GIS Developer/Officer – BEDFORD COUNTY 911

Responsibilities:
Maintain all functions of GIS and Mapping for 911 Emergency Communications use. Individuals who demonstrate advanced skills in terms of work experience, education and certifications may be awarded higher consideration.

Job Summary:
The purpose of this position is identifying, designing, and resolving complex problems that can utilize GIS information technology resources to produce outcomes that provide visual solutions that quantify, explain, extrapolate, or exemplify answers not easily found otherwise. This position possesses technical knowledge of all phases of complex GIS and Mapping application systems that enable achievement of government and public safety objectives. This position will be responsible for support of GIS solutions which may from time-to-time require evening, late night and weekend duties. This position solely supports the Bedford County Emergency Communications District.

Functional Expertise:
- Identifies resolution for complex application problems that realize customer service level objectives; engages appropriate resources to achieve timely resolution.
- Demonstrates knowledge of GIS applications, software tools, programming languages, tools, and scripts that effectively support all areas in Public Safety.
- Maintains and improves existing geospatial data and base-map layers used in public safety communications, addressing and infrastructure development, including Computer Aided Dispatch (CAD)
- Collaborative skills with business and technical support personnel within GIS and Mobile Mapping applications.
- Designs and produces geospatial data maps, layers, contours, pictometry, Orthogonal, Oblique and other imagery needed to resolve questions and move projects forward.
- Provides, improves and maintains County address geocoding and new addressing.
- Develops program logic for new applications or analyzes and modifies logic in existing applications.
- Codes, tests, debugs, documents, implements and maintains software applications.
- Advises and provides initial project estimates (cost / effort) for inclusion in annual fiscal budget.
- Provides revised cost / effort estimates for projects as they are initiated.
- Collects and integrates new and revised information and data from all necessary Municipal and County offices.
- Creates various plots and data sets for users and provides spatial analysis of data sets.
- Maintains knowledge of E911 District Policies and Procedures, principles and operating practices utilized in emergency response dispatching, and District rules, regulations, codes and standards

**Business Acumen:**
- Serves as technical consultant for GIS governmental applications by managing workload, incident situations, and establishing priorities.
- Participates on IT projects.
- Works with other Departmental users to define data needs.
- Identifies inadequate or inefficient systems: recommends alternatives that reduce cost or increase operational efficiencies.
- Anticipates and identifies obstacles / issues that put project timelines at risk: develops tools and implements solutions to mitigate project risk which may be applied on an enterprise basis.
- Develops work plans with milestones identified to track and report progress.
- Evaluates and influences the selection of new tools and technology by staying current on government/business/application trends and emerging technologies, in order to provide recommendations and direction on systems for the enterprise.
- Self-motivated, responsible individual with the ability to work independently.
- Ability to deliver results in cross-functional multiple location team environment.
- Understanding of application architecture and application development methodologies.
- Demonstrate ability to influence and foster collaborative relationships. Demonstrate ability to manage multiple concurrent work assignments.

**Engagement:**
Ensures their tasks and deliverables are complete on time as to not impact other team members. Collaborates with other team members (I.T., E911, Fire, Sheriff, EMA, EMS, Planning, Zoning, Building, Finance, Mayor, Chamber, Utilities, Analysts, Architects, Etc.) or subordinates to resolve complex problems. Provides application software development services or technical support. Develops and maintain internal Department and Vendor relationships. Possesses a sense of urgency and can work under tight time-frames. Must be willing to work evening, late night and weekend as necessary.

**Driving Results:**
Willingness and ability to deal with changing expectations, shifting priorities, and matrix management/reporting structures, based on the requirements of our end users. Responsible for driving results, including setting expectations, prioritizing work, evaluating results and taking corrective action as needed. Analyzes requirements, and maintains tests and integrates application components. Ensures that system improvements are successfully implemented. Ensure internal controls are achieved in compliance with policies and standards. Understand, execute and improve upon all components of the methodologies utilized. Monitor the construction of IT project deliverables as technical SME (Subject Matter Expert) for projects or other assignments.

Qualifications:
BA/BS in GIS Development\Programming – Computer science or similar degree or demonstrate adequate or equivalent in experience. Must successfully complete a drug screening and background check. A valid driver's license is required.

Required:
Development and implementation of geographic information system (GIS) solutions and standards.

Salary:
The position’s starting salary will be commensurate to experience/knowledge plus insurance and retirement (TCRS) benefits.

Software:
- ESRI ArcGIS products and related development environments.
- Experience understanding of one or more of the following ESRI products: ArcGIS for Desktop, ArcGIS for Server, ArcGIS Engine.
- Familiarity with programming languages such as .NET or Java is a plus.
- Knowledge and experience with REST Web Services, Silverlight, C++, Python, ArcGIS Server is a plus

Physical Requirements:
Work requires concentration on detail and working with computers and/or gps equipment for extended periods of time. Limited physical effort, with occasional or regular lifting and carrying of up to twenty (20) pounds. Fieldwork is required for updating records.

GIS Disclaimer:
This information describes the general nature and level of work performed by employees in this job. The description is not designed to be a comprehensive inventory of duties, responsibilities and qualifications required of employees in the job. Reasonable accommodation may be made to qualified disabled individuals for performance of essential duties and responsibilities.

**Equal Opportunity Employer:**
All qualified applicants will receive consideration for employment and will not be discriminated against based on their race, gender, disability, veteran status, or other legally protected classification.

You can apply online at our website: www.bedfordcounty911.org and please direct all inquiries to the Bedford County 911 Center located at 843 Union Street in Shelbyville, TN 37160. Phone: 931-684-3411