



CITY OF LEMON GROVE

Class Title: **Fire Engineer**
Department: **Fire Department**

GENERAL PURPOSE

Under general supervision, respond to fire alarms, emergency medical calls, and other emergency calls to protect life and property; participate in fire training, fire prevention, public education, station and equipment maintenance activities; drive, operate and maintain a variety of fire apparatus and fire fighting equipment; assist in the coordination and training of fire personnel; perform inspections for fire safety in businesses; provide professional administrative and operational support to the fire captain and assume command in the absence of fire captain; may perform the duties of a higher classification when assigned and may perform the duties of firefighter when directed at an emergency; and perform related duties as required.

ESSENTIAL DUTIES AND RESPONSIBILITIES

Routine Duties

- Respond to alarms involving fires, all types of accidents, gas leaks, flooded structures, hazardous materials, hazmat rescue, extrication, water rescue, and life saving rescue work;
- Accountable for the operation of fire apparatus and equipment and its operational readiness; drive fire apparatus to and from incidents, training, inspections, and other non-emergency activities; position equipment as directed and regulate water pressure in accordance with principals of hydraulics; operate pneumatic and auxiliary equipment such as generators and pumps; place fire hoses, make connections to hydrants, set ladders, operate fire streams, ventilate and enter burning structures to extinguish fires using various forcible entry tools and perform rescue services; operate fire extinguishers and use other fire control and extinguishment equipment;
- Perform first aid and life saving duties; provide immediate basic life support to persons injured in automobile accidents, fires, and industrial accidents, and victims of sudden illness such as heart attack, drowning, and similar emergencies;
- Stand fire watches; respond to and suppress brush fires; perform fire prevention and inspections in commercial, industrial and municipal facilities; perform salvage and overhaul operations during and after fires to remove hazards and prevent water damage; inspect and perform maintenance on hydrants;
- Perform decontamination procedures in compliance with CalOSHA regulations;
- Wash, polish, and perform preventive maintenance and minor repairs on fire apparatus and equipment; clean and maintain fire station and grounds; perform routine housekeeping chores;
- Engage in drills and participate in self-directed exercise program to maintain physical fitness;
- Operate radio equipment in an efficient manner; utilize computers and applicable software; conduct research and prepare and maintain a variety of records and reports such as controlled drug inventory, equipment and station logs, EMS reports; assist in the department's records management system to ensure dependable reference and historical documentation of the

department's operation; prepare operation reports including maintenance of apparatus; and

- Work 24-hour shifts and overtime; in the event of a major fire or emergency, may be called in from off duty to work an extended period of time; and on a limited basis serve as a fire captain as assigned for emergency relief, if properly certified.

EDUCATION AND EXPERIENCE

Any combination of education, training and experience that clearly demonstrates possession of the knowledge and abilities needed to perform the typical duties listed above. A typical way to obtain the knowledge and abilities would be:

- Must be a high school graduate or equivalent. Must have successfully completed Driver Operator 1A and Driver Operator 1B courses;
- Three years of full-time experience in fire suppression in an organized fire department; and
- Must be a California State Certified Firefighter I and II or equivalent - equivalency will be determined by the City of Lemon Grove Fire Department.

LICENSE AND CERTIFICATION

Licensure and certifications must be maintained as a condition of continued employment.

- Possession of a valid Class B California Driver's License or valid Class C California Driver's License with Firefighter Endorsement;
- Possession of Emergency Medical Technician Certification, Defibrillation and Combitube Certificate; and basic CPR Certificate; and
- Certified to operate all department apparatus at time of application.

KNOWLEDGE, SKILLS, AND ABILITIES

Knowledge of:

- Firefighting and EMS procedures and equipment;
- Hazardous materials, fire prevention procedures, and related codes;
- California vehicular laws related to operation of various firefighting and rescue apparatus;
- Principles, practices, and procedures of modern firefighting, and protection of life and property;
- State and local fire codes;
- Principles of customer service;
- Principles of mechanics, hydraulics, and mathematics; and
- Computers and applicable software applications that assist in the accomplishment of assigned tasks.

Ability to:

- Operate and maintain heavy motorized fire equipment and apparatus at maximum operating efficiency consistent with safety and mechanical limitations;
- Complete assigned tasks in accordance with established schedules and quality standards;
- Perform competently under pressure and in stressful situations;
- Make accurate observations and rapid judgments;
- Prepare clear, concise, accurate written reports;
- Work cooperatively with others and contribute to a successful team effort;
- Maintain physical endurance and agility to perform strenuous physical activity;

- Learn and utilize appropriate radio protocol with other fire and emergency medical services personnel;
- Follow direction from supervisors and give direction to subordinates;
- Effectively communicate orally and in writing;
- Demonstrate an awareness and appreciation of the cultural diversity of the community and deal tactfully and effectively with the general public; and
- Establish and maintain effective working relationships with City personnel, other fire agencies, outside agencies, and the general public.

PHYSICAL DEMANDS AND WORK ENVIRONMENT

Employees may be exposed to physical and emotional hazards associated with firefighting, emergency medical response and rescue. Employees must possess the physical, mental and emotional ability to perform the duties of the position. The conditions herein are representative of those that must be met by an employee to successfully perform the essential functions of this job. Reasonable accommodations may be made to enable individuals with disabilities to perform the essential job functions.

Physical Demands: **Frequent** walking, standing, sitting, twisting at waist, upward and downward flexion of neck, side-to-side turning of neck; transporting objects weighing up to 10 lbs. distances up to one city block; grasp ranging from light to power to hold radios, equipment, property and persons; fine finger dexterity to manipulate apparatus controls, computer keyboard, writing utensils; wrist and arm movement to manipulate equipment. **Occasional** bending and stooping, squatting, climbing, reaching at and above shoulder height, kneeling, pushing/pulling, running; lifting objects weighing up to 25 lbs. from below waist to above shoulder level and transporting distances up to one city block; lifting objects weighing 26-50 lbs. below waist level; transporting objects weighing 11-100 lbs. distances up to 100 feet, with or without assistance; transporting objects weighing over 100 lbs. distances up to 50 feet, with or without assistance. **Infrequent** crawling, balancing above ground; lifting objects weighing 26 to over 100 lbs. from below waist to above shoulder level, with or without assistance. **Vision** must be no less than 20/40 uncorrected and correctable to 20/20 to observe situations and use equipment and computer. **Hearing** in normal range with or without correction to hear instructions, radio messages, and emergency tones, alarms and other warning devices. **Speaking** to give oral instructions and to respond to citizens and emergency situations. **Writing** to complete required incident reports and records. **Reading** of manuals, maps, reports, and training materials.

Environmental: Exposure to extreme heat, cold, humidity, and temperature swings working indoors and outdoors; extreme noise of emergency equipment; mechanical and electrical hazards of burning equipment, facilities and materials; explosive hazards of gases and explosive devices; radiation hazards of locations having exposure to radioactive materials; fumes, odors and dust of atmosphere at fires and other emergency sites; biological hazards of bodily fluids, airborne and blood-borne pathogens; toxic substances of burning materials. Work is performed in 24-hour shifts, with time allowed for meals, breaks and sleeping subject to interruption as required by emergency situations. In the event of a major fire or emergency situation, incumbents may be called in from off-duty to work an extended period of time. Work is performed at the fire station and in the field at emergency sites and other locations. Work setting is both formal and informal, team oriented, having both routine and variable tasks. Work pace and pressure is variable, frequently fast-paced and high pressure.

GUIDELINES

The duties listed above are intended only as illustrations of the various types of work that may be performed. The list may not include all required duties. The omission of specific duties does not exclude them from the position if the work is similar, related, or a logical assignment to the position.

The job description does not constitute an employment agreement between the employer and employee and is subject to change by the employer as the needs of the employer and requirements of the job change.

Approved by Council: April 6, 2004