CITY OF REDDING
invites applications for the position of:

Geographic Information Systems (GIS)
Analyst I/II

SALOY:
See Position Description

OPENING DATE: 03/16/16

CLOSING DATE: 03/31/16 11:59 PM

DESCRIPTION:

GIS Analyst I $21.66 - $27.64 per hour
GIS Analyst II $24.41 - $31.15 per hour

The City of Redding is establishing an eligibility list for GIS Analyst I/II. The list established as a result of this recruitment will be used to fill a full-time vacancy in the Electric Department, as well as subsequent vacancies that occur during the life of the list in both the Information Technology and Electric Departments. Under direction, incumbents are expected to: operate Geographic Information System (GIS) workstations and software; perform spatial and attribute data creation and maintenance; and difficult analytical work related to GIS. GIS Analyst II is distinguished from GIS Analyst I by journey-level work, typically of greater complexity, and the expectation of working with greater independence on a broader range of GIS-related tasks.

EXAMPLES OF DUTIES:

Depending on job classification, incumbent may or may not perform the listed duties:

Utilize in-house GIS data in ESRI ArcGIS and/or Autodesk Map format to create routine map exhibits; utilize GIS data from in-house and outside sources to process special mapping requests for small and large format presentations; research, verify, create, edit and maintain spatial and attribute databases; perform complex queries using database field calculations, derived values and/or summary data for the purpose of creating subsets and/or select sets of spatial and attribute data; create, modify, import, and/or utilize existing cell or grid based GIS datasets to perform complex spatial analysis using ArcGIS, Spatial Analyst, or 3D Analyst software; perform complex point, polygon and address geocoding and/or linking of external data files to existing georeferenced datasets; perform complex database manipulations in SQL Server, Access, Dbase-files, and/or text files; develop map and attribute data for online publishing and mapping applications; and perform other related duties as assigned.

TYPICAL QUALIFICATIONS:

Knowledge of: Principles, techniques, methods, and nomenclature of: geography, cartography, mapping, map projections and coordinate systems, and operation of GIS workstations and software.

Ability to: Operate GIS workstations and software; operate peripheral equipment such as printers and plotters; troubleshoot and perform routine maintenance on GIS workstations and peripheral equipment; design, develop, and maintain departmental and city-wide spatial and attribute data; import, export, convert, and transfer mapping and attribute data using the network and the Internet; and communicate clearly and concisely orally and in writing.

Education & Experience: Any combination of training and experience that provides the required knowledge, skills, and abilities is qualifying: Typical education would include a Bachelor's Degree or equivalent in GIS, Geography, Cartography and/or Computer Science. An Associate of Arts Degree from an accredited college in related courses and two to three years experience may substitute for Bachelor's Degree; typical experience would include at least one year of experience in operating, maintaining, and
implementing automated mapping or geographic information systems.

Special Requirements: Possession of the appropriate valid California driver's license, or ability to acquire one within ten days of appointment; Autocad Map, ArcGIS, Autodesk Mapguide, Microsoft Access, and SQL Server experience is desirable.

APPLICATION AND EXAMINATION PROCESS:

Application Process: Interested individuals must submit a City of Redding online employment application by the closing date in order to be considered.

Incomplete applications may not be processed. Meeting the announced requirements does not guarantee selection into the examination process. Applications will be reviewed to determine those best qualified to be tested.

Veterans Credit: Veterans who have received an honorable discharge from the military service and receive a passing score on the examination will have 2 points added to their final examination score. To obtain this credit, veterans MUST provide a copy of the DD214, indicating honorable discharge, WITH EACH EMPLOYMENT APPLICATION BY THE CLOSING DATE.

Examination Process: An oral board interview, written examination, practical exercise, or any combination thereof, will be administered.

AN EQUAL OPPORTUNITY/FEDERAL AFFIRMATIVE ACTION EMPLOYER

APPLICATIONS MAY BE FILED ONLINE AT:
http://www.cityofredding.org

777 Cypress Avenue
Redding, CA 96001
(530) 225-4065
personnel@cityofredding.org

Geographic Information Systems (GIS) Analyst I/II Supplemental Questionnaire

* 1. ArcGIS - Please describe your ArcGIS experience including: the number of years that you have used ArcView or ArcGIS; the most recent version of ArcGIS used; your frequency using ArcGIS (hours per week or month); what types of projects you use ArcGIS for (e.g., simple mapping or thematic, data creation and maintenance, overlay analysis, raster, geocoding, mobile data, etc.); and what advanced versions, extensions and/or third party ArcGIS tools (e.g., ArcEditor, ArcInfo, Spatial Analyst, 3D Analyst) you have used and to what extent or regularity. If none, please type N/A.

* 2. Rating - Please rate your ArcGIS skills on a scale from 0 to 10, with: 0 being "I've never used ArcView or ArcGIS"; with 5 being "I am fairly proficient with ArcGIS 8.x or higher, including performing routine spatial and attribute data creation and editing, thematic and presentation mapping, analysis and calculations, and importing/exporting CAD and other data formats"; and 10 being "I am an advanced ArcGIS user capable of performing the most complex spatial and database analysis, using ArcGIS extensions (e.g., Spatial Analyst, 3D Analyst), creating and implementing Mobile GIS applications; and solving the most difficult GIS-related problems using ArcGIS". If you have no ArcGIS experience, please type N/A.

* 3. Autodesk Map - Please describe your Autodesk Map experience including: the number of years that you have used Map; the most recent version of Map used; how frequently you use Map (hours per week or month); how you use Map (query only, create/maintain data; topology and overlay analysis, etc.); and what advanced, complimentary and/or third party Map tools (e.g., Raster Design) you have

http://agency.governmentjobs.com/reddingca/default.cfm?action=jobbulletin&JobID=1384800
used and to what extent or regularity. If none, please type N/A.

* 4. **Rating** - Please rate your Autodesk Map skills on a scale from 0 to 10, with: 0 being "I've never used Autodesk Map"; with 5 being "I am moderately proficient with Map 2004 or higher, including standard GIS drafting practices, queries from drawings, attaching data, utilizing raster imagery, and importing/exporting SHP files"; and 10 being "I am an advanced Map user, creating complex thematic maps, linking to multiple external databases, building and maintaining topologies, utilizing multiple map projections and coordinate systems, and importing/exporting a wide range of external spatial and attribute data". If no experience, please type N/A.

* 5. **Database** - Please describe your database experience, including: what database product(s) you have used; what types of database actions you have performed (e.g., queries, reports, joins, calculations, summaries, appends, updates, etc.); what spatial or geodatabase experience you have; and what GIS-related database applications you have developed or co-developed. If none, please type N/A.

* 6. **Utility Infrastructure** - Please describe your utility infrastructure experience, including: creating and maintaining utility infrastructure; what types of utility infrastructure have you worked with; what product(s) you used; and what Maintenance Management System (MMS) software(s) you have worked with in conjunction with GIS. If none, please type N/A.

* 7. **Raster GIS** - Please describe your experience using raster data in GIS, including: scanning maps with small or large-format scanners; georeferencing of digital or scanned images; raster/grid thematic mapping; and raster/grid analysis. If none, please type N/A.

* 8. **Intranet/Internet Map Publishing** - Please describe your experience with Intranet/Internet map publishing, including: creating and maintaining datasets for publishing; conversion or preparation of data for publishing; what authoring or publishing tools/product(s) you have used; and what application formats you have worked with in conjunction with published GIS data (e.g., HTML, Javascript, ASP, Silverlight). If none, please type N/A.

* 9. **Areas of Primary Responsibility** - Please describe the areas where YOU have Primary Responsibility (PR), including: what spatial data layers you have PR for editing and maintaining; what attribute databases you have PR for editing and maintaining; what programming or application scripting you have on-going PR for; or what processes (from beginning to end) you have on-going PR. If none, please type N/A.

* **Required Question**