

## CITY OF OVERLAND PARK POSITION DESCRIPTION

<b>TITLE:</b>	Street Lighting Technician	<b>BAND/LEVEL:</b>	TEC II
<b>DEPARTMENT:</b>	Public Works	<b>JOB NO:</b>	3765
<b>DIVISION:</b>	Public Works Maintenance	<b>DATE:</b>	3/22/16
<b>REPORTS TO:</b>	Supervisor, Public Works Maintenance	<b>FLSA STATUS:</b>	NE
<b>FULL-TIME: XX</b>	<b>PART-TIME:</b>	<b>TEMPORARY:</b>	<b>COST CENTER:</b> 321

**REPLACES:** Street Lighting Technician

**DATE:** 2/24/16

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### **JOB SUMMARY STATEMENT:**

Performs field and shop maintenance on City owned street lights and related equipment. Performs maintenance activities to include; troubleshooting failures, replacing parts, repairing components and/or replacing light systems. Utilizes various specialized vehicles, equipment, and tools. Assists in the maintenance of electronic traffic signals. Participates in emergency operations, including snow removal, as required.

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### **DUTIES AND RESPONSIBILITIES:**

1. Maintains City owned street lights by performing routine maintenance and repair work. Diagnoses system failures using electrical testing equipment.
2. Performs minor maintenance and repair on signalized intersections (no-controller problems; assists with construction of new signals and modification of existing installations. Upgrades indications (LED) and control buttons (ADA) to comply with new Federal standards.
3. Reviews proposed plans for new street lighting from Public Works and Planning/Development within an assigned District. Makes suggestions on improved equipment and installation methods. Checks for omissions, improper lay out and inferior equipment.
4. Assists street lighting inspector on inspection of installation of new street lighting installations. Visually inspects installation of cable, junction boxes, pipe and connections, poles. J-boxes, control centers, and wiring connections.
5. Utilizes computer to enter and extract data from work management system.
6. Responds in support of citywide emergencies such as flood, storm, major traffic accidents, and snow removal operations. Operates a plow truck during snow operations, as assigned..
7. Coordinates pole-knock-downs and cable cuts with team members to assure safe and expedient repairs within an assigned district. Performs routine maintenance and repair of poles, arms, heads, control cabinets, and electrical leads within an assigned district. Operates 55' bucket truck to repair 40' street lights. Troubleshoots and repairs underground wiring problems. Locates suspected wiring failures using electronic scan tools, excavates and makes needed repairs.
8. 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.
9. 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

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### **EDUCATION & SPECIAL LICENSE(S)/CERTIFICATIONS:**

High school education with additional, formal courses in basic electrical wiring, electronics, operation and repair of electrical systems or a combination of formal education and experience. An Associate's degree in Electricity/Electronics preferred. Possession of an appropriate, valid drivers license. Must have and maintain a Class A commercial driver's license with air brake and tanker endorsements within 12 months of hire. Must maintain an insurable driving record.

Must have the following certifications within 12 months of employment with the City:

- Certification in bucket truck and digger derrick operation.
- International Municipal Signal Association (IMSA) Signs and Markings I
- IMSA Roadway Lighting

### **EXPERIENCE:**

Two years experience in electrical repair of street lights or an equivalent level of experience.

### **SKILLS:**

1. Attention to details
2. Basic math skills
3. Computer software skills in applications such as GBA and Light Finder
4. Working knowledge of public section administration
5. Time management skills
6. Manual dexterity
7. Reading skills
8. Good listening skills
9. Good written and oral communication skills

### **MENTAL REQUIREMENTS:**

1. Ability to read and comprehend city codes and standards
2. Ability to read and understand building plans and specifications
3. Ability to carry out assignments through written and oral instructions
4. Ability to access situation and use judgement in responding
5. Ability to work under distracting conditions
6. Ability to prioritize work
7. Ability to breakdown complex issues or procedures to individual steps
8. Mechanical aptitude
9. Ability to analyze safety situations
10. Concentration
11. Alpha/numeric recognition
12. Ability to meet deadlines
13. Ability to learn and understand PC software applications

### **PHYSICAL REQUIREMENTS:**

1. Ability to make and receive phone calls
2. Ability to enter and exit truck lift box
3. Ability to work in confined area
4. Ability to work at heights up to 50 feet.
5. Hand and eye coordination adequate to input computer
6. Exposure to extreme environmental conditions
7. Exposure to vehicle noise and fumes
8. Exposure to high voltage
9. Exposure to vibrations
10. Excessive standing and walking
11. Ability to operate power and/or hand tools, and heavy power equipment
12. Ability to drive City vehicle
13. Ability to identify and distinguish colors
14. Ability to distinguish smells

**SEE ESSENTIAL FUNCTIONS BELOW FOR ADDITIONAL PHYSICAL REQUIREMENTS**

**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.

**ESSENTIAL FUNCTIONS**

ACTIVITY	DURATION	DESCRIPTION
Standing	Freq. - Const.	even and uneven surfaces
Walking	Freq. - Const.	even and uneven surfaces
Sitting	Freq. - Const.	motor vehicle operation / office environment
Driving	Freq. - Const.	motor vehicle operation
Bending	Freq. - Const.	required to complete requirements
Stooping	Freq. - Const.	required to complete requirements
Twisting	Freq. - Const.	required to complete requirements
Kneeling	Freq. - Const.	required to complete requirements
Squatting	Freq. - Const.	required to complete requirements
Crawling	Occasional	required to complete requirements
Stairs	Occasional	enter / exit vehicle - cab and truck bed
Ladders	Occasional	enter / exit various surfaces on vehicles

LIFTING	WEIGHT	HEIGHT	FREQUENCY	DURATION	DESCRIPTION
Residential light	20 lbs.	floor to overhead	variable	occasional	two hand lift
Cobra	42 lbs.	floor to waist	variable	occasional	two hand lift
Miscellaneous tools	0- 10 lbs.	floor to overhead	variable	frequent	one or two hand lift
Cable spool	110 lbs.	floor to waist	variable	occasional	two hand lift
14 foot pole	50 lbs.	floor to overhead	variable	occasional	two hand lift

*\* This is a list of observed essential functions on one date only that provides a sample range of occupational requirements; there are other items that are required to be lifted as a requirement of this position. Frequencies will be variable and dependent on type of work that is required at given time.*

CARRYING	WEIGHT	DISTANCE	FREQUENCY	DURATION	DESCRIPTION
Residential light	20 lbs.	0- 50 feet	variable	occasional	two hand carry
Cobra	42 lbs.	0- 50 feet	variable	occasional	two hand carry
Miscellaneous tools	0- 10 lbs.	0- 50 feet	variable	occasional	one or two hand carry
Cable spool	110 lbs.	0- 50 feet	variable	occasional	two hand carry
14 foot pole	50 lbs.	0- 50 feet	variable	occasional	two hand carry

*\* This is a list of observed essential functions on one date only that provides a sample range of occupational requirements; there are other items that are required to be lifted as a requirement of this position. Frequencies will be variable and dependent on type of work that is required at given time.*

PUSHING	FORCE	FRQUNCY/DUR	DESCRIPTION
misc. items	10- 30 lbs.	occasional	1 or 2 hands

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PULLING	FORCE	FRQUNCY/DUR	DESCRIPTION
misc. items	10- 30 lbs.	occasional	1 or 2 hands

*\* This is a list of observed essential functions on one date only that provides a sample range of occupational requirements; there are other items that are required to be lifted as a requirement of this position. Frequencies will be variable and dependent on type of work that is required at given time.*

REACHING	DURATION	DESCRIPTION
Below Knee Height	freq. to const.	type of job dependent
Below Waist Height	freq. to const.	type of job dependent
Forward > 2 Feet	freq. to const.	type of job dependent; motor vehicle operation
Above Shoulder Height	freq. to const.	type of job dependent
Lateral Reach	freq. to const.	type of job dependent; motor vehicle operation

*\* Duration is rated on highest observed required level of performance; certain requirements may be at a lesser level.*

FINE MOTOR	DURATION	DESCRIPTION
Gripping	frequent	type of job dependent; motor vehicle operation; 1 hand controls
Pinching	frequent	type of job dependent; motor vehicle operation; 1 hand controls
Wrist Flexion & Extension	frequent	type of job dependent; motor vehicle operation; 1 hand controls
Wrist Lateral Deviations	frequent	type of job dependent; motor vehicle operation; 1 hand controls
Pronation & Supination	frequent	type of job dependent; motor vehicle operation; 1 hand controls

*\* Duration is rated on highest observed required level of performance; certain requirements may be at a lesser level.*

**Proprioception Requirements:** maintenance are required to be able to identify / assemble / disassemble items (nuts, bolts, washers, etc.) with bilateral hands / fingers without having a direct line of site to the item.

**Color Vision** – Required

**Dig / Shovel** – Required