



VILLAGE OF HOFFMAN ESTATES

JOB DESCRIPTION

GIS SPECIALIST

EFFECTIVE DATE: _____

DEPARTMENT: Information Systems	WORK LOCATION: Village Hall	FLSA STATUS: Exempt
CLASS CODE: 7515	RANGE: 19	PENSION: IMRF
		UNION: N/A
REPORTS TO: Director of Information Systems	LEVEL OF SUPERVISION RECEIVED: General direction	LICENSE/CERTIFICATES: Class D Illinois Drivers License

SUMMARY:

Responsible for performing analytical, technical and administrative work in planning, design, and maintenance of the Village's Geographical Information System (GIS). Interacts with end users to determine GIS related needs and requirements. Recommends software and hardware to meet end-user needs or develops programs and report procedures to accomplish result. Installs and maintains new and/or existing hardware/software for the GIS, while insuring compliance with the established Village hardware and software standards and compliance with licensing contracts.

JOB NO.	ESSENTIAL JOB FUNCTIONS AND RESPONSIBILITIES	FREQUENCY
1.	Gathers records, inputs data, and manipulates information to create maps, and to provide spatial information and/or reports as requested by operating departments.	Daily 50%
2.	Maintains and creates GIS layers by updating both the geographic features and associated databases using installed ESRI software products, as well as AutoCad software and data. Insures compliance with the established Village and industry standards and software copyright laws.	Daily 90%

3.	Performs maintenance of GIS hardware and software products. Installs updates to GIS software. Maintains a record of work progress and regularly reports status of all projects assigned.	Daily 10%
4.	Reviews information from professional publications and publications learned at seminars concerning changes in user and system software, hardware requirements and trends in computer industry. Recommends improvements in GIS software, systems and/or procedures.	Monthly 5%
5.	Conducts formal GIS training sessions for Village employees.	Monthly 5%
6.	Operates and properly maintains all tools and equipment needed to perform the essential job functions and responsibilities listed above while adhering to all safety rules and practices.	Daily

JOB NO.	OTHER RELATED DUTIES
1.	Attends division, departmental, and Village meetings and serves as a member of various employee committees and task forces when required or assigned.
2.	Technical liaison to other departments as needed.
SUPERVISORY RESPONSIBILITIES: (Select one – required) <input checked="" type="checkbox"/> None required <input type="checkbox"/> Supervisory responsibilities are required to be carried out in accordance with the organization's policies and applicable laws. (List specific responsibilities below)	

EDUCATION, EXPERIENCE AND COMPUTER SKILLS:

The designated education and experience levels best describe the minimum requirement needed to fulfill the essential job functions. However, any combination of equivalent education or experience may be considered.

Education Level (Select one - required)

- High school education with vocational training
- High school diploma or general education degree (GED)
- Two or more years of college coursework in related field
- Associate's degree (A.A.) from two-year college or technical school
- Bachelor's degree (B.A.) from four-year college or university
- Master's degree (M.A.)
- Doctoral degree (Ph.D)

Degree or coursework should be in...

Geography, Computer Science or Related Field

Experience Level (Select one - required)

- No prior experience or training required
- Six months to one year related experience
- One to two years related experience
- Two to four years related experience
- Four to ten years related experience

Additional Experience (Select as appropriate)

- Experience in supervisory capacity...
- Experience in management capacity...
- Must meet the requirements as set by the Fire & Police Commission

Enter number of years required here

Enter number of years required here

Computer Skills (Select as appropriate)

- Entry and processing of data
- Word Processing data
- Spreadsheet software
- Database software

- Specialized applications:

Proficient use in ArcGIS ArcInfo level GIS software package. HTML and XML Programming

COMMUNICATION SKILLS:

English Language/Communication Skills (Select one)

- Basic skills Ability to read, comprehend, listen to and follow basic verbal or written instructions and provide appropriate feedback. Ability to read, comprehend and/or create routine correspondence and memos using proper spelling, grammar, punctuation and sentence structure. Ability to effectively convey information one-on-one or to small groups of employees or customers.
- Intermediate skills Ability to read, comprehend, listen to and follow complex verbal or written instructions from multiple sources. Ability to provide appropriate feedback by asking probing questions and/or suggesting alternative approaches. Ability to read, comprehend, create and explain to others complex correspondence, reports and/or manuals. Ability to convey procedures and policies one-on-one or in groups to employees or customers.
- Advanced skills Ability to read or interpret all types of documents including safety rules and regulations, and procedure manuals. Ability to create and edit reports and correspondence from varied source material using appropriate style and format. Clearly convey instructions to employees or team. Ability to speak clearly and effectively before groups of customers answering questions appropriately.
- Business skills Ability to read, research, and analyze general business periodicals, professional journals, technical reports, finance documents or government laws and regulations. Ability to write reports, business correspondence, manuals and draft policies and procedures. Ability to effectively make presentations and respond to questions from groups of managers, customers, citizens, or other agencies.
- Specialized skills Ability to read, analyze and interpret professional, scientific, or technical manuals, procedures, plans, schematics, maps, blueprints, licenses, and/or legal documents. Ability to respond to inquiries from managers, customers, business community or regulatory agencies. Ability to draft responses to complex or technical issues and/or effectively present technical concepts or information to managers, customers, or other agencies in concise understandable terms.

Foreign Language Skills (Complete if applicable)

Foreign language skills Ability to speak and/or read, write and comprehend...

REQUIRED COMPETENCIES:

To perform this job successfully, an individual must be able to perform each essential job function satisfactorily. The required competencies listed below are representative of the knowledge, skills, and/or abilities required for successful job performance.

Proficient use in ArcGIS ArcInfo level GIS software package.

PHYSICAL DEMANDS:

The physical demands described here are representative of those that must be met by an employee to successfully perform the essential functions of this job with or without reasonable accommodations.

(mark all 17 activities)

----- Amount of Time -----

<u>Physical Activity</u>	None	Less than 1/3	1/3 to 2/3	More than 2/3
Stands	_____	_____	<u>X</u>	_____
Walks	_____	_____	<u>X</u>	_____
Sits	_____	_____	<u>X</u>	_____
Uses fingers in a repetitive motion	_____	_____	<u>X</u>	_____
Uses hands to grasp, finger, handle, or feel	_____	<u>X</u>	_____	_____
Reaches with hands and arms above shoulder	_____	<u>X</u>	_____	_____
Climbs or balances	_____	<u>X</u>	_____	_____
Twists or turns	_____	<u>X</u>	_____	_____
Stoops, kneels, crouches, bends, or crawls	_____	<u>X</u>	_____	_____
Pulls, pushes, or carries	_____	<u>X</u>	_____	_____
Talks or hears	_____	_____	<u>X</u>	_____
Tastes or smells	<u>X</u>	_____	_____	_____
Operates a motor vehicle or heavy equipment	_____	<u>X</u>	_____	_____
Lifts or move 0 to 10 pounds (sedentary)	_____	<u>X</u>	_____	_____
Lifts or move 10 to 20 pounds (light)	_____	<u>X</u>	_____	_____
Lifts or move 20 to 50 pounds (moderate)	_____	<u>X</u>	_____	_____
Lifts or move 50 to 100 pounds (heavy)	<u>X</u>	_____	_____	_____

VISION DEMANDS:

The vision demands described here including the ability to adjust focus, close vision, sharpness of vision, depth perception, peripheral vision, distance vision, hand-eye coordination or as otherwise specified by the Board of Fire and Police Commissioners, are representative of those that must be met by an employee to successfully operate the tools and equipment needed to perform the essential functions of this job.

Other Vision Demands (select if applicable)

_____ Absence of color blindness

_____ Corrected vision of...

_____ Uncorrected vision of...

Enter specific vision requirement here
Enter specific vision requirement here

WORK ENVIRONMENT:

The work environment characteristics described here are representative of those an employee encounters while performing the essential functions of this job with or without reasonable accommodations.

(mark all 15 conditions)

----- Amount of Time -----

Environmental Conditions

None Less than 1/3 1/3 to 2/3 More than 2/3

Customary indoor conditions	_____	_____	_____	<u>X</u>
Customary outdoor weather conditions including extreme cold, extreme heat, and wet or humid conditions	_____	<u>X</u>	_____	_____
Non-weather conditions: extreme cold, extreme heat, and wet or humid conditions	<u>X</u>	_____	_____	_____
Works near moving mechanical parts	<u>X</u>	_____	_____	_____
Works in high precarious places, underground, or confined spaces	<u>X</u>	_____	_____	_____
Flying debris or airborne particles	_____	<u>X</u>	_____	_____
Fire, smoke, fumes, gases, or noxious odors	<u>X</u>	_____	_____	_____
Toxic or caustic chemicals, aerosols, liquids, solvents or oils	<u>X</u>	_____	_____	_____
Risk of electrical shock	_____	<u>X</u>	_____	_____
Works with explosives or risk of radiation	<u>X</u>	_____	_____	_____
Vibration	<u>X</u>	_____	_____	_____
Extreme illumination	<u>X</u>	_____	_____	_____
Low noise level (Normal voice tones)	_____	_____	_____	<u>X</u>
Moderate noise level (Raised voice levels)	_____	<u>X</u>	_____	_____
High noise level (Shouting/ear protection may be needed)	<u>X</u>	_____	_____	_____

The information listed above reflects minimum standards and illustrations of the various types of work that may be performed. The omission of specific job functions, requirements or tasks does not exclude them from the job if the work is similar, related or a logical extension of the work assigned.

This job description does not constitute an employment agreement between the employer and employee.

Recommended Approval:

 Department Director

Reviewed Approval:

 Human Resources Management Director

Approved:

 Village Manager

Effective Date: _____

Revision Date: _____