

**CITY OF SONORA  
JOB DESCRIPTION  
AMENDED 06-20-2005**

*(Retitled & Amended Firefighter JD/Originally Approved 03-17-2003)*



# **FIRE ENGINEER**

## **DEFINITION**

Under general direction from the Fire Chief or Fire Captain, performs fire fighting, emergency medical care, participates in public education activities and/or fire prevention activities, responds to public service incidents, cares for station, fire apparatus and related fire equipment, participates in training activities and performs other related duties as assigned.

## **DISTINGUISHING CHARACTERISTICS**

This classification is distinguished from Volunteer Fire Engineer in that tasks include giving directions, performing more complex assignments, being a State of California certified FireFighter I and possessing EMT-I certification. This classification must also have a minimum of two years of current full time/paid municipal fire fighting experience with an organized fire agency or four years of current volunteer fire fighting experience with the City of Sonora and successfully complete competitive testing procedures to qualify for status within this classification. Current experience is usually interpreted to mean full time experience obtained within the last two years or volunteer experience obtained within the last four years.

## **ESSENTIAL JOB FUNCTIONS**

Duties may include, but are not limited to, the following:

- ▶ Responds to fire and other emergency alarms.
- ▶ Operates fire equipment and assists in the suppression of fire.
- ▶ Assists with fire prevention activities.
- ▶ Administers emergency medical care and rescue.
- ▶ Tests and maintains fire equipment.
- ▶ Maintains fire station and grounds.
- ▶ Answers telephone and radio equipment as needed.
- ▶ Participates in related training programs and drills.
- ▶ May act as Fire Captain on a temporary basis.
- ▶ Learns and performs related duties as assigned.

## **QUALIFICATIONS**

### **Knowledge of:**

- ▶ Principles, practices and techniques of fire suppression and prevention activities.
- ▶ Principles, practices and skills of emergency medical care, including Cardio Pulmonary Resuscitation (CPR) and Automatic External Defibrillation (AED).
- ▶ Basic fire hydraulics and math.
- ▶ Basic principles of mechanics.
- ▶ Basic principles of Incident Command System.
- ▶ Knowledge of streets and hydrants within the City's automatic mutual aid area.

**Ability to:**

Read, understand and apply a variety of fire suppression, prevention information and materials; perform a variety of physical and mechanical operations; reason and act decisively, quickly and calmly in emergency situations; evaluate complex emergency situations when not directly supervised; perform prolonged arduous work under adverse and often dangerous conditions; learn a wide variety of fire fighting duties and methods and the use of fire fighting equipment within a reasonable period of time; provide proper emergency medical care, including CPR and AED, and be able to utilize rescue equipment available at scene; understand and follow oral and written instructions; perform routine maintenance chores at the fire station; establish and maintain routine records; establish and maintain effective working relationships with co-workers and the public; must demonstrate physical strength and agility sufficient to perform the work.

**Experience and Training:**

Sufficient training and experience which demonstrates the possession of the knowledge and abilities required to perform the essential job functions.

*Experience note:* It is anticipated that the education and experience shown below will meet the minimum requirements for the classification of Fire Engineer.

- ▶ Graduation from high school or passage of the high school level General Education Development (GED) Test.
- ▶ Must also have a minimum of two years of current full time/paid municipal fire fighting experience with an organized fire agency or four years of current volunteer fire fighting experience with the City of Sonora. Current experience is usually interpreted to mean full time experience obtained within the last two years or volunteer experience obtained within the last four years.

**Preferred Education and Experience:**

- ▶ Certified by the State of California as a Fire Officer I.
- ▶ Certification by the State of California as a Driver/Operator.

**License or Certificate:**

- ▶ At date of appointment, must possess a valid California Class B Drivers' License, including an air brake endorsement and have a responsible driving record.
- ▶ Must be certified by the State of California as a Firefighter I.
- ▶ Must be currently certified as EMT-I (*EMT-I certification must meet the requirements of Title 22, California Code of Regulations*).

**WORKING CONDITIONS**

A person in this position must be free from any physical, emotional or mental condition which might adversely affect the ability to perform the essential job functions. Physical condition shall be evaluated by a licensed physician prior to assuming the position.

Work as needed, with little or no advance notice; work during emergency events in adverse environments; work in intense life-threatening conditions; work in inclement weather conditions; be subjected to exposure of hazardous materials, dangerous persons, bodily fluids and noise; running, walking, crawling, climbing, stooping, twisting, bending, lifting and sitting for long periods of time. Work in an office environment; sustained posture in a seated position for prolonged periods of time.