



JOB DESCRIPTION

Title: **GIS MANAGER**
Department: Information Technology
Class Code: 1825
FLSA Status: Exempt
Effective Date: July 1, 1995 (Rev. 07/2017)

GENERAL PURPOSE

Under the direction of the Information Technology Director, designs, operates, oversees and maintains the Murray City Geographic Information System (GIS). Coordinates GIS activities among all City departments, and between the City and other organizations. Coordinates, manages, and directs GIS database/applications development, definitions, maintenance, supervision of personnel, and implementation. Manages and prepares general planning for the GIS system. Provides assistance and coordination of drafting, mapping, graphic illustrations, and related report preparation for the City. Provides training for GIS operators.

ESSENTIAL DUTIES

- Administers, coordinates and manages GIS activities among all City departments.
- Provides GIS technical assistance to all departments.
- Establishes and manages GIS database structure, tables, forms, and reports for GIS data for all departments.
- Administers, coordinates, directs and manages GIS database development, definitions, maintenance, and implementation including Cityworks AMS database.
- Directs integration of GIS databases, tables, maps, overlays.
- Designs, directs and manages City departmental GIS training procedures.
- Works with City Departments to develop standards, protocols, and conventions; reviews completed work to ensure compliance.
- Coordinates and prepares general plans for the GIS System.
- Manages day to day operations including supervision and training of GIS staff. Assists in preparing and managing annual budget and monitoring of expenditures. Provides leadership and direction within the division organization.
- Supervises, hires, trains and evaluates GIS staff.
- Provides technical assistance in database planning, and in creating and improving digital GIS data, drawings, and graphic illustrations.
- Understands and is proficient in the use of ArcGIS, ArcSDE, ArcGIS Server, Cityworks AMS, Tyler Munis and SQL Server.

- System administrator for Murray City GIS Servers including Cityworks Server, Web servers, and departmental GIS systems.
- Installs and maintains GIS related software, to include ArcGIS Desktop and ArcGIS Pro, ArcSDE, ArcGIS Server, Cityworks AMS.
- Assists in network planning activities for connecting GIS users and AS/400 systems. Develops underlying database schema for support of Tyler Munis Land Module.
- Provide training for GIS operators.
- Works with object-oriented programming languages, overseeing development of applications for GIS desktop, Cityworks AMS, and internet.
- Coordinates maintenance of GIS hardware with IS hardware support.
- Keeps records of and writes reports on GIS status and progress.
- Performs related duties as required.

MINIMUM QUALIFICATIONS

Education and Experience

- Bachelor's degree in urban planning, civil engineering, cartography, geography with emphasis in GIS, plus four (4) years progressively responsible GIS systems experience with a computerized GIS system (preferably with ArcGIS). Experience desirable in basic GIS and Windows operations, internet mapping technology, and implementing an enterprise GIS. May substitute any equivalent combination of education and experience.

Special Requirements

- Travel between offices required; must work occasional shift work.

Necessary Knowledge, Skills and Abilities

- Must be proficient in GIS database planning, design, and implementation.
- Must be proficient in ArcGIS, ArcSDE, AutoCad, object-oriented programming, and SQL Server.
- Must be proficient in administering and using the Windows operating system(s).
- Must be able to read and interpret graphs, charts, diagrams, air photos and maps. Must be familiar with conventional surveying system and conventions.
- Must be proficient in digitizing, plotting and drafting techniques and procedures, as well as data collection using GPS equipment.
- Ensures that the GIS system is efficient and up to date; evaluates and incorporates advances in technology and software to achieve this goal.
- Requires regular use of telephone, PC computer and Windows workstation/server; frequent use of GIS equipment such as printers, GPS systems and plotters; and frequent use of GIS and CAD software, including object-oriented programming and SQL.
- Ability to establish effective working relationships with others.
- Ability to read and understand technical documents and manuals, as well as ability to write such documents for use by others.
- Must be familiar with networking concepts and implementations.

TOOLS & EQUIPMENT USED

- Personal computer, including word processing, spreadsheet and design software; ArcGIS, Cityworks AMS and Tyler Munis software; phone; fax and copy machine; GPS equipment; printers and plotters, and mobile devices such as iPad.

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. Reasonable accommodations may be made to enable individuals with disabilities to perform the essential functions.

- While performing the duties of this job, the employee is frequently required to sit; talk or hear; use hands to finger, handle, feel objects, tools, or controls; and reach with hands and arms. The employee is regularly required to walk.
- The employee must occasionally lift and/or move up to 10 pounds. Specific vision abilities required by this job include close vision and the ability to adjust focus.

WORK ENVIRONMENT

The work environment characteristics described here are representative of those an employee encounters while performing the essential functions of this job. Reasonable accommodations may be made to enable individuals with disabilities to perform the essential functions.

- Work is performed primarily in an office setting. The noise level in the work environment is usually quiet.

DEPT/DIVISION APPROVED BY: _____ DATE: _____

EMPLOYEE'S SIGNATURE: _____ DATE: _____

H. R. DEPT. APPROVED BY: _____ DATE: _____