

## ORANGE COUNTY CLASS SPECIFICATION

**TITLE:** WELDER **GRADE:** 10

**TITLE ABBREVIATION:** WELDER **TITLE NO.:** 6793

**JURIS.CL:** NC **SALARY CODE:** 01 **UNIT:**    **EEO CODE:** SC **FLSA CODE:** NE

**DEPARTMENT:** PUBLIC WORKS **DIVISION:** GARAGE

**SUPERVISOR'S TITLE:** VARIOUS

**DISTINGUISHING FEATURES OF THE CLASS:** This work involves the performance of skilled work in the fabrication of a variety of metals and alloys in the construction and repair of facilities, infrastructures and equipment by using electric arc, gas welding or brazing and/or equipment. Work is performed under the general supervision of a designated supervisor with latitude for independent judgment in carrying out the details of the work. Does related work as required.

**TYPICAL WORK ACTIVITIES:**

1. Adjusts welding unit to desired amperage, gas pressure, oxygen or acetylene fuel level to regulate pressure and fuel mixture to obtain desired color and size of flame, depending on the method used, i.e., arc welding, gas welding or brazing;
2. Performs off-site welding with truck mounted and/or other portable mobile welding unit, i.e., construction projects, building fabrications/renovations, roadside equipment breakdowns, etc.;
3. Selects electrodes based on work piece composite;
4. Performs tasks that unite/bond components to assemble metal parts, fabricating and/or repairing structures and equipment;
5. Uses appropriate tools and methods to clean, position, and cut metal plates or structured shapes;
6. Inspects seams and joints for defects, reworking as needed;
7. Adheres to OSHA safety precautions.
8. Performs mechanical repairs to mechanized and/or other equipment;

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9. May participate in other welding related or nonrelated activities including, but not limited, to garage operations, building/highway construction/maintenance, and/or other activities as assigned.

**FULL PERFORMANCE KNOWLEDGES, SKILLS, ABILITIES AND PERSONAL**

**CHARACTERISTICS:** Thorough knowledge of methods, materials, and equipment used in welding work; thorough knowledge of the properties of typical metals used in welding, such as steel, iron, brass, and aluminum inclusive of various alloys used; thorough knowledge of the occupational hazards and safety precautions of the welding trade; skill in fabricating metals and alloys in the construction and repair of structures and equipment; skill in the use of tools and materials used in the welding trade; ability to read and understand sketches, diagrams, and blueprints; ability to follow oral and written instructions pertaining to welding work; physical condition commensurate with the demands of the position.

**MINIMUM QUALIFICATIONS:**

- (A) Graduation from high school or possession of a high school equivalency diploma and possession of a certificate of completion from a college, vocational/technical school program, or authorized authority to issue certification, in welding or closely related area and three (3) years of full time welding experience; OR
- (B) Graduation from high school or possession of a high school equivalency diploma and four (4) years of full time welding experience; OR
- (C) Eight (8) years of full time welding experience.

**SPECIAL REQUIREMENT:** Must possess at time of appointment and maintain a valid driver's license.

**REVISED: 03/17/17**