CITY OF OVERLAND PARK - POSITION DESCRIPTION

<table>
<thead>
<tr>
<th>TITLE:</th>
<th>Engineering Technician, SR. (Flood Warning)</th>
<th>BAND/LEVEL:</th>
<th>Tech III</th>
</tr>
</thead>
<tbody>
<tr>
<td>DEPARTMENT:</td>
<td>Public Works</td>
<td>JOB NO:</td>
<td>3490</td>
</tr>
<tr>
<td>DIVISION:</td>
<td>Stormwater Engineering</td>
<td>DATE:</td>
<td>04/11/2017</td>
</tr>
<tr>
<td>REPORTS TO:</td>
<td>Supervisory Staff</td>
<td>FLSA STATUS:</td>
<td>Non Exempt</td>
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<tr>
<td>FT/PT/SEASONAL:</td>
<td>Full Time</td>
<td>COST CENTER:</td>
<td>311</td>
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<td>REPLACES:</td>
<td>Engineering Tech II</td>
<td>LAST REVISED DATE:</td>
<td>03/25/2012</td>
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JOB SUMMARY STATEMENT:
Performs installation, configuration, troubleshooting and repair of remote environmental monitoring equipment. Performs routine and emergency maintenance of remote environmental monitoring equipment. Operates flood warning software on PC hardware in Windows NT and QNX operating systems. Generates and maintains environmental databases. Collects data necessary to assure compliance with agreements between the City and other governmental agencies. Performs direct readings of stream flows and maintains direct reading equipment. Provides assistance to Civil Engineer and Supervisory Civil Engineer. Assists with emergency operations, including snow removal, as required.

DUTIES AND RESPONSIBILITIES:

1. Performs installation, configuration, troubleshooting and repair of remote environmental monitoring equipment. This equipment combines specialized computer hardware, radio telemetry, and digital and analog sensors to monitor and report in real time environmental conditions such as rainfall, stream levels, temperature, wind, humidity, barometric pressure.

2. Performs routine and emergency maintenance of remote environmental monitoring equipment. Schedules semi-annual maintenance of Flood Warning System gauges within Johnson County. Arranges resources including maintained batteries and other parts. Coordinates with schedules of other personnel to provide needed maintenance. Configures and maintains alarm systems with paging capability for notification to assigned maintenance person(s) of system failures. Responds to system or personnel requests for emergency troubleshooting and repair within the prescribed time of notification.

3. Operates flood warning software on PC hardware in Windows NT and QNX operating systems. Coordinates with IT Department on configuration, maintenance and troubleshooting of computer systems used to operate flood warning software systems. These include data acquisition, databases, hydraulic and hydrologic modeling, ftp sites, and web services software.

4. Generates and maintains Geographic Information System (GIS) databases including storm drainage systems and environmental monitoring equipment. Uses GIS database to perform analysis of data, including storm routing, radio path survey, drainage basin characteristics, environmental parameter displays and reports. Maintains flood warning system database on a Windows NT operating system using an Access 97 database, and a flood warning system database on a QNX operating system using NovaStar database structure. Maintains various databases related to maintenance operations.

5. Provides information to assure compliance with agreements between the City and other governmental agencies. Maintains and provides records of equipment performance and downtime. Provides rainfall records to Johnson County and others as requested or required by agreements. Maintains and provides inventories of spare parts and equipment.
6. Performs direct readings of stream flows and maintains direct reading equipment. Procures and maintains equipment for this task available to be used at short notice. Develops discharge measurements and maintains stage-discharge relationships for gauge sites.

7. Provides assistance to Civil Engineer (Flood Warning) and Assistant City Engineer. Performs tasks as assigned to assist in maintenance of the Stormwatch web site and other division goals.

8. Assists the public by responding to questions or requests for information either in person, by phone or by electronic mail.

9. Assists with emergency operations, including snow removal, as required.

10. The employee must work the days and hours necessary to perform all assigned responsibilities and tasks. Must be available (especially during regular business hours or shifts) to communicate with subordinates, supervisors, customers, vendors and any other persons or organization with whom interaction is required to accomplish work and employer goals.

11. The employee must be punctual and timely in meeting all requirements of performance, including, but not limited to, attendance standards and work deadlines; beginning and ending assignments on time; and scheduled work breaks, where applicable.

GENERAL QUALIFICATIONS

EDUCATION & SPECIAL LICENSE(S)/CERTIFICATIONS:
- Basic education with additional college level courses in engineering graphics, electronics, computer-aided drafting, computer programming, surveying, mathematics, and construction operations and materials or an equivalent combination of formal education and work experience.
- Valid driver’s license required.
- Must maintain an insurable driving record.
- Must have or obtain a Commercial Driver’s License (CDL) within 12 months of employment with the City.

EXPERIENCE:
- Five years of experience with computerized environmental monitoring systems, including some experience in computer programming and configuration, or an equivalent level of experience.
- Training in the use of flood warning software, with StormWatch, Contrail and NovaStar, and factory-authorized training in the installation, configuration, and maintenance of environmental monitoring hardware, with HydroLynx Systems and High Sierra equipment experience most desirable.

SKILLS:
- Basic computer operations skills
- Computer hardware and engineering skills
- Environmental software applications skills
- Electronic equipment maintenance skills
- Surveying skills
- Good oral and written communication skills
MENTAL REQUIREMENTS:
- Ability to install, maintain and troubleshoot environmental monitoring equipment.
- Ability to analyze complex problems and recommend possible solutions.
- Ability to compute mathematical calculations using in surveying, measuring and mapping.
- Ability to understand computer commands and generated reports.
- Ability to read maps.
- Ability to work under distracting and environmentally stressful conditions when maintaining environmental monitoring systems or performing survey work.
- Exhibit diplomacy and judgement when working with citizens, contractors or other public groups.

PHYSICAL REQUIREMENTS:
- Ability to lift 50 pounds and transport 50 feet.
- Ability to transverse rough terrain.
- Ability to travel to remote field locations, public buildings or other work sites.
- Hand/eye coordination to operate surveying equipment and install monitoring equipment.
- Exposure to extreme environmental conditions.
- Exposure to vehicle fumes and noise.
- Ability to visually review maps, plans and plats.

SUPERVISORY RESPONSIBILITY (Direct & Indirect):
- None

The preceding job description has been designed to indicate the general nature and level of work performed by employees within this classification. It is not designed to contain or be interpreted as a comprehensive inventory of all duties, responsibilities, and qualifications required of employees assigned to this job.