



## **CITY OF CALEXICO**

**CLASS TITLE: WELDER**

**MONTHLY: \$4,115 - \$5,002**

**RANGE: G-27**

### **BASIC FUNCTION:**

Under the direction of the Supervisor-Vehicle & Equipment Maintenance, perform journey-level welding work in the repair, alteration, fabrication, installation and maintenance of City vehicles, facilities and equipment.

### **REPRESENTATIVE DUTIES:**

#### **ESSENTIAL DUTIES:**

Perform journey-level welding work in the repair, alteration, fabrication, installation and maintenance of City vehicles, facilities and equipment; assure compliance with established safety guidelines and regulations.

Rebuild, repair and fabricate automotive and heavy equipment; modify metal parts; select proper welding heat and size and type of electrodes; mix gases to the prescribed color; match rods, temperature and materials to obtain maximum quality weld.

Perform brazing, hard facing, cutting, soldering and welding of various structures, tools, parts, machinery, tractors, trailers, automotive equipment and other metal items.

Repair worn or damaged fabricated, machined, cast, forged or welded parts; perform skilled work using electric arc, helium and oxygen-acetylene welding equipment; operate a variety of maintenance and construction tools and equipment; drive a vehicle to conduct work.

Lay out, mark and weld pipes, fittings and metal fixtures for facilities, equipment and furniture; form and fabricate metal parts to meet special purpose needs.

Estimate labor, material and equipment needed for assigned projects; monitor inventory levels of materials and equipment; order, receive and maintain inventory of materials and equipment as needed.

Plan, organize and lay out assigned tasks; work from verbal and written instructions, blueprints, sketches, manuals and work orders; prepare rough sketches and working drawings as needed.

Communicate with personnel and various outside agencies to exchange information and resolve issues or concerns.

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Maintain various records related to work orders and assigned activities.

Maintain shop and work areas in a safe, clean and orderly condition.

**OTHER DUTIES:**

Perform related duties as assigned.

**KNOWLEDGE AND ABILITIES:**

**KNOWLEDGE OF:**

Materials, tools and procedures used in performing skilled journey-level maintenance welding, soldering and metal fabrication.

Electric arc, helium and oxygen-acetylene welding equipment.

Types and working properties of metals.

Operation and maintenance of tools and equipment used in the welding trade.

Technical aspects of field of specialty.

Shop math applicable to welding.

Appropriate safety precautions and procedures.

Basic record-keeping techniques.

Oral and written communication skills.

**ABILITY TO:**

Perform journey-level welding work in the repair, alteration, fabrication, installation and maintenance of City vehicles, facilities and equipment.

Operate oxyacetylene, electric arc and other required welding equipment.

Perform brazing, hard facing, cutting, soldering and welding of various structures, tools, parts, machinery, tractors, trailers, automotive equipment and other metal items.

Work from sketches, plans and diagrams.

Observe health and safety regulations and procedures.

Communicate effectively both orally and in writing.

Estimate material and supply needs.

Work cooperatively with others.

Meet schedules and timelines.

Understand and follow oral and written instructions.

Work independently with little direction.

Maintain various records related to work performed.

**EDUCATION AND EXPERIENCE:**

Any combination equivalent to graduation from high school supplemented by completion of an approved apprenticeship program in the welding trade and two years journey-level welding experience.

**LICENSES AND OTHER REQUIREMENTS:**

Valid California driver's license.

**WORKING CONDITIONS:**

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**ENVIRONMENT:**

Indoor and outdoor work environment.  
Driving a vehicle to conduct work.  
Noise from equipment operation.  
Regular exposure to fumes, dust and odors.

**PHYSICAL DEMANDS:**

Dexterity of hands and fingers to operate welding tools and equipment.  
Standing for extended periods of time.  
Lifting, carrying, pushing or pulling heavy objects as assigned by position.  
Reaching overhead, above the shoulders and horizontally.  
Bending at the waist, kneeling or crouching.  
Seeing to perform welding duties.  
Climbing ladders.

**HAZARDS:**

Working around and with machinery having moving parts.  
Working at heights.  
Sparks, hot ashes and hot metals from welding and fabrication.