CITY OF HOUSTON

JOB DESCRIPTION

Job Code: 522.4

Job Title: **TRAFFIC SIGNAL APPRENTICE**

Pay Grade: 10

GENERAL SUMMARY:

Under close supervision, assists in the installation, operation, maintenance and repair of equipment and components for traffic signal/control systems and communications systems.

RESPONSIBILITIES:

- Assists in installing electrical controls and circuits for traffic signal/control systems.
- Provides maintenance for lighting, signals, school zone flashers, and traffic systems.
- Troubleshoots electrical problems, such as electrical shortages, power losses and switching malfunctions.
- Maintains safe and clean work areas.
- Measures and cuts wire; drills holes; cuts, bends and assembles conduit; pulls wires; splices lower voltage wires; and installs service.

SPECIFICATIONS:

KNOWLEDGE:
Requires a high school diploma or a GED.

EXPERIENCE:
No experience is required.

CERTIFICATION/LICENSE:
Must have a valid Texas driver's license and comply with the City of Houston's policy on driving. May need to obtain a valid Class A or B Commercial Driver's License (CDL) prior to the end of the probationary period.

COMPLEXITY:
Work consists of routine standard procedures and tasks where analytical ability is required to select and execute actions.

IMPACT OF ACTIONS:
Errors in work typically lead to minor inconvenience and costs. Work is typically performed under close to moderate supervision of routine duties to ensure completion of tasks. The supervisor is generally close by to answer questions.

SUPERVISION EXERCISED:

Direct Supervision:
No direct report employees.

Indirect Supervision:
No indirect reports.

SPECIFICATIONS: (continued)

CONTACTS:

Internal Contacts:
Level of internal contact is extremely infrequent with virtually no contact beyond the immediate work unit/area. Interaction involves routine information exchange and/or simple service activity requiring common courtesy; e.g., answering questions, giving directions in response to simple requests.

External Contacts:
Level of external contact is extremely infrequent with virtually no outside contact. Interaction involves routine information exchange and/or simple service activity that requires common courtesy; e.g., directing calls, and answering simple questions.

PHYSICAL EFFORT:
The position involves considerable physical exertion, such as regular climbing of ladders, lifting of heavy objects (up to 80 pounds) on a highly frequent basis and/or assuming awkward positions for long periods of time.

WORK ENVIRONMENT:
There are routine exposures to significant levels of heat, cold, moisture and air pollution. The position may involve periodic exposure to chemical substances and physical trauma of a minor nature such as cuts, bruises and minor burns.

PHYSICAL SKILL:
Requires the ability to make coordinated eye/hand movements within fairly fine tolerance and/or calibration demands; or the ability to make closely coordinated eye/hand movements on a patterned response space within moderate tolerance demands.

MISCELLANEOUS:
All duties and responsibilities may not be included in the above job description.

JOB FAMILY:
Traffic Signal Apprentice
Traffic Signal Technician I
Traffic Signal Technician II
Traffic Signal Technician III
Traffic Signal Supervisor

Effective Date: July 2025