



Title: GIS Technician I

FLSA Status: (Non-Exempt)

BRIEF DESCRIPTION:

The purpose of this position is to provide Geographic Information System (GIS) support in the development and maintenance of existing feature layers, and the creation of specific mapping and tabular products. This is accomplished by utilizing existing GIS, Global Positioning Systems (GPS), and Computer Aiding Drafting (CAD) tools/applications to build useful and meaningful geographic data, maps, and tabular reports. 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	S	Defines GIS product needs per request, works with supervisor or requestor to ensure compliance with identified need. Utilizes appropriate application to develop and prepare the GIS product using IT GIS Cartographic Standards for mapping projects, and department standards for tabular products. Plots or exports product to digital files as appropriate; documents and archives projects.
2	S	Integrates new spatial data to the enterprise GIS; inputs new data using approved methods/tools using existing data layers to assist in aligning and defining extent of new information.
3	S	Maintains enterprise GIS data management in department using existing tools; ensures integrity of feature class/layer; documents the process and informs staff when complete.



JOB REQUIREMENTS:

-Description of Minimum Job Requirements	
Experience	9-12 months experience. Moderate previous experience required in the same or similar previous positions. The job requires a working understanding of common techniques, methods, practices, procedures, use of forms, routines, etc., of an intermediate nature.
Education	High school plus additional course work (equivalent to up to 1 year at a Community College or equivalent resulting in accumulation of similar knowledge and abilities).
Technical Skill	Advanced technical skills. Work requires advanced skills, specialized knowledge, and extensive expertise in approaches and systems.
Physical Demands	Work requires light or low amount of physical exertion. The job requirements for manual dexterity or physical manipulation are limited. The need for physical stamina and endurance is of minimal or low significance. The degree of physical strain produced on the job is somewhat taxing, but does not usually produce fatigue and require periods of rest. Freedom of movement exists, and the job does not confine the employee to a prescribed body posture. Body movement usually involves sitting and intermittent walking.
Contacts	Contacts are necessary to perform the job as work involves internal and external contacts for the purpose of explaining routine and non-routine business matters including how information was collected or processed or to correct a breakdown in the flow of information. Contacts are frequently with other departments. Work involves infrequent contact with people who are upset, uncooperative or have difficulty communicating their requirements and/or an infrequent requirement to communicate information that people do not want to hear or may find upsetting.
Responsibility	Work is performed in a dependent manner providing little freedom to exercise independent judgment or acting in a lead role.
Accountability	Decision/action situations have a moderate impact on the organization. Errors are usually detected after the fact and may result in significant interruption and delay in work output and may have a moderate impact on resources within a department. Errors may have an impact on other departments and external relationships.
Environment	No adverse environmental conditions, pleasant surroundings.
Safety	Work involves few, if any, duties that if incorrectly performed could present a safety risk to others.
Reading	Intermediate - Ability to read papers, periodicals, journals, manuals, dictionaries, thesauruses, and encyclopedias. Ordinarily, such education is obtained in high school up to college. 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.
Certifications & Other Requirements	Valid Arizona Class "D" Drivers License upon hire. Limited Police Department Background Check, including polygraph.



OVERALL PHYSICAL STRENGTH DEMANDS:

-Physical strength for this position is indicated below with "S"-				
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	In field
Sitting	F	Desk work
Walking	O	Around work site
Lifting	R	Supplies
Carrying	O	Supplies
Pushing/Pulling	R	File drawers, tables and chairs
Reaching	O	For supplies, for files
Handling	O	Paperwork
Fine Dexterity	F	Computer keyboard, telephone keypad, calculator
Kneeling	N	Filing in lower drawers, retrieving items from lower shelves/ground
Crouching	R	Filing in lower drawers, retrieving items from lower shelves/ground
Crawling	R	Under equipment
Bending	R	Retrieving items from lower shelves/ground
Twisting	R	From computer to telephone
Climbing	R	Stairs
Balancing	N	On step stools
Vision	C	Reading, computer screen
Hearing	O	Communicating via telephone/radio, to co-workers/public
Talking	O	Communicating via telephone/radio, to co-workers/public
Foot Controls	R	Driving
Other (specified if applicable)		



MACHINES, TOOLS, EQUIPMENT, SOFTWARE, AND HARDWARE:

Standard office equipment, Microsoft Office, map plotter, ArcGIS (ESRI) v9.2, AutoCAD Map 3D 2008.

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	Respiratory Hazards					N
Chemical Hazards					R	Extreme Temperatures					N
Electrical Hazards					R	Noise and Vibration					N
Fire Hazards					N	Wetness/Humidity					S
Explosives					N	Physical Hazards					M
Communicable Diseases					N						
Physical Danger or Abuse					N						
Other											

PROTECTIVE EQUIPMENT REQUIRED:

None

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			R
Emergency Situation			R
Frequent Change of Tasks			O
Irregular Work Schedule/Overtime			N
Performing Multiple Tasks Simultaneously			R
Working Closely with Others as Part of a Team			R
Tedious or Exacting Work			F
Noisy/Distracting Environment			N
Other			

PRIMARY WORK LOCATION:

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