

# City of Fort Worth, Texas

## Job Description

<b>Classification Title</b>	Signal Systems Technician I		
<b>Job Code:</b>	ST5460	<b>Job Family:</b>	Service Trades
<b>Pay Grade:</b>	505	<b>Date Created:</b>	12/31/15
<b>FLSA Status:</b>	Nonexempt	<b>Date Revised:</b>	10/07/23

### GENERAL SUMMARY

Assists in the installation, maintenance and repair of traffic signals systems and street lighting circuits attached to traffic signals by performing unskilled and semi-skilled tasks.

### ESSENTIAL DUTIES & RESPONSIBILITIES

*The intent of this job description is to provide a representative summary of the major duties and responsibilities performed by incumbents of this job. Incumbents may be requested to perform job-related tasks other than those specifically presented in this description.*

1. Assists technicians and crew leaders with materials, equipment and tools in the installation, maintenance and operation of traffic control system hardware, street lighting circuits attached to traffic signals, system communication, system detection and data collection.
2. Assists in providing a safe environment for areas around job site; helps ensure public safety.
3. Maintains assigned vehicle; conducts general maintenance such as cleaning and restocking with supplies.
4. Strings or buries wires and cables related to traffic control systems.
5. Operates equipment related to the performance of job duties.
6. Provides on-call and emergency call back duty.
7. Performs other related duties as required.
8. Adheres to assigned work schedule as outlined in the Department and City attendance policies and procedures; ensures all behaviors comply with the City's Personnel Rules and Regulations.

### KNOWLEDGE, SKILLS & ABILITIES

- **Knowledge of:**
  - Pertinent Federal, State and local laws, codes and regulations.
  - Safety procedures and practices.
  - Electronic systems associated with traffic signal systems.
  - Various electrical wires and circuits associated with traffic signal systems.
  - Methods and techniques for inspecting electronic and electrical circuits.
- **Skill in:**
  - Making observations.

- Communicating with others.
- Operating equipment.
- **Ability to:**
  - Communicate clearly and effectively, both orally and in writing.
  - Test, diagnose and repair electronic and electrical circuitry.
  - Utilize tools of the electrical and electronic trade.
  - Read and interpret simple electrical and electronic schematics and blueprints.
  - Operate computer and software systems.

## **MINIMUM JOB REQUIREMENTS**

High school diploma/GED and one year of experience in electrical construction or electrical maintenance construction.

## **OTHER REQUIREMENTS**

Possession of or ability to obtain IMSA (International Municipal Signal Association) Traffic Signal Technician Level 1 certificate within 12 months of hire date.

## **WORKING CONDITIONS**

*The work environment characteristics described here are representative of those an employee encounters while performing the essential functions of this job. Reasonable accommodations may be made to enable individuals with disabilities to perform the essential functions.*

Depending on assignment, positions in this class typically require touching, talking, hearing, seeing, grasping, standing, stooping, kneeling, crouching, reaching, walking, repetitive motions, climbing, balancing, pushing, pulling and lifting; depending on assignment. Incumbents may be exposed to moving mechanical parts, odors, dusts, poor ventilation, chemicals, oils, extreme temperatures, inadequate lighting and intense noises.

## **PHYSICAL DEMANDS**

*The physical demands described here are representative of those that must be met by an employee to successfully perform the essential functions of this job. Reasonable accommodations may be made to enable individuals with disabilities to perform the essential functions.*

Medium work – Depending on assignment, positions in this class typically exert up to 50 pounds of force occasionally, up to 20 pounds of force frequently, and/or up to 20 pounds of force constantly having to move objects.