



CITY OF HOUSTON

JOB DESCRIPTION

Job Code: 528.3

Job Title: **IRON WORKER**

Pay Grade: 13

GENERAL SUMMARY:

Fabricates, constructs, and repairs a wide variety of steel structures, equipment, and components.

RESPONSIBILITIES:

- Maintains and fabricates various structures, equipment, and components, i.e., bridges, buildings and automotive.
- Performs routine and complex repairs on pipes, equipment, and meter vaults. Performs all general welding and burning jobs.
- Repairs and installs fences, flex beams and round top posts.
- Reads and interprets blueprints. Assembles structural framework accordingly.
- Monitors and maintains materials and supplies to ensure adequate inventory levels.

SPECIFICATIONS:

KNOWLEDGE:

Requires a high school diploma or a GED.

EXPERIENCE:

Two years of experience in ironwork or structural steel welding are required.

Substitutions for the above experience requirement are a Welding Certificate of Achievement from an accredited vocational facility; an Associate's of Science in Welding from an accredited college or university or a Bachelor's of Science in Welding Engineering degree from an accredited college or university.

COMPLEXITY:

Work consists of fairly standard procedures and tasks where basic analytic ability is required, as in the comparison of numbers and simple facts in selecting the correct action.

IMPACT OF ACTIONS:

Errors in work cause some expense and inconvenience. 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:

May involve general scheduling and review of work as a "working supervisor" or lead person.

Indirect Supervision:

No indirect reports.

SPECIFICATIONS: (continued)

CONTACTS:

Internal Contacts:

Level of internal contact is primarily with the clerical and technical staffs. 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 infrequent with occasional contacts with lower-level service representatives and/or vendors. 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 frequent exposures to extreme levels of temperature, air pollution, noise pollution, chemical gases and substances, and/or contagious diseases or physical trauma conditions of a short-term disabling nature, such as broken bones or temporary loss of sight or hearing.

PHYSICAL SKILL:

Requires the ability to make closely coordinated eye/hand movements within very fine tolerance and/or calibration demands; or the ability to make rapid closely coordinated eye/hand movements on a patterned response space within somewhat fine tolerance demands; or the ability to make coordinated eye/hand movements within fine tolerances with large equipment as an extension of the worker.

MISCELLANEOUS:

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

JOB FAMILY:

Iron Worker

Effective: October 1990

Revised: June 2021