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	
CJIS Certification:		No	PREA Certification:		No	Subject to Barrier Crime Provisions:		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		Occasional	Moderate		
Walking		Occasional	Short	Working Alone: out of communication w/others		Occasional	Moderate		
Sitting		Frequent	Substantial	Extreme Temperatures	N/A	N/A	N/A		
Reaching	Lower than shoulder level	Seldom	Short	Extreme Wetness		N/A	N/A		
Lifting	Up to 25 lbs.	Seldom	Short	Extreme Dryness		N/A	N/A		
Carrying	Weight: Up to 25 lbs.	Seldom	Short	Exposure to Traffic	High Traffic Low Speed	Seldom	Short		
	Distance: Up to 25 ft.	Seldom	Short						
Pushing	Estimated weight-resistance equivalency			Congested Area/Workspace		N/A	N/A		
	Up to 50 lbs.	Seldom	Short	Confined Space- Permit REQUIRED		N/A	N/A		
Pulling	Estimated weight-resistance equivalency			Working Below Ground		N/A	N/A		
	Up to 50 lbs.	Seldom	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	Vibrations		N/A	N/A		
Climbing Stairs		Seldom	Short	Dust / Dirt / Particulate		Occasional	Moderate		
Climbing Ladders		N/A	N/A	Radiation		N/A	N/A		
Balancing		N/A	N/A	Silica/Fiberglass		N/A	N/A		
Stooping		N/A	N/A	Asbestos		N/A	N/A		
Kneeling/Squatting		N/A	N/A	Aerosols & Gases	N/A	N/A	N/A		
Bending		N/A	N/A					Hazardous Materials /Chemicals	
Crawling		N/A	N/A	Petroleum Products		N/A	N/A		
Explosive Strength: Short bursts of muscle force to propel oneself.		N/A	N/A	Electrical Hazard		N/A	N/A		
Trunk Strength: Use of abdominal and lower back muscles.		N/A	N/A	Fire Hazard		N/A	N/A		
Dynamic Strength: Use of muscle force repeatedly or continuously & resistant to fatigue.		N/A	N/A	Infectious Diseases Exposure Type(s):	Ex- Repair sewer pipes; empty residence trash cans.	N/A	N/A		
Repetitive Limb Movement	Fingers/Wrist	Frequent	Moderate					Symbols:	
Dexterity	Arm/Shoulder	Frequent	Moderate	> equal to or greater than		> greater than			
	Use of computer keyboard	Frequent	Substantial						
Repetitive Twisting	Handwriting	Frequent	Substantial						
	N/A	N/A	N/A						
Awkward Positions & Motions	N/A	N/A	N/A						

Sensory Demands				Working Conditions (cont.)			
Element	Condition/Level/Value	Frequency	Duration	Element	Condition/Level/Value	Frequency	Duration
Vision	20/40 w/correction	Occasional	Short	Hazardous Surfaces	Abrupt uneven surfaces	Occasional	Moderate
	Depth perception	Occasional	Short		Unstable ground	Occasional	Moderate
	Color vision (colors)	Occasional	Short				
Hearing	Conversational level	Occasional	Short	Other Hazards	N/A	N/A	N/A
Smell	N/A	N/A	N/A				
				Hours Worked	N/A	N/A	
Touch	N/A	N/A	N/A				
Voice	One-on-One	Occasional	Short	Telework Eligible	Yes		
Personal Protective Equipment (PPE)				Equipment Operation & Use			
Category	Type	Frequency	Duration	Category	Type	Frequency	Duration
Eye and Face Protection	Safety glasses w/side shields	Seldom	Moderate	Motor Vehicles	Sedan/Pickup/Van	Occasional	Moderate
Respiration Protection	N/A	N/A	N/A	Heavy Equipment	N/A	N/A	N/A
Hearing Protection	N/A	N/A	N/A				
Head Protection	Hard hat (impact protection)	Seldom	Moderate	Other Equipment or Machinery	N/A	N/A	N/A
Hand Protection	N/A	N/A	N/A	Hand-Held Power Tools	N/A	N/A	N/A
Foot Protection	Steel/composite toe-safety rated	Seldom	Moderate	Hand Tools and Instruments	N/A	N/A	N/A
Body, Arm, and Leg Protection	Traffic vest	Seldom	Moderate	Office Machines & Equipment	Computer	Frequent	Substantial
					Printer/Copier/Fax	Frequent	Short
				Digital conferencing	Occasional	Moderate	
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
Job requires the ability to understand and follow: Detailed information gained from an interview or investigation where interpretation and evaluation are required to make a judgement on the accuracy of the information and the appropriate course of action.
2 Communicate Orally - Verbally express thoughts and directions
Job requires: Communicating specialized information to co-workers, supervisors or customers.
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
Job requires: Preparation of written information providing specialized information in the form of a letter, memo or report.
5 Maintain an Appropriate Work Pace - The flow or rate of incoming work assignments and the expectations for completion of tasks
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
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
Job requires interaction: With others outside of the immediate work unit/agency, typically one-on-one, responding to inquiries or responding to requests for services.
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
Job requires: Some decision making in duties such as troubleshooting where observation/judgement occurs and then a selection is made from a number of possible options for resolution.
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 laws, codes, policies, procedures, etc., which are somewhat repetitive from day to day.
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 and typically of moderate duration requiring sustained focus. Lapses may result in injury or legal or financial liability.
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 maintain 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: Little to no cooperation from co-workers or citizens to accomplish assigned tasks.
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.