



OPEN POSITION ANNOUNCEMENT

GIS TECHNICIAN I

GIS Analyst
(August 2010)

DESCRIPTION OF WORK: (This job description is not intended to be an exhaustive list of all duties, responsibilities, or qualifications associated with the job.)

- Creates, updates, and maintains spatial data for complex analysis and technical support of regional socioeconomic, transportation and land use planning activities. Performs spatial analysis in order to manipulate and prepare data for input into regional decision support and modeling systems and for analytical purposes.
- Develops DRCOG's enterprise-wide spatial data and mapping standards including published map templates, custom map symbology, customized graphics, and professional map presentations to aid DRCOG decision-makers. Prepares professional quality maps, graphs, tables and charts for professional level publications and presentations in support of DRCOG programs base on spatial analysis functions.
- Assists with the design of the DRCOG enterprise-wide geo database by developing data standards and best practices in order to streamline map production, data management, analysis and modeling. Coordinates updates and changes to the geo database applying quality control procedures on the data to ensure its accuracy.
- Meets with internal customers to gather system, software and project requirements and develop design specifications that are used to build, purchase or customize geospatial software applications.
- Provides geospatial research and development (R&D) in order to implement and expand DRCOG's web based and PC-based GIS applications using ESRI, Google maps, Microsoft, or other similar open source software.
- Represents the Geospatial Team as a Web Content manager for the Customer Resource and Support Division website.

QUALIFICATIONS FOR APPOINTMENT

Knowledge, Skills and Abilities:

- Knowledge and demonstrated experience in ESRI's ArcGIS software and Microsoft Office, and Data Management software. Familiarity with Microsoft Access, SQL Server, PostgreSQL or other relational database software is desirable.
- Ability to prepare and load vector data into geospatial enterprise database, and compile and organize data from multiple formats for technical support of regional socioeconomic, transportation and land use planning activities.
- Ability to understand and perform GIS data conversioning, editing, spatial analysis, and geo processing functions.
- Knowledge of advanced cartography and map design in a GIS environment
- Knowledge of advanced annotation and labeling techniques within ArcGIS
- Familiarity with HTML, CSS and Java Script development.
- Familiarity with Adobe Illustrator, CorelDraw, or other graphic design software is desirable.
- Familiarity with OGC KML, WMS, WCS and other open data standards used within the Google Maps API, Microsoft Virtual Earth, ArcGIS Explorer, UMN Map Server or other open source GIS software is desirable.
- Provide technical and customer support to DRCOG staff, members and the public.
- Possess strong written and verbal communications skills.

Education and Experience:

- Three years of college, preferably in applied social sciences (such as geography or urban planning), engineering, GIS, Natural Resources or related field.
- Equivalent combination of applicable education and experience.

STATUS: Full-time, Nonexempt

SALARY: Grade 5, Hiring range: \$3,425- \$4,112/month depending on qualifications.

APPLICATION DEADLINE: September 13, 2010

EQUAL EMPLOYMENT OPPORTUNITY EMPLOYER: M/F/D/V

View the DRCOG Benefits Package at the link below:

<http://www.drcog.org/index.cfm?page=Benefits>