



Title: IT GIS Analyst

FLSA Status: Exempt

BRIEF DESCRIPTION:

The purpose of this position is to design, develop, program, test and install, implement, and maintain GIS applications for the city through a centralized IT Department. This is accomplished by acting as a primary resource for various GIS related tools and services as part of application development, enhancement and implementation teams; gathering user requirements, implementing and developing applications, testing and debugging, creating training documentation for users, deploying applications, maintaining data, interacting with users, and providing processes and applications to users. Other duties include participating in seminars, training sessions and committees and representing the department to technical communities.

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	Develops and manages client/server based GIS applications through the use of appropriate platforms and languages; evaluates, manages and enhances existing applications by evaluating and implementing appropriate user suggestions. Implements security processes to ensure appropriate levels of access to data and applications.
2	S	Develops and manages GIS desktop applications by gathering user requirements, planning, and designing conceptual user interfaces and application flow. Develops, tests and debugs applications, creates documentation for end user, provides user training, and implements user suggestions.
3	S	Develops processes and procedures to integrate existing citywide systems with GIS database and maintain spatial and tabular data. Implements and executes processes and procedures to integrate systems and maintain databases.
4	S	Provides IT Level-3 support for GIS developed application and tools. Provides appropriate documentation for IT and user purposes for any developed applications and tools, including requirements for disaster recovery procedures. Provides end user training and "Train the Trainer" training to appropriate GIS staff to allow expanded support opportunities.



JOB REQUIREMENTS:

-Description of Minimum Job Requirements-	
Formal Education	Work requires knowledge of a specific vocational, administrative, or technical nature which may be obtained with a two year associate's degree, diploma or equivalent from a college, technical, business, vocational, or correspondence school. Appropriate certification may be awarded upon satisfactory completion of advanced study or training.
Experience	Over three years up to and including five years experience.
Supervision	Job has no responsibility for the direction or supervision of others.
Human Collaboration Skills	Work may require providing advice to others outside direct reporting relationships on specific problems or general policies. Contacts may require the consideration of different points of view to reach agreement. Elements of persuasion may be necessary to gain cooperation and acceptance of ideas.
Freedom to Act	The employee normally performs the job by following established standard operating procedures and/or policies. There is a choice of the appropriate procedure or policy to apply to duties. Performance reviewed periodically.
Technical Skills	Advanced: Work requires advanced skills and knowledge in approaches and systems, which affect the design and implementation of major programs and/or processes organization-wide. Independent judgment and decision making abilities are necessary to apply technical skills effectively.
Budget Responsibility	Position has no fiscal responsibility.
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	Advanced - Ability to apply fundamental concepts of theories, work with advanced mathematical operations methods, and functions of real and complex variables. Ordinarily, such education is obtained in at the college level or above. 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 schools up to college. However, it may be obtained from experience and self-study.
Certification & Other Requirements	None. Limited Police Department Background Check, including Polygraph.



OVERALL PHYSICAL STRENGTH DEMANDS:

-Physical strength for this position is indicated below with "X"-					
Sedentary	X	Light	Medium	Heavy	Very Heavy
Exerting up to 10 lbs. occasionally or negligible weights frequently; sitting most of the time.	X	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 <small>2/3 or more of the time.</small>	F Frequently <small>From 1/3 to 2/3 of the time.</small>	O Occasionally <small>Up to 1/3 of the time.</small>	R Rarely <small>Less than 1 hour per week.</small>	N Never <small>Never occurs.</small>
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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	R	Making presentations, communicating with co-workers
Sitting	C	Desk work, meetings
Walking	R	To other departments/offices, around work site
Lifting	R	Supplies, equipment
Carrying	R	Supplies, equipment
Pushing/Pulling	R	File drawers, tables and chairs
Reaching	R	For supplies, for files
Handling	F	Paperwork
Fine Dexterity	C	Computer keyboard, telephone keypad
Kneeling	R	Retrieving items from lower shelves/ground
Crouching	R	Retrieving items from lower shelves/ground
Crawling	N	
Bending	R	Retrieving items from lower shelves/ground
Twisting	F	From computer to telephone
Climbing	N	
Balancing	N	
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	N	
Other (specified if applicable)		



MACHINES, TOOLS, EQUIPMENT, SOFTWARE, AND HARDWARE:

Computers, printers and related software.

ENVIRONMENTAL FACTORS:

C Continuously	F Frequently	O Occasionally	R Rarely	N Never
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D Daily	W Several Times Per Week	M Several Times Per Month	S Seasonally	N Never
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-Health and Safety Factors-	
Mechanical Hazards	N
Chemical Hazards	N
Electrical Hazards	N
Fire Hazards	N
Explosives	N
Communicable Diseases	N
Physical Danger or Abuse	N
Other (see 1 below)	N

-Environmental Factors-	
Respiratory Hazards	N
Extreme Temperatures	N
Noise and Vibration	N
Wetness/Humidity	N
Physical Hazards	N

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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
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-Description of Non-Physical Demands-	-Frequency-
Time Pressure	O
Emergency Situation	R
Frequent Change of Tasks	F
Irregular Work Schedule/Overtime	R
Performing Multiple Tasks Simultaneously	F
Working Closely with Others as Part of a Team	F
Tedious or Exacting Work	R
Noisy/Distracting Environment	R
Other (see 2 below)	N

PRIMARY WORK LOCATION:

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

(3)N/A

