



## Title: Engineering Technician II

FLSA Status: (Non-Exempt)

### BRIEF DESCRIPTION:

The purpose of this position is to provide advanced technical and paraprofessional engineering support. This is accomplished by preparing and completing plan reviews, conducting field surveys, coordinating work with other staff, project managers and departments, assisting the public, performing research, and coordinating asset data with Computerized Maintenance Management System. Other duties may include completing related tasks as assigned.

### ESSENTIAL FUNCTIONS:

Note: This information is intended to be descriptive of the key responsibilities of the position. The list of essential functions below does not identify all duties performed by any single incumbent in this position. Additionally, please be aware of the legend below when referring to the physical demands of each essential function.

(S) Sedentary	(L) Light	(M) Medium	(H) Heavy	(V) Very Heavy
Exerting up to 10 lbs. occasionally or negligible weights frequently; sitting most of the time.	Exerting up to 20 lbs. occasionally; 10 lbs. frequently; or negligible amounts constantly; OR requires walking or standing to a significant degree.	Exerting 20-50 lbs. occasionally; 10-25 lbs. frequently; or up to 10 lbs. constantly.	Exerting 50-100 lbs. occasionally; 10-25 lbs. frequently; or up to 10-20 lbs. constantly.	Exerting over 100 lbs. occasionally; 50-100 lbs. frequently; or up to 20-50 lbs. constantly.

#	Code	Essential Functions
1	L	Makes necessary field inspections, meets with contractors, and verifies that projects meet applicable codes and standards.
2	L	Performs plan reviews; reviews and approves plans as they conform to applicable City, State and Federal requirements. Prepares legal descriptions, sketches and drawings for the acquisition of easements and rights-of-way.
3	L	Maintains records and files associated with plan review process, problems and permits and enters project data into a variety of computerized tracking systems.
4	S	Performs various administrative tasks; creates Council Communications and provides assistance to Permit Specialists and Engineering Counter as necessary.
5	S	Provides oral and written responses to inquiries from construction industry professionals and building owners concerning plan check procedures, code requirements and code interpretations.
6	S	Operates computer equipment utilizing GPS, CAD and GIS software to create, update, and maintain asset data on streets, water, reclaimed water, sanitary sewer, storm sewer and others depending on area of assignment.
7	M	Operates GPS equipment to collect field data on street, reclaimed water, sanitary sewer, storm sewer, and others depending on area of assignment.



**JOB REQUIREMENTS:**

-Description of Minimum Job Requirements	
Experience	2-4 years experience. Considerable previous experience required in the same or similar previous positions. The job requires a sound knowledge of common and uncommon techniques, concepts, methods, practices, use of forms, routines, etc., of complex nature.
Education	Two year college program or equivalent combinations resulting in accumulation of similar knowledge or skills.
Technical Skill	Advanced technical skills. Work requires advanced skills, specialized knowledge, and extensive expertise in approaches and systems.
Physical Demands	Work requires moderate physical exertion. Forces exerted are equivalent to lifting between 10 and 25 pounds. Job requirements for manual dexterity or physical manipulation are also moderate. The need for physical stamina and endurance is of some significance. The degree of physical strain produced on the job is moderately taxing, and is fatiguing. Work could involve a considerable amount of walking, standing, a confining or tiring work position, or constant periods of sitting in one position where the freedom does not exist to walk about.
Contacts	Contacts are necessary to perform the job as work involves internal and external contacts for the purpose of providing guidance, instruction or technical advice or for the purpose of explaining business matters by interpreting organizational policy. Improper handling would cause problems in relationships. Work involves occasional contact with people who are upset, uncooperative or have difficulty communicating their requirements and/or an occasional requirement to communicate information that people do not want to hear or may find upsetting.
Responsibility	The job requires the provision of guidance and training to others. The job does not have formal or official supervisory responsibilities. The job does not perform a personnel function, supervise the employees or handle non-work problems.
Accountability	Decision/action situations have a significant impact on the organization. Errors are difficult to detect and result in immediate impact on resources and continuing influence on operational effectiveness. Revenue, productivity, service, quality, security of assets or external relationships may be adversely affected. Corrections may be more costly than original action.
Environment	Exposure to moderately adverse and undesirable environmental conditions. Some health and safety adverse risks. May require safety equipment and precautions.
Safety	Responsibility for personal performance as a source of minor safety risk. Work involves intermittent but daily use of equipment, tools or materials or defusing of potentially volatile situations.
Reading	Advanced - Ability to read literature, books, reviews, scientific or technical journals, abstracts, financial reports, and/or legal documents. Ordinarily, such education is obtained in at the college level or above. However, it may be obtained from experience and self-study.
Math	Intermediate - Ability to deal with a system of real numbers; and practical application of fractions, percentages, ratios/proportions and measurement. Ordinarily, such education is obtained in high school up to college. However, it may be obtained from experience and self-study.
Writing	Intermediate - Ability to write reports, prepare business letters, expositions, and summaries with proper format, punctuation, spelling, and grammar, using all parts of speech. Ordinarily, such education is obtained in high school up to college. However, it may be obtained from experience and self-study.
Certification & other requirements	Certifications or licenses may be required depending on area of assignment.



**OVERALL PHYSICAL STRENGTH DEMANDS:**

-Physical strength for this position is indicated below with “L”-				
Sedentary	Light	Medium	Heavy	Very Heavy
Exerting up to 10 lbs. occasionally or negligible weights frequently; sitting most of the time.	Exerting up to 20 lbs. occasionally, 10 lbs. frequently, or negligible amounts constantly OR requires walking or standing to a significant degree.	Exerting 20-50 lbs. occasionally, 10-25 lbs. frequently, or up to 10 lbs. constantly.	Exerting 50-100 lbs. occasionally, 10-25 lbs. frequently, or up to 10-20 lbs. constantly.	Exerting over 100 lbs. occasionally, 50-100 lbs. frequently, or up to 20-50 lbs. constantly.

**PHYSICAL DEMANDS:**

C Continuously 2/3 or more of the time.	F Frequently From 1/3 to 2/3 of the time.	O Occasionally Up to 1/3 of the time.	R Rarely Less than 1 hour per week.	N Never Never occurs.
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Note: This is intended as a description of the way the job is currently performed. It does not address the potential for accommodation.

-Physical Demand-	-Frequency-	-Brief Description-
Standing	O	Observing work site, observing work duties, communicating with co-workers
Fine Dexterity	F	Computer keyboard, telephone keypad, calculator
Walking	R	To other departments/offices, around work site
Lifting	O	Supplies, files
Carrying	O	Supplies, files
Sitting	F	Desk work, meetings, driving
Reaching	O	For supplies, for files
Handling	F	Paperwork
Pushing/Pulling	O	File drawers, tables and chairs
Climbing	R	Stairs, step stools
Vision	C	Reading, computer screen, driving
Foot Controls	O	Driving
Balancing	R	On step stools
Bending	R	Filing in lower drawers, retrieving items from lower shelves/ground
Crouching	R	Filing in lower drawers, retrieving items from lower shelves/ground
Hearing	F	Communicating via telephone/radio, to co-workers/public
Kneeling	R	Filing in lower drawers, retrieving items from lower shelves/ground
Crawling	R	Under equipment
Twisting	R	From computer to telephone
Talking	F	Communicating via telephone/radio, to co-workers/public
Other (specified if applicable)		



**MACHINES, TOOLS, EQUIPMENT, SOFTWARE, AND HARDWARE:**

Standard office equipment, CAD, GIS, Microsoft Office, bucket truck, Topcon GPS unit, surveying equipment, calculator, Vehicular Distance Instrument, variety of hand tools, small power tools, and Computerized Maintenance Management System software.

**ENVIRONMENTAL FACTORS:**

C Continuously	F Frequently	O Occasionally	R Rarely	N Never		D Daily	W Several Times per Week	M Several Times per Month	S Seasonally	N Never
-Health and Safety Factors-						-Environmental Factors-				
Mechanical Hazards			R			Extreme temperature			S	
Chemical Hazards			R			Wetness and/or humidity			S	
Electrical Hazards			R			Respiratory hazards			N	
Fire Hazards			N			Noise and vibration			N	
Explosives			N			Physical hazards			M	
Communicable Diseases			N							
Physical Danger or Abuse			N							

**PROTECTIVE EQUIPMENT REQUIRED:**

Depending on assignment: Hard hat, safety vest, gloves, safety vest. Assignments in the Engineering Department will also need safety footwear.

**NON-PHYSICAL DEMANDS:**

F Frequently From 1/3 to 2/3 of the time	O Occasionally Up to 1/3 of the time	R Rarely Less than 1 hour per week	N Never Never occurs
-Description of Non-Physical Demands-			-Frequency-
Time Pressure			O
Emergency Situation			R
Frequent Change of Tasks			O
Irregular Work Schedule/Overtime			R
Performing Multiple Tasks Simultaneously			O
Working Closely with Others as Part of a Team			F
Tedious or Exacting Work			F
Noisy/Distracting Environment			R
Other			

**PRIMARY WORK LOCATION:**

Office Environment	X	Vehicle	
Warehouse		Outdoors	
Shop		Other	
Recreation/Neighborhood Center			