CLASS TITLE: SENIOR GIS ANALYST

PURPOSE OF THE CLASSIFICATION: Under general supervision, performs skilled technical and professional work in the design, development, and maintenance of Geographic Information System (GIS), coordinates GIS projects and provides training and support for GIS users and performs other related assigned duties.

ESSENTIAL TASKS:
- Develops adhoc and production maps considered to be advanced in nature utilizing high level programming language
- Monitors GIS functions and system efficiency and implements system changes to resolve problems and increase efficiency
- Designs, analyzes and maintains the reliability of the enterprise-wide GIS applications and databases, providing quality assurance for all geospatial data
- Executes complex spatial analysis and database queries
- Assists in coordinating GIS related projects and provides training and support for City users
- Performs testing, debugging, related implementation tasks and conducts performance tuning of systems and applications
- Assists in preparing technical reports and forms, interacting with representatives of other City departments to coordinate and implement common GIS interests
- Organizes and performs research of City, county and sources of records for information to revise and update GIS databases
- Assists in coordinating all phases of system design and implementation, including installation of new software and reconfiguration of existing hardware
- Updates GIS and other operating systems software and performs file maintenance on GIS databases
- Assists with defining and implementing GIS feasibility studies, predicting impact on user's needs and data processes
- Acts as lead over GIS Analyst and Technicians
- Must report to work on a regular and timely basis

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

QUALIFICATIONS:
Training and Experience: Graduation from an accredited college or university with a bachelor's degree in computer science, GIS, geography, geology or other related fields and four (4) years of experience in the operation and maintenance of GIS systems; or an equivalent combination of training and experience per Personnel Policies and Procedures, Section 128.

Knowledge, Abilities and Skills: Comprehensive knowledge of enterprise GIS architecture, design, implementation and project management; considerable understanding and knowledge of methods and techniques used in systems analysis and design; considerable knowledge of GIS software and analytical solutions, processes and enterprise geo-database creation/editing/maintenance; basic knowledge of implementing and integrating GIS servers, including developing mapping services; and good knowledge of spatial programming languages. Ability to work independently and to recognize, analyze and solve complex spatial problems; ability to analyze issues and to formulate sound concepts; ability to train others in intermediate GIS work or other related activities; ability to effectively communicate both verbally and in writing; ability to coordinate, evaluate and coordinate the work of others.

Physical Requirements: Physical requirements include arm and hand steadiness and finger dexterity enough to use a keyboard and telephone;   occasional lifting up to 50 pounds; occasional carrying up to 20 pounds; may be subject to walking or sitting for extended periods of time, standing, reaching, handling, twisting and climbing; and vision, speech and hearing sufficient to perform the essential tasks.

Licenses and Certificates: Some positions may require possession of a valid Oklahoma Class "D" Operators License.

WORKING ENVIRONMENT: Working conditions are primarily indoors in an office environment and may require some travel to local and regional locations to provide computer-related assistance and provide on-call after hours support for production systems.

Class Code: 2072
EEO Code: N-03
Pay Code: IS-40

Group: Clerical and Administrative
Series: Data Processing and Information Services

Effective date: December 28, 2016