**STREET DEPARTMENT**

**STREET MAINTENANCE - ELECTRICIAN**

**PURPOSE OF JOB**

Under supervision of Street Department Manager and Lead Worker, performs services that ensure vehicle, traffic/pedestrian signal lights and streetlights are operating effectively and are well maintained. Ensures that street signs and markings within the City are placed effectively, current and in accordance with state regulations.

**EQUIPMENT/JOB LOCATION**

* The employee will work outdoors, as required, in various weather conditions such as: heat, snow, cold, sleet, rain, wind, daylight, dark, etc.
* Some work will be performed indoors in a controlled climate.
* Work will involve being in ditches, on inclines and banks.
* The employee may be exposed to such conditions as moving mechanical parts, exposed electrical, dirt, mud, oil, grease, noise, chemicals, fumes, toxic substances, temperature and weather extremes.
* The employee will operate various types of light and heavy equipment and tools including, but not limited to, a bucket truck or aerial lift.
* The employee will be required to wear appropriate uniform as provided by the department. Appropriate protective footwear is required to be worn each workday per department policy.
* Performs additional duties and emergency duties after normal work hours when requested by supervisor.

**ESSENTIAL FUNCTIONS**

**The following duties are normal for this job. These are not to be construed as exclusive or all-inclusive. Other duties may be required and assigned.**

* Operates a bucket truck or aerial lift in routine maintenance, repair and construction of traffic signal systems.
* Operates and installs computer aided traffic counters in obtaining data for traffic studies.
* Performs trouble shooting and repair of electrical equipment controlling traffic signals.
* Gathers data and prepares traffic signal timing plans and assists with programming data into signal systems.
* Performs electrical wiring of City projects including streetlights, traffic signals and buildings.
* Formats, assembles and installs a variety of street signs.
* Ensures that materials and supplies are available for construction, installation and maintenance of signs, signal lights and streetlights.
* Ensures that material and equipment are properly used and cared for and is responsible for keeping equipment clean and in proper working condition.
* Performs duties as a crew member in maintaining City streets.
* Operates equipment to load trucks with gravel, dirt, salt, etc.
* Drives heavy duty vehicles in hauling gravel, sand, dirt and in spreading salt during inclement weather.
* Cleans culverts and storm drains.
* Uses a transit to fix grade on culverts and ditch lines.
* Builds concrete forms and pours concrete.
* Patches potholes.
* Establishes work zones and the ability to perform flagging duties for traffic control during street/road work.
* Trims and cleans right of ways with chainsaws, mowers, tractors, weed trimmers, etc.
* Observes all safety rules, regulations, precautions and traffic laws.
* Attends trainings, seminars, conferences and meetings as required.

**REQUIRED KNOWLEDGE AND ABILITIES**

* Knowledge of traffic rules and regulations.
* Knowledge of operation of various light and heavy equipment, hand tools and power tools.
* Demonstrated mechanical capability.
* Knowledge of construction, installation and maintenance of traffic/pedestrian signs, signal lights and required materials.
* Ability to obtain, and maintain, appropriate licensures, certifications as required for position.
* Knowledge of computers and modern office equipment.
* Working knowledge of electrical wiring and electricity.
* Knowledge of appropriate safety precautions, practices and procedures.
* Ability to establish proper work zones.
* Ability to maintain a high level of discipline and morale.
* Ability to keep accurate records and make reports if required.
* Ability to communicate clearly and effectively orally and written.
* Ability to establish and maintain an effective working relationship with the public and other employees.

**MINIMUM TRAINING AND EXPERIENCE REQUIRED TO PERFORM ESSENTIAL JOB FUNCTIONS**

*Any combination of training and experience equivalent to the following can be approved at the discretion of the department manager, Human Resources Manager and City Manager.*

* High school diploma, or equivalent, plus minimum of 3 years directly related experience.
* Requires a Tennessee, Class B commercial driver’s license within first year of employment.
* Requires IMSA Certification within first year of employment.
* Requires L.L.E license.
* Must be examined by a City designated physician to make a determination if applicant will be able to perform all essential duties required of this position.

**MINIMUM QUALIFICATIONS OR STANDARDS REQUIRED TO PERFORM ESSENTIAL JOB FUNCTIONS**

**PHYSICAL REQUIREMENTS:** Must be physically able to operate a variety of machines, tools and equipment. Must be able to use body members to work, move or carry objects/materials. Must be able to occasionally lift heavy assemblies of various weights, possibly 100 pounds or more; however, assistance (both physical and mechanical) is provided when necessary. Work involves frequent physical exertion including: walking, climbing, sitting, standing, kneeling, lifting, stooping and crawling.

**ENVIRONMENTAL FACTORS:** Performance of essential functions may require exposure to adverse environmental conditions such as dirt, dust, oil, fuels, grease, odors, wetness, fumes, extreme temperatures, noise extremes, machinery, vibrations, electric currents, toxic agents.

**DATA CONCEPTION:** Requires the ability to compare and/or judge the readily observable functional, technical, structural, or compositional characteristics (whether similar to or divergent from obvious standards) of data, people or things.

**INTERPERSONAL COMMUNICATION:** Requires the ability of speaking and/or signaling to convey or exchange information.

**LANGUAGE ABILITY:** Requires the ability to read a variety of informational documentation, directions, instructions, and methods and procedures related to the job. Requires the ability to write reports with proper format, punctuation, spelling and grammar, using all parts of speech.

**INTELLIGENCE:** Requires the ability to learn and understand basic to complex principles and techniques; to make independent judgments in absence of supervision; to acquire knowledge of topics related to the job.

**VERBAL APTITUDE:** Requires the ability to record and deliver information to supervisors and officials; to explain procedures and policies; and to follow verbal and written instructions, guidelines and objectives.

**NUMERICAL APTITUDE:** Requires the ability to utilize mathematical formulas; add and subtract totals; multiply and divide; determine percentages; determine time, volume and weight.

**FORM/SPATIAL APTITUDE:** Requires the ability to inspect items for proper length, width, and shape, visually and with equipment.

**MOTOR COORDINATION:** Requires the ability to coordinate hands and eyes in using automated equipment.

**MANUAL DEXTERITY:** Requires the ability to handle a variety of items, equipment, control knobs, switches, etc. Must have the ability to use one hand for twisting or turning motion while coordinating other hand with different activities. Must have average levels of eye/hand/foot coordination.

**COLOR DISCRIMINATION:** Requires the ability to differentiate colors and shades of color.

**INTERPERSONAL TEMPERAMENT:** Requires the ability to deal with people (i.e. staff, general public and officials) beyond giving and receiving instructions such as in interpreting departmental policies and procedures. Must be adaptable to performing under minimal stress when confronted with an emergency related to the job.

**PHYSICAL COMMUNICATION:** Requires the ability to talk and/or hear: (talking – expressing or exchanging ideas by means of spoken words). (Hearing – perceiving nature of sounds by ear.)

Note: This job description does not constitute an employment agreement between the City of Crossville and the employee and is subject to change by the employer as the needs of the City and requirements of the job change. The City of Crossville is an EEO/Affirmative action employer and does not discriminate on the basis of race, age, sex, religion, color, disability or national origin. In compliance with the Americans with Disabilities Act, the City may provide reasonable accommodations to qualified individuals with disabilities and encourages both prospective and current employees to discuss potential accommodations with the employer.

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| I have received a complete copy of the job description and understand the requirements of the job. It is not to be construed as an exhaustive list of all responsibilities and duties required of the job.  \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  Employee Signature Date |